

प्रगति प्रतिवेदन: Progress Report

Volume 1: Varietal Improvement

अखिल भारतीय समन्वित अनुसंधान परियोजना: चावल

All India Coordinated Research Project on Rice (AICRPR)



2025



भाकृअनुप-भारतीय चावल अनुसंधान संस्थान

भारतीय कृषि अनुसंधान परिषद

ICAR-Indian Institute of Rice Research

Indian Council of Agricultural Research
Rajendranagar, Hyderabad - 500 030

PROGRESS REPORT 2025

Vol.1

VARIETAL IMPROVEMENT

All India Coordinated Research Project on Rice

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PREFACE

The ICAR–Indian Institute of Rice Research (ICAR-IIRR) is a premier rice institute in the country. Through the ***All India Coordinated Research Project on Rice (AICRPR)***, ICAR-IIRR coordinates multi-disciplinary and multi-location testing of varietal improvement, crop protection, and crop management technologies across diverse ecosystems to enhance and stabilize rice production in India.

ICAR-IIRR, ICAR-CRRI, and ICAR-IARI, as nodal agencies, facilitate collective planning, supply, and exchange of improved germplasm and experimental material for evaluation, trial monitoring, data collection, compilation, analysis, and documentation. These institutes have also monitored the conduct of trials at several funded and voluntary centres within their respective ecologies through field visits. More than 300 scientists across 41 funded cooperating research centres and about 74 voluntary centres—affiliated with State Agricultural Universities, State Departments of Agriculture, ICAR institutes, and private sector organizations—have carried out planned activities in the disciplines of Breeding, Entomology, Pathology, Agronomy, Soil Science, and Plant Physiology.

The results of 33 breeding trials and 4 hybrid trials conducted under irrigated, rainfed, and basmati ecosystems across the country during Kharif 2025 are presented in this volume. Developing varieties and hybrids with tolerance to biotic and abiotic stresses, along with desirable grain quality suitable for diverse ecologies, remains a challenging task for rice breeders, requiring sustained and dedicated efforts.

Focused initiatives are underway to usher in a green revolution in eastern India by testing and validating suitable varietal technologies for fragile ecosystems such as rainfed uplands, lowlands, and semi-deep and deep-water ecologies. Efforts are also directed towards developing varieties tolerant to soil stresses and cold conditions in high-altitude regions under both upland and irrigated ecosystems. Conventional and molecular breeding approaches are being employed to overcome the stagnation in yield levels in irrigated ecosystems, which contribute more than 60% of the total rice production.

Simultaneously, efforts are ongoing to develop rice hybrids with higher heterosis across different duration groups, including medium slender grain-type hybrids to meet the preferences of farmers and consumers in southern India. Another priority area is the development of export-quality basmati and indigenous short-grain aromatic varieties with essential quality traits catering to both domestic and international markets.

Near-Isogenic Lines (NILs) with resistance to major biotic stresses (blast, bacterial blight, and gall midge) and abiotic stresses (drought and submergence) are under evaluation. While emphasis on boro rice improvement continues, efforts are also being made to identify suitable varieties for emerging challenges such as water scarcity through aerobic trials. Additionally, pilot trials have been initiated on Direct Seeded Rice (DSR), short slender grain types along with MS trials, and Nutrient Use Efficiency (NUE), focusing on nitrogen and phosphorus. Breeder seed production of 546 rice varieties was organized across 41 locations as per DAC indents.

The strong partnership of the AICRPR network with IRRI, Philippines and other International partners, continues to provide access to elite global rice germplasm through the exchange of breeding lines. With delayed monsoon becoming increasingly frequent due to climate change, efforts are also being directed towards identifying early-maturing varieties suitable for late-sown, direct-seeded conditions.

I sincerely appreciate the efforts of the Principal Investigator, scientists, and the technical, administrative, project, and field staff of the Crop Improvement team at this Institute, along with all cooperating scientists from both funded and voluntary centres, for bringing out this volume



(R M Sundaram)

Director

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SUMMARY

ICAR-Indian Institute of Rice Research (ICAR-IIRR) conducts and coordinates multidisciplinary and multi-location evaluation of elite cultures, crop management and crop protection technologies in different agro-climatic zones of the country under All India Coordinated Rice Improvement Project (AICRPR) to enhance rice production. A total of 37 trials (33 varietal trials and 4 hybrid rice trials) were conducted in 1055 experiments (939 varietal and 116 hybrid rice) at 115 locations (41 funded, 74 voluntary centres) in 28 states and 5 union Territories across seven zones of the country during 2025 which is the 61th year of AICRPR testing. Hybrid rice experiments were also conducted by 20 private seed companies. The 37 trials were constituted with 1222 entries (1153 varietal and 69 hybrid rice) including 166 checks. The overall data receipt was 91% of which 95% and 87% data was received from funded and voluntary centres respectively.

The MAS products with introgressed genes/QTLs conferring tolerance/ resistance to drought, submergence, salinity, BLB and blast are verified and validated in trials on Near Isogenic Lines. Improvement in grain quality along with high yield potential was focussed in Basmati and Aromatic Grain Type trials. Alkaline and inland saline as well as coastal saline tolerant variety trials are evaluated to identify the stress tolerant elite cultures. In view of the growing water scarcity, Aerobic trials were constituted to identify appropriate genotypes for aerobic method of rice cultivation. Separate NPT trial was conducted to evaluate the yield performance of entries derived from *indica*/tropical *japonica* crosses with ideal plant type traits including strong culm, more grain number with low unproductive tillers. The genetic improvement of rice genotypes with tolerance to low phosphorus and nitrogen was addressed to minimize usage of nitrogenous and phosphatic fertilizers thereby reducing cost of rice production.

LIST OF COORDINATED TRIALS, KHARIF 2025

Varietal Trials				Hybrid Trials
Ecosystem	AVT 2	AVT 1	IVT	IHRT
Rainfed Upland- DS	AVT 2&1-E DS		IVT-E-DS	
Rainfed shallow lowland	AVT 2&1-RSL		IVT-RSL	
Semi-deep water			IVT-SDW	
Deep water			IVT-DW	
Rainfed Direct Seeded Medium		(AVT 1 & IVT-R-DS-M)		
Direct Seeded Rainfed Late		AVT 1 & IVT-R-DS-L		
Near Isogenic lines- Drought		AVT-1 NIL-DRT		
Near Isogenic lines- Submergence		AVT-1 NIL-Sub		
Early – TP (Rabi)			IVT-E-TP	IHRT-E
Early-TP	AVT 2&1-ETP		IVT-ETP	
Mid Early	AVT 2&1-IME		IVT-IME	IHRT-ME
Medium	AVT 2&1-IM		IVT-IM	IHRT-M
Late	AVT 2 & 1-Late		IVT-Late	
Boro			IVT-BORO	
Basmati		AVT 1 & IVT-BT		
Aromatic grain type		AVT 1 & IVT-AGT		
Saline alkaline	AVT 2&1-AL & ISTVT		IVT-AL & ISTVT	
Costal Saline				
Hills	AVT 2&1 and IVT-E(H)			
	AVT 2&1 and IVT -M (H)			
			IVT- U(H)	
Japonica	AVT2&1 and IVT -J			
Aerobic	AVT 2&1-Aerobic		IVT-Aerobic	
Medium Slender Grain	AVT 2&1-MS		IVT-MS	IHRT-MS
Bio-fortification	AVT 2&1-Biofort		IVT-BIOFORT	
Near Isogenic Lines (CS)	AVT 2&1-NIL			
Low Phosphorus Tolerance	AVT 2&1LPT		IVT-LPT	
Low Nitrogen Tolerance	AVT 2&1-LNT		IVT-LNT	
Colured Rice		AVT 1& IVT -CR		
DSR		AVT 1-DSR	IVT DSR	

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Particulars of Zones, States and test Locations

Region / State	Locations	
	Funded	Voluntary
ZONE I – HILLY AREAS		
North Western Hills		
Jammu & Kashmir	Khudwani (1)	Rajouri, Wadura, Pombay (3)
	Malan (1)	Palampur, Dhaulakhan, Sundernagar, Bajaura (4)
Uttarakhand		Almora, Bageshwar, (2)
North Eastern Hills		
Manipur	Wangbal (1)	Imphal-CAU (1)
Nagaland	Kohima (1)	
Sikkim		Gangtok (1)
Meghalaya	Upper Shillong (1)	ICAR-Umiam, CAU-Umiam (2)
West Bengal		Kalimpong (1)
Southern Hills		
Karnataka	Ponnampet (1)	Sirsi (1)
ZONE II – NORTHERN		
New Delhi		IARI- New Delhi (1)
Uttarakhand	Pantnagar (1)	
Punjab	Ludhiana (1)	Gurdaspur, Kapurthala, Rauni (3)
Haryana	Kaul (1)	Karnal (CSSRI), Palwal, Jind, Anjanitel, Kurukshetra, Panipat (6)
Uttar Pradesh	Nagina, Kanpur (2)	
Jammu & Kashmir	Chatha (R.S. Pura) (1)	
Rajasthan	Kota (1)	Banswara (1)
ZONE III – EASTERN		
Orissa	Jeypore, Chiplima (2)	Bhubaneswar, NRRI (Cuttack), Ranital (3)
Bihar	Bikramganj (Patna), Pusa (2)	Patna- ICAR, Sabour(2)
Jharkhand	Ranchi (1)	Hazaribagh (1)
West Bengal	Bankura, Chinsurah (2)	Canning, Pundibari, Chakdha, Hathwara (4)
Uttar Pradesh	Masodha ,Ghaghrahat, Varanasi (3)	Lucknow, BEDF-Modipuram, Gautam Budha Nagar, SVPUAT, Meerut (4)
ZONE IV – NORTH EASTERN		
Assam	Titabar (1)	Gerua, Karimganj, Shillongani (3)
Manipur	Wangbal (1)	Lamphalpat, (1)
Tripura	Arundhutinagar (1)	Lembucherra (1)
ZONE V – CENTRAL		
Madhya Pradesh	Rewa (1)	Waraseoni, Jabalpur (2)
Chhattisgarh	Raipur, Jagadalpur (2)	Bilaspur, Ambikapur (2)
Maharashtra	Sakoli (1)	Sindewahi (1)
ZONE VI - WESTERN		
Maharashtra	Karjat, Tuljapur (2)	Panvel, Radhanagari, Shirgaon, Phondaghat, Vadagaon, Parbhani, Palghar (7),
Gujarat	Nawagam, Navsari (2)	Derol, Vyra, Danti, Dabhoi, (4)
Goa		Goa (1)
ZONE VII - SOUTHERN		
Andaman & Nicobar		Port Blair (1)
Andhra Pradesh	Maruteru (1)	Ragolu, Bapatla, Machilipatnam, Nellore, (4)
Telangana	Rajendranagar, Warangal (2)	IIRR, Jagtial, Kunaram, Rudrur, Kampasagar (5)
Tamil Nadu	Aduthurai, Coimbatore (2)	Trichy, Annamalaiagar, Tirur, (3)
Kerala	Moncompu, Pattambi (2)	Vyttila (1)
Karnataka	Mandya, Mugad, Ponnampet, Brahmavar, Gangavati (5)	Sirsi, Malagi, Kumta (3)
Puducherry	Kurumbapet (1)	Karaikal (1)
Total locations	45	79

Summary of the Co-ordinated Trials (Irrigated) – Kharif 2025

A total of 37 trials (33 varietal trials and 4 hybrid rice trials) were conducted in 1055 experiments (939 varietal and 116 hybrid rice) at 115 locations (41 funded, 74 voluntary centres) in 28 states and 5 union Territories. The 37 trials were constituted with 1222 entries (1153 varietal and 69 hybrid rice) including 166 checks. As a whole, 36 entries after three years of testing were found promising in terms of grain yield and quality parameters, 57 were promoted to final year of testing (AVT-2) and 214 entries were promoted for second year of testing (AVT-1).

1 ADVANCE VARIETY TRIAL 2&1 Early Transplanted (AVT 2&1 - E TP)

Locations: 47

Test entries: 23

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern) Luit (North Eastern), Sahbhagi Dhan (Central & Western), MTU 1153 (Southern)- Zonal; US 314 (Hybrid) and local check

List of the entries performed superior in AVT2-ETP:

IET 31436 (H) -VNR-234/Hybrid: Found promising for Z II and III, but recorded high AC (28.39%) & Low GC (22), which are not in acceptable range.

IET 30637 - CR4075-1341-3-3-2-2-1-4-3 (Jaya/PKV HMT): Found promising for Z IV and also recorded acceptable grain quality parameters.

List of the entries promoted from AVT 1 – ETP to AVT 2 – ETP

Zone II: IET 32387

Zone III: IET 32427, IET 32402, IET 32396

Zone IV: IET 32402

Zone V: IET 32387, IET 32402, IET 32396

Zone VI: IET 32402

Zone VII: IET 32395, IET 32396

2 INITIAL VARIETY TRIAL – Early Transplanted (IVT ETP)

Locations: 49

Test entries: 61

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern) Luit (North Eastern), Sahbhagi dhan (Central & Western), MTU 1153 (Southern)- Zonal; and local check

List of the entries promoted from IVT-ETP to AVT1-ETP

Zone II: IETs 33384, 33387, 33393

Zone III: IETs 33383, 33385, 33386, 33387, 33393, 33394, 33400, 33404, 33405, 33412, 33428, 33431, 33439

Zone IV: None

Zone V: IETs 33385, 33412, 33439

Zone VI: None

Zone VII: None

3 ADVANCE VARIETY TRIAL 2 &1 Irrigated Medium Early (AVT 2&1 - IME)

Locations: 48

Test entries: 28

Checks: Gontra Bidhan-3 (National); PR 113-(Northern), Lalat (Eastern and North Eastern), Karjat 7 (Western), MTU 1010 (Central and Southern)-Zonal; US 312-Hybrid and Local Check

List of the entries performed superior in AVT2-IME:

IET 31448 (Hybrid) HRI-217: Promising for Zones II, IV, & VI

IET 31603 (YNP- 7258) YNP 85/YNP 27 : Promising for Zones II, III, V & VI

IET 30713 (CR 4077-1357-5-4-2-1-1) PKV HMT /Vandana: Promising for Zone III only

IET 31452 (Hybrid) RRX-3341: Promising for Zones III & V

IET 31466 (AGRH-01): Promising for Zone III

IET 31608 (CR4396-291-2-6): Promising for Zone IV

Entries promoted to third year of testing (from AVT1-IME to AVT2-IME):

Zone II:	IET 33046
Zone III:	IETs 32443, 32447, 32448, 32460 and 32465
Zone IV:	IET 33046
Zone V:	IET 33046, 32465, 33020
Zone VI	IET 32465
Zone VII	IET 32465, 33046

4 INITIAL VARIETY TRIAL- Irrigated Medium Early (IVT-IME)- Kharif 2025

Locations: 49

Test entries: 61

Checks: Gontra Bidhan-3 (National); PR 113-(Northern), Lalat (Eastern and North Eastern), Karjat 7 (Western), MTU 1010 (Central and Southern)-Zonal and Local Check

List of the entries promoted from IVT (IME) to AVT1 (IME): 12

Zone II	: IETs 33440, 33461, 33468 and 33478
Zone III	: IETs 33445, 33453, 33460, 33461, 33468, 33472, 33476, 33490 and 33496
Zone IV	: IET 30692
Zone V	: None
Zone VI	: None
Zone VII	: IETs 33457 and 33476

Note: IET 30692 was not included for testing in zone IV during kharif 2025, hence will be included for testing Zone –IV in AVT-1 in kharif 2026

5 ADVANCED VARIETY TRIAL- Irrigated Medium (AVT – IM) - Kharif 2025

Locations: 47

Test entries: 47 (43+4)

Checks: National check– NDR 359; Zonal checks-PR 121 (Northern), CR Dhan 300(Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern), Hybrid check- HRI 174 and Local check

List of entries performed superior in AVT 2 - IM based on yield

Zone II: None

Zone III: IET 31480, IET 31633, IET 31638, IET 31643

Zone IV: IET 29877, IET 31480, IET 31618, IET 31638

Zone V: IET 29860, IET 29877, IET 31480, IET 31618, IET 31638, IET 31641, IET 31659

Zone VI: IET 31480

Zone VII: IET 31638

List of entries promoted from AVT 1 (IM)- IM to AVT-2 (IM)

Zone II: IET 32530

Zone III: IET 32526, IET 32530, IET 33071

Zone IV: None of the entries are promoted

Zone V: IET 32530, IET 33052, IET 33055

Zone VI: IET 32530, IET 33052

Zone VII: IET 32530

6 INITIAL VARIETY TRIAL- Irrigated Medium (IVT-IM)- Kharif 2025

Locations: 49

Test entries: 61

Checks: NDR-359 (National); PR 121 (Northern), CR Dhan 300(Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern), Zonal check and Local check

List of the entries promoted from IVT (IM) to AVT1 (IM)

Zone II: None of the entries promoted

Zone III: IET 33503, IET 33507, IET 33518, IET 33519, IET 33528 , IET 33529, IET 33534, IET 33547, IET 33548, IET 33549, IET 33550

Zone IV: IET 33505, IET 33511, IET 33537, IET 33539, IET 33547, IET 33560

Zone V: IET 33519, IET 33539

Zone VI: None of the entries promoted

Zone VII: IET 33517

7 ADVANCE VARIETY TRIAL 2&1 Irrigated Late (AVT 2&1 - Late)

Locations: 44

Test entries: 9

Checks: Swarna (National), Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern), PA 6444 -HC and Local check

List of the entries performed superior in AVT2-Late:

In late duration trials, there is one hybrid entry (**IET 30882**) which have completed 4 years of testing (2022 to 2025) and three hybrid entries (**IET 31686, IET 31709, IET 31714**) which completed three years of testing (2023-2025).

IET 31686 (PAN 21514) significantly outperformed the best varietal and hybrid check for two years *ie.*, 1st year (6144 kg/ha) and 2nd year (6353 kg/ha) in Zone VI, whereas it showed superiority only for first year (7066) in Zone IV. **Hence it is promising in Zone VI.**

IET 31709 (PAN 21039) significantly outperformed the best varietal and hybrid check in Zone III, Zone V, Zone VI and Zone VII. **Hence it is promising in Zone III, Zone V, Zone VI and Zone VII**

IET 31714 (PHI-23104) showed no significant outperformance over the best varietal and hybrid check in any zone. Hence, ***It is not promising.***

IET 30882 (CRHR 166), a derivative of the cross CRMS 32A / CRL 123-122-21 showed no significant outperformance over the best varietal and hybrid check in any zone. Hence ***It is not promising.***

Entries promoted to third year of testing (from AVT1-Late to AVT2-Late): Two (2)

Zone II: None

Zone III: None

Zone IV: None

Zone V: IET 32587

Zone VI: IET 32576

Zone VII: None

8 INITIAL VARIETY TRIAL -Irrigated Late (IVT- Late)

Locations: 44

Test entries: 60

Checks: Swarna(National); Zonal checks - Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet(North Eastern), Salivahana(Western), Pushyami(Southern); PA6444 (Hybrid check); Local Check(LC).

List of promising entries promoted from IVT -L to AVT -1 (Late)

Zone II: None

Zone III: IET 33578

Zone IV: None

Zone V: IETs 33572, 33578, 33579, 33580, 33582, 33585, 33586, 33587, 33595

Zone VI: None

Zone VII: None

9 INITIAL VARIETY TRIAL –Boro

Locations: 12

Test entries: 26

Checks: Gautam (National), IR 64 (Zonal), Rajalaxmi (Hybrid), and Local check

List of entries promoted from IVT (Boro) to AVT1 (Boro)

Overall – None

Zone III (Eastern) – None

Zone IV (North Eastern) - IET 33284

10 AVT 2&1 and INITIAL VARIETY TRIAL –ETP (Rabi)

Locations: 18

Test entries: 31

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern), Luit (North Eastern), Sahbhagidhan (Central & Western), MTU 1153 (Southern)- Zonal and local check

List of entries promoted

IVT to AVT1 : None

AVT1 to AVT2 : None

Promising lines in AVT 2 : None

12 Hybrid Rice

Hybrid rice is a proven technology for increasing rice production and productivity and is playing an important role in increasing the rice production in our country. As a result of concerted efforts over the last three decades, 181 hybrids have been released and notified for commercial cultivation. Among these, 49 hybrids have been developed by the public sector, while the remaining 132 have been developed by the private sector. During the year 2025, hybrid rice was planted in an area of 4.0 m. ha. and more than 80% of the total hybrid rice area is in the states of Uttar Pradesh, Jharkhand, Chhattisgarh, Madhya Pradesh, Odisha and Haryana.

Promising hybrids identified in different hybrid rice trials (2025)

Name of the Hybrid	IET No.	DFP	Promising in
IHRT-E			
CTVA-25104	34009	92	Promoted Zone II, III, VI & VII
ADVRI-21-0072	33999	86	Promoted Zone VI
IHRT-ME			
ADVRH-190553	34019	97	Promoted Zone II, III, V, VII
CTVA-25107	34025	99	Promoted Zone II, III, V
Rallis-DR-8355	34013	97	Promoted Zone II, V
IHRT-M			
NK-7013 (RNE 0839)	34052	101	Promoted Zone II, III, VI
XP-423	34044	100	Promoted Zone II, III
Indam-200-064	34048	98	Promoted Zone VI
IHRT-MS			
JGLH-518	34058	97	Promoted Zone III, V, VI
JGLH-490	34056	102	Promoted Zone III
Kaveri 7624	34061	99	Promoted Zone V

List of public sector institute nominated hybrids (2025)

S.No.	Public sector	Number of hybrids nominated
1	ICAR-IIRR, Hyderabad	6
2	ICAR-NRRI, Cuttack	5
3	TNAU, Coimbatore	4
4	RARS, Karjat	3
5	RARS, Nandyal	3
6	RARS, Jagityal	3
7	RPCAU, Pusa	2
8	ICAR-IARI, New Delhi	1
9	GBPUAT, Pantnagar	1
10	IRR, PJTAU	1
	Total	29

13 ADVANCE VARIETY TRIAL 2&1 Aerobic (AVT 2 &1 - Aerobic)

Locations: 25

Test entries: 15

Checks: DRR Dhan 54 & CR Dhan 201 (National); CR Dhan 202 (Northern, Eastern, North Eastern and Central), AAUDR-1 (Western), MAS 946-1 (Southern)- Zonal; DRRH 4 (Hybrid) and local check

Performance in AVT 2 (Aerobic): None of the entries found promising

Promotion of entries from AVT1 to AVT2 (Aerobic):

Zone V: IET 32654

Zone VI: IET 31768

14 INITIAL VARIETY TRIAL- Aerobic (IVT-Aerobic)

Locations: 26

Test entries: 60

Checks: DRR Dhan 54, CR Dhan 201 (National); CR Dhan 202 – Northern, Eastern, North Eastern, Central (Zonal), AAUDR1 (Western), MAS 946-1 (Southern), and Local Check

List of the entries promoted from IVT to AVT1

Zone II: IET 33667, IET 33642, IET 33677, IET 33626

Zone III: IET 33626, IET 33642, IET 33628, IET 33667, IET 33651, IET 33644, IET 33652, IET 33633

Zone IV: IET 33675

Zone V: IET 33654, IET 33635, IET 33625, IET 33650, IET 33642, IET 33626

Zone VI: IET 33674, IET 33661, IET 33634, IET 33667, IET 33646, IET 33671, IET 33654, IET 33644, IET 33640, IET 33632

Zone VII: IET 33657, IET 33658, IET 33645, IET 33656, IET 33646

15 ADVANCE VARIETY TRIAL 2&1 Medium Slender (AVT 2&1 - MS)

Locations: 40

Test entries: 9

Checks: National Checks (NC): WGL 14 (NC, Medium), BPT 5204 (NC, Late), Telangana Sona (NC, Early), Zonal Checks (ZC): Improved Samba Mashuri (Eastern & Central), ADT-49 (Southern), Ketekijoha (North Eastern), Karjat-6 (Western), Local Check (LC); Hybrid Check (HC): 27P63

Entries promoted to third year of testing (from AVT1-MS to AVT2-MS):

Zone II:	None
Zone III:	IET 33084
Zone IV:	None
Zone V:	None
Zone VI	IET 33084, IET 32680
Zone VII	None

16 INITIAL VARIETY TRIAL- Medium Slender (IVT-MS)

Locations: 40

Test entries: 59

Checks: National: Telangana Sona (NC-Early), WGL 14 (NC-Medium), BPT 5204 (NC-Late); Zonal: Improved Samba Mahsuri (Eastern and Central), Ketekejoha (North Eastern), Karjat-6 (Western) & ADT49 (Southern) and Local Check.

List of the entries promoted from IVT to AVT1

Zone III	IETs 33736
Zone V	IETs 33710, 33728, 33730, 33736
Zone VI	IETs 33683, 33697, 33722, 33728
Zone VII	IETs 33685, 33690, 33691, 33697, 33702, 33704, 33722, 33729

17 ADVANCE VARIETY TRIAL 2 & 1 BIOFORTIFICATION (AVT 2 & 1 - BIOFORT)

Locations: 37

Test entries: 13

Based on yield advantage, two entries (IET 32729 and IET 32769) under second year of testing were promoted to AVT 2 in Zone VI. **But, they were not promoted based on Fe & Zn values:** IET 32729 – 1.83 ppm Fe, 20.56 ppm Zn ; IET 32769 – 1.76 ppm Fe , Zn – 20.05. **Therefore, none were promoted to AVT 2.**

18 INITIAL VARIETY TRIAL BIOFORTIFICATION (IVT - BIOFORT)

Locations: 39

Test entries: 44

Despite several entries being promoted on the basis of grain yield advantage, only two entries were promoted based on grain and Zinc content and three entries were promoted based on protein content.

Entries promoted to AVT 1 based on Zinc content & Grain Yield

Zone	IET Numbers
Z IV	IET 33772
Z VI	IET 33780

Entries promoted to AVT 1 based on Grain Protein content & Grain Yield

Zone	IET Numbers
Z IV	IET 33758, IET 33779, IET 33780

19 AVT 2 & 1 & IVT - E (H)

Locations: 16

Test entries: 25

Checks: Vivekdhan 86 (NC), Shalimar Rice-3 (ZC) and Local check (LC)

List of the entries promoted

Elevation	<u>Promoted from AVT 1-E(H) to AVT 2 – E (H)</u>	<u>Promoted from IVT- E (H) to AVT 1 – E (H)</u>
Low Southern		IET 33342
Medium Northern	IETs 32326 and 32317	IET 33347
Medium Southern	IETs 32373, 32317 and 32325	IET 33340
High elevation		IET 33341
Total	IETs 32317, 32325, 32326 and 32373	IETs 33340, 33341, 33342 and 33347

20 AVT 2 & 1 & IVT - M (H)

Locations: 17

Test entries: 31

Checks: Vivekdhan 62 (NC), VL Dhan 68 (ZC for North & South), RC Maniphou-11 (ZC for North East) and Local check (LC)

List of the entries promoted

<u>Elevation</u>	<u>Promoted from AVT1-M (H) to AVT-2 - M (H)</u>	<u>Entries promoted to IVT –M(H) AVT 1 - M (H)</u>
Overall basis	IET 32340	-
Low northern	IETs 32340, 32354, 32343 and 32344	IETs 33350, 33354 and 33360
Low southern	IET 32349	IETs 33361, 33358, 33363, 33355, 33354 and 33366
Medium northern	IETs 32350 and 32340	IETs 33350 and 33360
Medium southern	IETs 32344, 32351 and 32349	IETs 33349, 33357, 33358 and 33361
High altitude	IET 32340	-
Total	IETs 32340, 32343, 32344, 32349, 32350, 32351, 32354	IETs 33349, 33350, 33354, 33355, 33357, 33358, 33360, 33361, 33363, 33366

21 IVT - U (H)

Locations: 12

Test entries: 13

Checks: Sukaradhan1 (NC); VL Dhan158 (ZC for North & South); Bhalum 1 (ZC for North East) and Local check (LC)

List of the entries promoted

<u>Elevation</u>	<u>Entries promoted to AVT 1 – U (H)</u>
Overall basis	IETs 33369, 33368 and 33367
Low altitude northern	IETs 33369, 33368 and 33367
Medium altitude northern	-
Total	IETs 33369, 33368 and 33367

22 AVT 2&1 & IVT - JAPONICA

Locations: 9

Test entries: 4

Checks: Bhargudhan, Varundhan, Shalimar Rice-5 and local check

List of the entries promoted : None

23 ADVANCED VARIETY TRIAL 2 & 1 - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 &1 - AL & ISTVT), Kharif, 2025

Locations: 18

Test entries: 11

Checks (7): CSR 36 (Alkaline check), CSR 10 (Early duration saline check), FL 478 (Saline Tolerant check), CSR 23 (Inland Saline check), Pusa 44 (Sensitive check & RP), PR127 (Observational Sensitive Check) and Local check

AVT2- AL & ISTVT

Two entries IET Nos. 31862 and 31858 tested in four zones (Z- II, III, VI & VII) and completed three years of testing.

Alkaline conditions: Zone – II & III: IET Nos. 31862 and 31858

Inland saline conditions: Zone – VI: IET Nos. 31862 and 31858

AVT1- AL & ISTVT

Nine entries in total tested in four zones (Zone-II, III, VI & VII) under alkaline and inland saline conditions.

Alkaline Conditions

Zone-II: IET Nos. 32776 & 32792

Zone-III: IET Nos. 32788 & 32783

Inland Salinity

Zone-II: IET Nos. 32788, 32783, 32776, 32792 & 32778

Zone VII: IET Nos. 32780, 32785 & 32778

Entries promoted from AVT1- AL & ISTVT to AVT2 -AL & ISTVT

IET Nos. 32788, 32783, 32776, 32792, 32778, 32780, 32785

24 INITIAL VARIETAL TRIAL - Alkaline and Inland Saline Tolerant Variety Trial (IVT- AL & ISTVT)

Locations: 18

Test entries: 21

Checks (7): CSR 36 (Alkaline check), CSR 10 (Early duration saline check), FL 478 (Saline Tolerant check), CSR 23 (Inland Saline check), Pusa 44 (Sensitive check), PR127 (Observational Sensitive Check) and Local check

IVT - AL & ISTVT

Nine entries in total tested in four zones (Zone-II, III, VI & VII) under alkaline and inland saline conditions.

Alkaline Conditions

Zone II : IET 33797

Zone III : IET 33797

Zone VII: IET 33804

Inland Salinity

Zone II: IET Nos. 33796 & 33788

Zone VII: IET Nos. 33788 & 33789

IET Nos. 33797, 33804, 33796, 33788 & 33789 promoted to second year of testing in AVT1- AL&ISTVT.

25 ADVANCED VARIETY TRIAL 2 & 1 - Coastal Saline Tolerant Variety Trial (AVT 2 &1 CSTVT), Kharif, 2025

Locations: 14

Test entries: 16

Checks (6): Bhuthnath (Coastal Saline Check), FL478, CSR 10 (Early duration check), Pusa 44 (Sensitive check), PR 127 (Observational check) and Local check

AVT1- CSTVT

Thirteen entries tested in three zones (Z-III, VI & VII)

None of the entries in AVT1-CSTVT merit promotion to AVT 2-CSTVT.

AVT2- CSTVT

Three entries tested in three zones (Z-III, VI & VII). IET Nos. 31877, 31878 and 31067 completed three years of testing.

Zone – III : IET Nos. 31877 and 31878

Zone – VI : IET 31067

26. INITIAL VARIETY TRIAL - COASTAL SALINE TOLERANT VARIETY TRIAL (IVT - CSTVT), Kharif, 2025

Locations: 14

Test entries: 31

Checks (6): Bhuthnath (Coastal Saline Check), FL478 (Saline Tolerant check), CSR 10 (Early duration check), Pusa 44 (Sensitive check), PR 127 (Observational check) and Local check

Promotion of entries from IVT-CSTVT to AVT1-CSTVT

Zone-III: IET Nos. 33830, 33826, 33823, 33806, 33822 & 33824

Zone-VI: IET 33813

IET Nos. 33830, 33826, 33823, 33806, 33822, 33824 & 33813 are promoted to AVT1-CSTVT

Near Isogenic Lines (NIL's) in the genetic background of CARI Dhan 5:

IET 32984 found promising for the zone VII.

27 ADVANCE VARIETY TRIAL 2&1 and INITIAL VARIETY TRIAL – AROMATIC GRAIN TYPE (AVT 2&1 & IVT AGT)

Locations: 35

Test entries: 34

Checks: Shobini (National), Badshabhog Sel-1 (Northern & Central), CR Sugandh Dhan 907 (Eastern & North Eastern), GAR – 14 (Western) Sugandh Samba (Southern) – Zonal, Dubraj Sel-1 and Ketekijoha – Quality, Rajendranagar Vari-2 (RNR 15435) – Long Grain Check and Local check.

Entries promoted from AVT1 (AGT) to AVT 2 (AGT)

Zone II:	None
Zone III:	IET 32846
Zone IV:	IET 32846
Zone V:	None
Zone VI	None
Zone VII	None

Entries promoted from IVT (AGT) to AVT1 (AGT)

Zone II:	None
Zone III:	IETs 33925, 33932
Zone IV:	IETs 33932, 33924, 33925, 33921
Zone V:	None
Zone VI	None
Zone VII	IET 33920

28 ADVANCE VARIETY TRIAL 2&1 Low Phosphorus Tolerance (AVT 2&1 - LPT)

Locations: 8

Test entries: 31

Checks: Tolerant –Swarna, DRR Dhan 60, Rasi and Vandana (Early check)
Sensitive – Improve Samba Mahsuri

List of the entries performed superior in AVT 2 - LPT:

IET 31102 (R): Z VII
IET 31107: Z VII
IET 31968: Z III
IET 31969: Z III and Z VII
IET 31976: Z VII
IET 31980: Z VII
IET 31982: Z III
IET 29546 (R): Z VII

List of the entries promoted from AVT 1 - LPT to AVT 2 - LPT: None

29 INITIAL VARIETY TRIAL LOW PHOSPHORUS TOLERANCE (IVT - LPT)

Locations: 10

Test entries: 15

Checks: Tolerant –Swarna, DRR Dhan 60, Rasi and Vandana (Early check)
Sensitive – Improve Samba Mahsuri

List of the entries promoted from IVT LPT to AVT1-LPT:

Zone III: IETs 33857, 33852, 33861, 33850 and 33856

30 ADVANCE VARIETY TRIAL 2&1 LOW NITROGEN TOLERANCE (AVT 2&1 - LNT)

Locations: 10

Test entries: 18

Checks: Tolerant –Swarna, DRR Dhan 64, Rasi and Varadhan (Early check)
Sensitive – Improve Samba Mahsuri

List of the entries performed superior in AVT2-LNT:

IET 31990: Promising for Z II and Z III

IET 32010: Promising for Z II.

List of the entries promoted from AVT 1 - LNT to AVT 2 – LNT

Zone II: IET 32889 and IET 32891

31 INITIAL VARIETY TRIAL LOW NITROGEN TOLERANCE (IVT - LNT)

Locations: 11

Test entries: 17

Checks: Tolerant –Swarna, DRR Dhan 64, Rasi and Varadhan (Early check)
Sensitive – Improve Samba Mahsuri

List of the entries promoted from IVT LNT to AVT 1 - LNT

Zone II: IETs 33878, 33875, 33868, 33867, 33862 and 33872

Zone VI: IETs 33865 and 33870

32 ADVANCE VARIETY TRIAL 1 & INITIAL VARIETY TRIAL – Coloured Rice (AVT1&IVT –Colour):

Locations: 34

Test entries: 37

Checks: Choharto (Red rice Check), Jyothi (Matta Red Rice Check), Kauni (Black Rice check) and Local check

Zones	AVT 1 CR to AVT 2 CR	IVT CR to AVT 1 CR
Zone I:	None	None
Zone II:	IET 28664 and IET 32025	IET 33899
Zone III:	IET 28664 and IET 32896	IET 33888 and IET 33908
Zone IV:	IET 32896	None
Zone V:	IET 32896	IETs 33888, 33898, 33903, 33904, 33905 and 33908
Zone VI	None	None
Zone VII	None	None

33 ADVANCE VARIETY TRIAL 2&1 NIL (AVT 2 & 1 NIL)

Performance of NILs and GELs (AVT 2 & 1 NIL & GEL Trials)

NILs of Samba Mahsuri (BPT 5204)

IET 32964 recorded at par yield with improved blast resistance but was dropped due to grain type and quality issues.

IET 30952 recorded inferior yield and was dropped.

NILs of Pusa 44

IET 32046 recorded inferior yield and was dropped.

IET 29546 recorded at par yield under Low P condition, hence dropped

NILs of CARI Dhan 5

IET 32984 found promising for Zone VII with superior yield and improved bacterial leaf blight resistance.

NILs of WGL 14 (Warangal Samba)

IET 33837 and IET 33838 recorded inferior yield and undesirable disease reactions; both were dropped.

NILs of DRR Dhan 53

IET 32980 showed superior yield in some zones and resistance reaction, hence promoted.

NILs of Swarna

IET 33839 and IET 33840 exhibited inferior yield despite better sheath blight resistance; both were dropped.

NILs of DRR Dhan 50

IET 32981 showed superior drought performance but inferior yield under normal conditions; dropped.

IET 33841 recorded at par yield and is recommended for repeat testing.

NILs of CO 59

IET 32986 (at par yield) and IET 32987 (inferior yield) were not evaluated under stress conditions; both recommended for repeat testing.

NILs of CO 51

IET 32989 and IET 32988 recorded significantly inferior yield; both were dropped.

NILs of 28P67

IET 32990 found promising with improved yield and better bacterial leaf blight resistance in Zones III and V.

NILs of SAVA 7501

IET 33994 could not be evaluated due to poor trial conditions; recommended for repeat testing.

NILs of 28P68

IET 33995 recorded at par yield but no significant improvement in bacterial leaf blight resistance; dropped.

Genome Edited Lines (GELs)

GEL of MTU 1010

IET 33842 recorded inferior yield performance and was dropped.

GELs of ASD 16 (Aroma lines)

IET 33843 (mild scent) and IET 33844 (strong scent) showed at par yield with improved grain quality; both were promoted.

GELs of ASD 16 (Yield lines)

IET 33845 recorded superior yield and was promoted.

IET 33846 showed only marginal yield advantage and performed at par; hence dropped.

34 ADVANCE VARIETY TRIAL 1 (Irrigated-DSR)

Locations: 35

Test entries: 17

Checks: Sahbhagi Dhan (Early), DRRH 4 (Early Hybrid), DRR Dhan 70 (Medium), DRR Dhan 55 (Medium), CR Dhan 702 (Late Hybrid), DRR Dhan 50 (Late), Local check

List of promising entries promoted from AVT 1-DSR promoted to AVT2 – DSR

Zone II: IETs 32917,

Zone III: IETs 32917, 32918, 32922, 32924

Zone IV: IETs 32922, 32924

Zone V: IETs 32917, 32918, 32924

Zone VI: IETs 32917, 32918, 32922, 32924

Zone VII: IETs 32917, 32918, 32922, 32944

35 INITIAL VARIETY TRIAL (Irrigated-DSR)

Locations: 36

Test entries: 57

Checks: Sahbhagi Dhan (Early), DRRH 4 (Early Hybrid), DRR Dhan 70 (Medium), DRR Dhan 55 (Medium), CR Dhan 702 (Late Hybrid), DRR Dhan 50 (Late), Local check

List of promising entries promoted from IVT-DSR promoted to AVT1-DSR

Zone II: IETs 33941, 33949, 33970, 33980, 33982, 33985, 33988

Zone III: IETs 33938, 33939, 33940, 33941, 33942, 33944, 33947, 33948, 33956, 33964, 33973, 33983

Zone IV: IETs 33937, 33938, 33940, 33943, 33944, 33945, 33946, 33948, 33950, 33954, 33956, 33957, 33960, 33963, 33964, 33967, 33968, 33969, 33970, 33971, 33972, 33974, 33977, 33978, 33979, 33980, 33981, 33982, 33983, 33984, 33987, 33988, 33990, 33991, 33992

Zone V: IETs 33938, 33939, 33941, 33942, 33943, 33944, 33945, 33947, 33949, 33953, 33956, 33959, 33964, 33967, 33968, 33973, 33976, 33983, 33984, 33985, 33986,

Zone VI: IETs 33938, 33941, 33944, 33947, 33948, 33949, 33951, 33956, 33957, 33964, 33967, 33969, 33973, 33979, 33986, 33987, 33990, 33992

Zone VII: IETs 33944, 33947, 33948, 33949, 33951, 33957, 33958, 33959, 33967, 33973, 33975, 33978, 33981, 33983, 33985, 33992, 33993

Rice Varieties/Hybrids released during 2025 – 26 by CVRC/SVRC

S.No.	Variety/Hybrid	IET	Ecosystem	Institute	Zones	States
1	DRR Dhan 81	31929	I-Biofort	IIRR-Hyderabad	III, IV, V, VII	BR, UP, AS, MH, GJ, KL, KA
2	Sabour Mahsuri Dhan (BRR 2176)	28489	IM	BAU, Bikramgunj	III, V, VI, VII	BR, UP, JH, CG, MP, MH, GJ, TS, PY, KA
3	Sabour Kunwar Dhan (BRR 2141)	29140	I-ETP	BAU, Bikramgunj	III, V, VI	BR, JH, OD, WB, UP, MP, CG, GJ, MH
4	Jagtiala Vari -33124	28764	IM	PJTAU, Jagtial	VII	TS
5	Jagtiala Vari 28639	30636	I-ETP	PJTAU, Jagtial	VII	TS
6	Warangal Vari 1246 (WGL 1246)	28406	I-ETP	PJTAU, Warangal	VII	TS
7	Kampasagar Vari 6251 (KPS 6251)	29975	I-ETP	PJTAU, Kampasagar	VII	TS
8	Rudrur Vari 1162 (RDR 1162)	29160	I-ETP	PJTAU, Rudrur	VII	TS
9	Rudrur Vari 1200 (RDR1200)	29305	I-Late	PJTAU, Rudrur	VII	TS
10	Indravati Dhan (JDP 2018)	28634	Aerobic	SGCARS, Jagadalpur (IGKV, Raipur)	V	CG
11	Malviya Dhan 105 Sub-1 (HUR 105)	28024	I-Late	BHU, Varanasi	II, III	UP
12	Phule Super Pawana (IGP 13-12-19)	30816	I-M	MPKV, Rahuri - ZARS, Igatpuri	VI	Western MH

S.No.	Variety/Hybrid	IET	Ecosystem	Institute	Zones	States
13	SKM Organic Chirakey Selection -1 (CS-1)	30517	I-Sikkim	Sikkim University	I	SK
14	Gangavathi Churumuri (GNV 1109)	30167	AL & ISTVT	ARS, Gangavathi. UAS, Raichur, KA	VII	KA
15	CAU R-5 (Emoinuphou)	30811	IM	CAU, Imphal, MNP	I	MN
16	Malaviya Manila Sinchit Dhan -1	26898	IM	BHU Varanasi	III	UP
17	ADV-8200	29694	ETP	Advanta Enterprises Limited	II, III, V, VI	HR, RJ, UK, PB, UP, OD, WB, JH, BR, MH, MP, CG, GJ
18	JKRH-2062	29700	ETP	JK Agri Genetics Ltd	II	HR, RJ, UK, PB, UP
19	JKRH-2082	30579	IME	JK Agri Genetics Ltd	III	OD, WB, JH, BR, UP
20	JKRH-2601	28956	ETP	JK Agri Genetics Ltd	V, VI	MH, CG, GJ, MP
21	JKRH-2092	30561	ETP	JK Agri Genetics Ltd	II	HR, RJ, PB, UK, UP
22	PNPG 114	30819	IM	Prabhat Agri Biotech Limited	III, VII	OD, BR, WB, UP, JH, TN, KA, TS, AP
23	Srikar-2123	30573	IME	Rasi Seeds Pvt. Ltd.	III, IV	OD, WB, JH, BR, UP, TR, AS
24	KKL (R) 5	32036	AL & ISTVT	PAJANCOA & RI, Karaikal	III, VII	TN, PY, KL, WB
25	LG 90303	30593	IME	Limagrains India Pvt. Ltd.	III, V, VII	OD, WB, JH, BR, UP, MH, MP, CG, TN, KL, KA, PY, TS, AP
26	Indam 200-055	30604	IM	Indo-American Hybrid Seeds India Pvt. Ltd.	III, VI, VII	OD, WB, JH, BR, UP, MH, GJ, TN, KL, KA, PY, TS, AP
27	Telangana Rice-1719 (WGL 1719)	30669	ETP	RARS, Warangal	V	MH, MP, CG

S.No.	Variety/Hybrid	IET	Ecosystem	Institute	Zones	States
28	Telangana Rice-35105 (RNR 35105)	30641	ETP	ARI, Rajendranagar, PJTAU	II, III, V	HR, RJ, PB, UP, OD, WB, JH, BR, MH, MP, CG
29	Telangana Rice-12509 (KNM 12509)	30642	ETP	ARS, Kunaram	III, IV, V, VI	OD, WB, JH, BR, UP, TR, AS, MH, MP, CG, GJ
30	Jagtiala Vari-28639 (JGL 28639)	30636	ETP	RARS, Jagtiala	III, IV	OD, WB, JH, BR, UP, TR, AS
31	MRP-5499	30608	IM	Mahyco Pvt. Ltd.	II	HR, UK, PB, UP
32	RRX 3366	30574	IME	Rasi Seeds Pvt. Ltd.	II	HR, UK, PB, UP
33	CR Sankar Dhan-706	30613	IM	ICAR-CRRI, Cuttack	III	OD, WB, UP, JH, BR
34	CR Dhan 812	32123	NIL-HT	ICAR-CRRI, Cuttack	III, IV	OD, WB, JH, BR, UP, TR, AS
35	CSR 108	31055	AL & ISTVT	ICAR-CSSRI, Karnal	II	HR, UP
36	CR Dhan 417	30961	MS	ICAR-CRRI, Cuttack	IV, VII	TR, AS, TN, KL, KA, PY, TS, AP
37	Mangala/B Dhan 24	29940	ETP	CRU, RD, BCKV, WB	II, III, V, VII	HR, RJ, PB, UP, OD, WB, JH, BR, MH, MP, CG, TN, KL, KA, PY, TS, AP
38	OUAT Kalinga Rice-20	30336	EDS	HRRS (OUAT), Jeypore	III	OD, WB, JH
39	RNE-0456	30603	IM	Syngenta India Pvt. Ltd.	VII	TN, KL, KA, PY, TS, AP
40	RNE-0463	30605	IM	Syngenta India Pvt. Ltd.	III	OD, WB, JH, UP, BR
41	ICAR NEH TRC 739	30772	IM	ICAR Research Complex for NEH region, TRI centre, Lamuvherra and Umiam, Meghalaya	III	OD, BR, WB, UP, JH
42	DRR Dhan 82	30756	IME	ICAR-IIRR, Hyderabad	III	OD, WB, JH, BR, UP
43	DRR Dhan 83	32045	IME	ICAR-IIRR, Hyderabad	IV, VII	TR, AS, TN, KL, KA, PY, TS, AP

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S.No.	Variety/Hybrid	IET	Ecosystem	Institute	Zones	States
44	DRR Dhan 84	32051	IM	ICAR-IIRR, Hyderabad	III, V, VII	OD, BR, JH, MH, TN, TS, AP
45	DRR Dhan 85	32054	MS	ICAR-IIRR, Hyderabad	III, V, VI, VII	TS, AP, TN, KA, CG, OD, JH, BR, GJ, MH
46	DRR Dhan 87	31110	LPT	ICAR-IIRR, Hyderabad	III, VII	OD, JH, BR, KA, TS, AP
47	DRR Dhan 88	28070	LPT	ICAR-IIRR, Hyderabad	VI, VII	MH, KA, TS, AP
48	DRR Dhan 89	32064	Late	ICAR-IIRR, Hyderabad	III	OD, WB, JH, BR, UP
49	DRR Dhan 90	29581	LNT	ICAR-IIRR, Hyderabad	VII	KA, TS, AP
50	DRR Dhan 91	32061	MS	ICAR-IIRR, Hyderabad	III, V, VI, VII	TS, AP, TN, KA, CG, OD, JH, BR, GJ, MH
51	DRRH-7	30165	AL & ISTVT	ICAR-IIRR, Hyderabad	II, III, VII	HR, UP, TN
52	IIAB Dhan 5	30656	ETP	ICAR-IIAB, Ranchi	III, IV	OD, WB, JH, BR, UP, TR, AS
53	Pusa Rice Hybrid 60	28965	ETP	ICAR-IARI, New Delhi	III	BR, UP
54	KRH-7374	30565	ETP	Kaveri Seeds Co. Ltd.	II	HR, RJ, UK, PB, UP
55	KRH-7117	31193	EDS	Kaveri Seeds Co. Ltd.	VI	MH, GJ
56	RC Manichakhao-1	32893	IM	ICAR Research Complex for NEH region, MNP centre, Imphal	I	MN
57	Irabati	25903	SDW	RRS, Chinsurah, WB	III	WB
58	Suvashini	29216	IME	RRS, Chinsurah, WB	III	WB
59	Lachmanti	28367	ETP	RRS, Chinsurah, WB	III	WB
60	Musafir	28374	ETP	RRS, Chinsurah, WB	III	WB
61	ADT-60	28471	IM	TNAU, Aduthurai	VII	TN

S.No.	Variety/Hybrid	IET	Ecosystem	Institute	Zones	States
62	CO-59	24247	IM	TNAU, Aduthurai	VII	TN
63	PDKV SAKSHI	31949	Biofort	ARS, Sakoli	V	MH
64	Phule Maval-7	31691	Late	ARS, Vadgaon Maval, MH	VI	MH
65	Konkan Suwas	30820	IM	Director of Research, BSKKV, Dapoli, Ratnagiri	VI	Konkan region of MH
66	CR Dhan 325	29240	IME	ICAR-CRRI, Cuttack	III	OD
67	CR Dhan 215	29446	Aerob	ICAR-CRRI, Cuttack	III	OD
68	CR Dhan 335	30754	IME	ICAR-CRRI, Cuttack	III	OD
69	CR Dhan 912	26446	Boro	ICAR-CRRI, Cuttack	III	OD
70	CR Sankar Dhan-705	29752	IM	ICAR-CRRI, Cuttack	III	OD
71	CSR 64	27723	Salt Affected Soil	ICAR-CSSRI, Karnal	II	Sodic soils of UP
72	HKR-49	27866	ETP	RRS, Kaul	II	HR
73	Dweep Dhan 7	25008	SDW	ICAR-CIARI, Sri Vijaya Pura, Andaman & Nicobar Islands	VII	Andaman & Nicobar Islands
74	Dweep Dhan 8	25010	SDW	ICAR-CIARI, Sri Vijaya Pura, Andaman & Nicobar Islands	VII	Andaman & Nicobar Islands
75	Dweep Dhan 9	25019	SDW	ICAR-CIARI, Sri Vijaya Pura, Andaman & Nicobar Islands	VII	Andaman & Nicobar Islands
76	Dweep Dhan 10	32176	SDW	ICAR-CIARI, Sri Vijaya Pura, Andaman & Nicobar Islands	VII	Andaman & Nicobar Islands

Rice Genetic stocks registered during 2025-26 at ICAR – NBPGR, New Delhi

S. No	INGR NO./ EC/IC No.	Botanical Name	Other Identity	Pedigree	Potentially valuable features	First developer
1.	25001/ EC 792285	<i>Oryza sativa</i>	1723/ CAROLINA GOLD; TKM 201	Unknown	• Saline submergence tolerant at germination stage • Germination% (5 DAS) = 63.27%, • Survival% (10 DAS) = 62.24%	Dr Tapan K Mondal ICAR-NIPB, Pusa Campus, New Delhi
2.	25002/ IC 654536	<i>Oryza sativa</i>	RP-GP-3000-179-3-9-1	MTU 1121/Vijetha	Dual resistance • Brown plant hopper (DS:3.4) and White backed plant hopper insects in rice (DS: 3.7) • Stable resistance at 4 locations/ environments	Dr G. Padmavathi ICAR-IIRR, Hyderabad Telangana
3..	25003/ IC 216735	<i>Oryza sativa</i>	IC216735	IC216735 Introduction and Selection	• Resistance to Brown planthopper (<i>Nilaparvata lugens</i>) in rice with a damage score of 2.7. • Resistance to brown planthopper at vegetative stage in rice • Resistance to brown plant hopper at reproductive stage in rice	Dr. Jhansi Lakshmi V, ICAR-IIRR Hyderabad
4.	25004/ IC 76057	<i>Oryza sativa</i>	IC76057	IET-9926/Swarnadan / veluthacheera	• Resistance to brown planthopper (<i>Nilaparvata lugens</i>) in vegetative and reproductive stage. Damage score of 2.6.	Dr. Jhansi Lakshmi V, ICAR-IIRR Rajendranagar, Hyderabad
5.	25005/ IC 654537	<i>Oryza sativa</i>	CR4423-17	-doubled haploid line from F1 of Savitri X Pokkali	• Osmotic Tolerance/ drought tolerance with 16% reduction in shoot dry weight at 1% mannitol and 22.5% at 2% Mannitol. • High anaerobic germination potential, anaerobic germination index = 60.6%, epicotyl length=18.6 cm. • Salinity tolerance with visual salt injury score = 5. • Submergence tolerance = 65.5% survival percentage	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha
6	25006/ IC 654538	<i>Oryza sativa</i>	NWGR-11048	doubled haploid line from F1 of Savitri X Pokkali	• The genotype is found resistant against sheath rot (susceptibility index =4.4). • Resistant against grain discoloration (SI= 3.5). • Resistant against rice tungro disease (SI = 3.0)	Dr. RK Gangwar, MARS, AAU, Nawagam, Gujarat

S. No	INGR NO./ EC/IC No.	Botanical Name	Other Identity	Pedigree	Potentially valuable features	First developer
7	25042/ IC 658167	<i>Oryza sativa</i>	TKM 85/ Pokkali- BJJ/10-2	Collection from Ayyampilly Ernakulam, Kerala	- Saline submergence tolerant at germination stage: Germination % (5 DAS) =90.749%, Survival % (10 DAS) =91.58% (EC= 5 dSm-1; 42.92 mM NaCl and 10 dSm-1; 85.83 mM NaCl) - Least reduction in root dry weight (0.02gm) and Enhancement in shoot dry weight (0.06gm) under drought stress 12.8 % mean leaf chlorophyll content enhancement under salinity stress - Least reduction in shoot dry weight (0.03gm) under salinity stress	Dr Tapan K Mondal ICAR-NIPB Pusa Campus, New Delhi
8	25043/ IC256568	<i>Oryza sativa</i>	AC-34975/ Chadhei nakhi; PB-56	Collected from Pravasuni Tileibani Deogarh, Odisha	- Least reduction in root dry weight (0.02gm) and Enhancement in shoot dry weight (0.06gm) under drought stress 12.8 % mean leaf chlorophyll content enhancement under salinity stress - Least reduction in shoot dry weight (0.03gm) under salinity stress	Dr Prashantkumar S Hanjagi ICAR-NRRI, Cuttack, Odisha
9	25044/ IC658168	<i>Oryza sativa</i>	CRAC4423-14	Savitri/Pokkali	Osmotic/dehydration tolerance at seedling stage with higher shoot dry weight (0.052g) under severe osmotic stress (2% mannitol) compared to tolerant genotypes Vandana and FL 478(0.02g)	Dr Sanghamitra S ICAR-NRRI, Cuttack, Odisha
10	25045/ EC1076003	<i>Oryza sativa</i>	Binnaful EC1076003	Cultivar	- Tolerant to osmotic stress (- 4.0 bar Mannitol induced) – High shoot weight (0.055 g) and high chlorophyll content (2.2 mg/100g) - Highly tolerant to anaerobic germination (germination rate = 65.5%, high epicotyl length 35 cm) - Tolerant to salinity (NaCl induced 12 dSm-1) lowest decline in root biomass (10.49%), High chlorophyll content (1.0 mg g-1 FW), high shoot growth. Salt injury score 5.0 (moderate)	Dr. Koushik Chakraborty ICAR-NRRI Cuttack, Odisha
11	25046/ IC658169	<i>Oryza sativa</i>	IR 73784-5- 28- B-HWR-1	IR31917-45- 3-2/ <i>O. latifolia</i> Acc 100914/ IR3 1917-45-3-2 in BC1F11 generation	- Resistance to Brown plant hopper (BPH) <i>Nilaparvata lugens</i> with a damage score of 4.1 - Resistance to brown plant hopper at vegetative and reproductive stages	Dr RM Sundaram, ICAR-IIRR Hyderabad, Telangana

S. No	INGR NO./ EC/IC No.	Botanical Name	Other Identity	Pedigree	Potentially valuable features	First developer
12	25047/ IC 658170	<i>Oryza sativa</i>	RP 5177-86	(GP SS RIL-86)	- Resistance (Damage score: 3.1) against Brown plant hopper in seedling stage - It possesses three known genes namely bph2, Bph 21 and Bph 32 governing BPH resistance.	Dr G. Padmavathi ICAR-IIRR, Hyderabad, Telangana
13	25048 / IC 658171	<i>Oryza sativa</i>	BPT 3194	BPT 5204 and MTU 1075	Resistance to BPH damage score= 3.1), WBPH (DS=4.1), mixed plant hopper populations (43.5 no./10hills) in Vegetative and Reproductive Stages	Dr B Krishna Veni ARS, Bapatla Andhra Pradesh
14	25049 / IC 658172	<i>Oryza sativa</i>	RP 6619	RP 5933-1-19-2 R/ Tetep // RP 5933-1-19-2 R/ <i>O. minuta</i> (IR 71033-121-15 derived from <i>O. minuta</i>)	Broad-spectrum blast resistance genes Pi9 and Pi54 in this male fertility restorer	Dr. Revathi Ponnuswamy ICAR-IIRR Hyderabad, Telangana
15	25050 / IC 658173	<i>Oryza sativa</i>	NLRBL-1 (UB1066)	(MTU1010 x 5809-7-1-1-1) (where 5809-7-1-1-1 is a derivative of NLR 34417 / N LR 34449)	Resistance to leaf and neck blast (with mean leaf blast score of 3.1 over ten locations and mean neck blast score of 2.3 over six locations across India)	Dr Ch. Sreelakshmi ARS, ANGRAU, Nellore, Andhra Pradesh
16	25051/ IC 658174	<i>Oryza sativa</i>	IET31956 (RP6615-MK/RIL- FBMI-45- 1-5-1)	MTU1010 × Karuppunel	- Possesses micronutrient (Zn) content (25.87ppm) in polished rice grain - Possesses Protein content of 7.69% in polished rice grain	Dr CN Neeraja ICAR-IIRR, Hyderabad, Telangana
17	25052 / IC 658175	<i>Oryza sativa</i>	IET 31933; [RP6615- MK (RIL- FBMI-2-1)]	MTU1010 × Karuppunel	- Possesses micronutrient (Zn) content (25.25ppm) in polished rice grain - Possesses Protein content of 8% in polished rice grain	Dr CN Neeraja ICAR-IIRR, Hyderabad, Telangana

IRRIGATED TRIALS

With the introduction of high yielding varieties, there has been remarkable progress in production and productivity of rice in the irrigated areas, which account for almost 60% of rice production in the country. However, the production and productivity gains achieved in this ecology need to be sustained under the scenario of decreasing land, labour and water and it is also required to be insulated against the biotic stresses, while simultaneously improving the grain quality and climate resilience. Since, the demand for food especially rice is still expected to increase with the ever-escalating population in the years to come, it is necessary to break the yield barrier through conventional methods and cutting edge technologies using diverse germplasm base, ideotype breeding and exploitation of hybrid vigour. In addition, with the advent of biotechnological tools, marker assisted breeding and genome editing for incorporating the target traits has become quite feasible in varietal improvement programmes. In view of the existing concerns and opportunities available, there is a need to identify high yielding genotypes suitable for the vast, highly productive and very important irrigated ecology.

ICAR-Indian Institute of Rice Research (ICAR-IIRR) conducts and coordinates multidisciplinary and multi-location evaluation of elite cultures, crop management and crop protection technologies in different agro-climatic zones of the country under All India Coordinated Research Project on Rice (AICRPR) to enhance rice production. A total of 37 trials (33 varietal trials and 4 hybrid rice trials) were conducted in 1055 experiments (939 varietal and 116 hybrid rice) at 115 locations (41 funded, 74 voluntary centres) in 28 states and 5 union Territories across seven zones of the country during 2025 which is the 61th year of AICRPR testing. Hybrid rice experiments were also conducted by 20 private seed companies. The 37 trials were constituted with 1222 entries (1153 varietal and 69 hybrid rice) including 166 checks. The overall data receipt was 91% of which 95% and 87% data was received from funded and voluntary centres respectively.

The chapter outlines the results obtained trial wise which are discussed below :

ADVANCE VARIETY TRIAL 2 & 1 – EARLY TRANSPLANTED (AVT 2 & 1 - E TP)

Locations: 47

Test Entries: 23

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern) Luit (North Eastern), Sahbhagi dhan (Central & Western), MTU 1153 (Southern)- Zonal; US 314 (Hybrid) and local check

Table: 1

The AVT 2 & 1 – Early Transplanted trial was constituted with 4 hybrid (one in 3rd year and 3 in 2nd year of testing) and 19 varietal entries (3 in 3rd year and 16 in 2nd year of testing) along with 4 checks; National Check - CO 51 (NC); Zonal check (ZC) Northern - PR 124, Eastern - Narendra 97, North Eastern - Luit, Central and Western Sahbhagi Dhan, Southern - MTU 1153; Hybrid check - US 314 and a Local Check. The trial was sent to 47 locations and data was not received from two locations viz., Chinsurah and Rudrur. The data from 5 locations viz., Lembucherra (Low expt. Yield = 3046 kg/ha), Jagadalpur (High CV = 31.52 %), Raipur (F non-significant), Nawagam (Low expt. Yield = 3215 kg/ha) and Kurumbapet (Based on inputs from Monitoring team) were not considered for analysis. Data from remaining 40 centers was used for analysis and entries were assessed for their yield performance. The entries are tested zone wise and therefore, performance of entries are discussed zone wise. National check was common across all zones and Zonal checks and local checks are varying depending on zone and location.

Zones	II	III	IV	V	VI	VII
Range: Zonal mean (Kg/ha)	4575 (NC) - 6657 (HC)	4283 (NC) - 5458 (IET 31436)	4033 (LC) – 5151 (IET 32394)	4498 (ZC) – 6162 (HC)	4016 (NC) – 5911 (IET 32378)	4804 (IET 32430) – 6130 (IET 32433)
Exp Mean (Kg/ha)	4075 (NGN) – 7019 (LDN)	4027 (SBR)- 7043 (VRN)	4525 (TTB) – 4776 (ARD)	4425 (SND) – 6277 (LC)	4606 (VYR) – 5115 (RDN)	3917 (BRM) – 8448 (GNV)
CV%	6.04 (NGN) – 10.59 (KTA)	4.76 (CHP) – 10.26 (RCI)	5.69 (ARD) – 9.06 (TTB)	5.25 (REW) – 13.57 (SND)	10.11 (KJT) – 13.74 (VYR)	4.54(ADT) - 14.84 (PTB)
DFF	85 (NC) – 101 (ZC)	86 (NC) – 94 (IET 32378)	85 (ZC) – 94 (IET 30637, IET 32378, IET 32433)	82 (NC) – 93 (IET 32378)	84 (NC) – 95 (IET 32378)	85 (NC) – 96 (IET 32430)
PH (cm)	94 (IET 32394) – 117 (IET 32378)	96 (IET 32394) – 117 (IET 30651)	104 (LC) – 121 (IET 32402)	100 (IET 32394) – 123 (IETs 32378, 32387, 32402)	91 (IET 32394) – 124 (IET 32378)	79 (IET 32430) – 115 (IET 32402)
Pan/m ²	249 (IET 33006) – 307 (LC)	213 (ZC) – 265 (IET 32387 & IET 32394)	324 (IET 32378) – 438 (NC)	219 (IET 32393) – 308 (LC)	200 (IET 32378) – 239 (IET 32393)	332 (IET 32393) – 386 (IET 32430)
DNI (Data not included)	-	-	LBM (Low Expt. Mean 3046 kg/ha)	JDP – F Non- significant RPR - F Non- significant	NWG (Low Expt. Mean 3215 kg/ha)	KBP (Based on monitoring team report)
Locations considered	5	12	2	4	3	14

Location Experimental Mean (LEM): Kg/ha and Location CV: %

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In AVT-2, only one entry IET 31436 (H) recorded required significant yield superiority and its three year's performance is presented in the table. In AVT-1, nine varietal entries (IETs 32387, 32394 32433, 32396, 32402, 32427, 32399, 32378 and 32395 recorded required significant yield superiority.

Performance of the entries with required significant yield superiority over checks in AVT 2 & 1 E TP during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha)						Grain quality (GT/HRR/AC/GC/ASV & Remarks
	II	III	IV	V	VI	VII	
AVT 2							
IET 31436 (H) VNR-234/Hybrid	-	5458*# (89)	-	-	-	-	LS/65/21.3/47/4
AVT 1							
IET 32387 (WGL-1868) (RNR 15048/WGL 1145)	6522* (93)	-		6004* (88)	-	-	LS/58.1/23.67/62/3 Promoted in Z II, V
IET 32394 (CR 6316-14-1-1-1-1) (CR 3856-44-22-2-1-11-1-1-1/NJ 276/F 13)	6148* (95)	-	5251*# (93)	-	-	-	MS/60.9/27.63/72/4 DFF 95 beyond the range for ETP trial hence not promoted
IET 32433 (BRR 0289-IR 143510-75-16-16-868-43-46) (MTU 1010/AUS 295::IRGC 29083)	6191* (97)	5245* (92)	5156*# (94)	-	-	6130* (91)	MS/52/25.81/50/4 Not promoted due to Low HRR
IET 32396 (SVR 24-25) (SVT 22/PR 126)	-	5373*# (90)	-	6130* (91)	-	6107* (89)	LB/55/21.3/47.2/4 Promoted in Z III, V, VII
IET 32402 (NVSR-1310) (IET-23998/NAUR-1)	-	5334*# (93)	5118*# (92)	5969* (90)	5547* (93)	6029* (93)	MS/55/22.46/69/3 Promoted in Z III, IV, V, VI and VII
IET 32427 (NDR 2023-3-CP-18-1) (HKL-47/Pusa Sundha 5)	-	5304*# (89)	-	-	-	-	SB/56.5/27.74/65/4 Promoted in Z III
IET 32399 (KNM 16057) (IRTON 117/Pusa 44//KNM 118)	-	-	-	6080* (90)	-	-	LS/42.5/26.84/48/7 Not promoted due to Low HRR
IET 32378 (NVSR-1307) (IET-23998/IET-24021)	-	-	-	-	5911*# (95)	-	LB/55.4/21.61/76/3 DFF 95 beyond the range for ETP trial hence not promoted
IET 32395 (JGL 42646) (JGL 24423/IR04A-216)	-	-	-	-	-	5964* (92)	LS/57.7/23.2/67/4 Promoted in Z VII
CO-51 (NC)	4575	4283	4428	4899	4016	4980	
Zonal check (ZC)	5403	5055	4136	4498	4754	4867	
Local Check (LC)	5622	4922	4033	5271	4499	5669	
HRI 174 (HC)	6657	5092	4660	6162	5255	6116	
CD	364	177	446	579	516	255	
BC+CD	5986	5232	4874	5850	5270	5924	
HC+CD	7021	5269	5106	6641	5771	6371	

*Figures in parantheses refer to Days to 50% flowering in respective zone.

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Three year's performance of the entries IET 31436 (H), IET 30637, IET 31501 and IET 30651: Four entries completed three years of testing with required significant yield advantage over the checks. Yield performance across three years in various zones for these entries is given in the following table. IET 31436 (H) was found promising for Z II and III, and IET 30637 found promising for Z IV with acceptable grain quality.

Three-year performance of the entries in third year of testing (IET 31436 (H), IET 30637, IET 31501, IET 30651) during Kharif 2023, 2024 & 2025 Zone II, III & VI

Entry	Year	Z II	Z III	Z IV	Z V	Z VI	Z VII	Remarks
IET 31436 (H) VNR-234/Hybrid	2023	8959*#	6636*#	4470	6432	6270*#	7784	Promising for Z II and III Recorded acceptable grain quality parameters
	2024	6945*#	5502*#	5354*	5236	5873*	6269	
	2025	5934	5458*#	-	-	-	-	
IET 30637, CR4075-1341-3-3-2-2-1-4-3 (Jaya/PKV HMT)	2022	5532	4453	8482*	3900	4824	6074	Promising for Z IV Recorded acceptable grain quality parameters
	2024	-	-	4807*	-	-	-	
	2025	-	-	4481	-	-	-	
IET 31501 JGL 41255 (JGL 244423 / IR 09-251)	2023	5807	4963	-	6262	4646	6436	Not promising for any zone
	2024	6129*	5153*	4807*	5135	5699*	6704*	
	2025	-	-	-	-	-	5827	
IET 30651 RCPR 94-IR97030-7-2-2-2 (IR09L337 / IR10L178)	2022	5474	5779*	4755	4276	4432	6214	Not promising for any zone
	2024	5069	-	4114	-	-	-	
	2025	-	4816	-	-	-	-	

SUMMARY

ADVANCE VARIETY TRIAL 2&1 EARLY TRANSPLANTED (AVT 2&1 - E TP)

Locations: 47

Test entries: 23

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern) Luit (North Eastern), Sahbhagi Dhan (Central & Western), MTU 1153 (Southern)- Zonal; US 314 (Hybrid) and local check

List of the entries performed superior in AVT2-ETP:

IET 31436 (H) -VNR-234/Hybrid: Found promising for Z II and III, and also recorded acceptable grain quality parameters.

IET 30637 - CR4075-1341-3-3-2-2-1-4-3 (Jaya/PKV HMT): Found promising for Z IV and also recorded acceptable grain quality parameters.

List of the entries promoted from AVT 1 – E TP to AVT 2 – E TP

Zone II: IET 32387	Zone V: IET 32387, IET 32402, IET 32396
Zone III: IET 32427, IET 32402, IET 32396	Zone VI: IET 32402
Zone IV: IET 32402	Zone VII: IET 32395, IET 32396

Table No. 1.1: Compositions of entries in Advance Variety Trial – Early – Transplanted (AVT – 2 & 1 – E TP) Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zones	GT
3301	31436 (H)*	VNR-234	Hybrid	II,III	LS
3302	30637*	CR4075-1341-3-3-2-2-1-4-3	Jaya/PKV HMT	IV	MS
3303	31501*	JGL 41255	JGL 244423 / IR 09-251	VII	LS
3304	30651 *	RCPR 94-IR97030-7-2-2-2	IR09L337 / IR10L178	III	LS
3305	32378	NVSR-1307	IET-23998/IET-24021	II,III,IV, V,VI,VII	LB
3306	32387	WGL-1868	RNR 15048/WGL 1145	II,III,IV, V,VI,VII	LS
3307	CO51 (National Check)				
3308	32393	IR 17A3030	IR 110611-B-B-B-25-1/IR12N234	II,III,IV, V,VI,VII	LB
3309	32394	CR 6316-14-1-1-1-1	CR 3856-44-22-2-1-11-1-1-1/NJ 276//F 13 (Hybrid)	II,III,IV, V,VI,VII	MS
3310	32395	JGL 42646	JGL 24423/IR04A-216	VII	LB
3311	32396	SVR 24-25	SVT 22/PR 126	II,III,IV, V,VI,VII	LS
3312	32399	KNM 16057	IRTON 117/Pusa 44//KNM 118	V	LS
3313	32402	NVSR-1310	IET-23998/NAUR-1	II,III,IV, V,VI,VII	MS
3314	PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sabhagi Dhan (Central and Western) MTU 1153 (Southern) (ZC)				
3315	32406	SYE-1202-25-48-17-11-16-12	MTU-1010/JGL-13571	VII	MS
3316	32420	TM 13367	IET 19577/BPT 5205	V	MS
3317	32421	ORJ 1319	Swarna/IRGC27502//MTU1081	VII	LS
3318	32427	NDR 2023-3-CP-18-1	HKL-47/Pusa Sundha 5	II,III,IV, V,VI,VII	SB
3319	32430	ORJ 1350	IR10M300/IR10M342	VII	MS
3320	32433	BRR 0289-IR 143510-75-16-16-868-43-46	MTU 1010/AUS 295::IRGC 29083	II,III,IV, V,VI,VII	MS
3321	US 314 (Hybrid Check)				
3322	33002 (H)	Indam 200-058	Hybrid	V,VI	LB
3323	33006 (H)	Pusa RH-72	Hybrid	II,V	LS
3324	30676 (H) (R)	RP 5599-240-B-7-3 (PSV-56)	Hybrid	IV	MS
3325	30687	CRR-DH64	Savatri/Pokkali	IV	LB
3326	31552 (R)	Tilkormel Mutant-12	Sel. from Til Kormel landrace	III	MS
3327	Local Check				

*3rd year testing entries

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Table No. 1.2: Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN										ZONE II - NORTHERN (5)	
		Haryana		Punjab		Rajasthan		Uttarakhand		Uttar Pradesh		Mean	
		Kaul		Ludhiana		Kota		Pantnagar		Nagina			
3301	31436 (H)*	6856	2#	3583		7188	8	7113	2*	4929	1*#	5934	5
3305	32378	6462	3#	3731		7256	7	6076	8*	4782	2*	5662	8
3306	32387	7316	1*#	6756	5	7747	1	6418	5*	4375	6	6522	2*
3307	CO51 (NC)	4576		1994		7610	3	4371		4324	8	4575	
3308	32393	3711		4046	10	6219		5570	10	4239	9	4757	
3309	32394	4733	10	7852	1*	7572	4	6384	6*	4201	10	6148	4*
3311	32396			5046	8	6847	9	6806	4*	4703	3	5850	7
3313	32402			3917		7556	5	5566		4141		5295	
3314	ZC	5004	9	5926	7	5278						5403	10
3318	32427	5269	8	4306	9	6604	10	5660	9	4326	7	5233	
3320	32433	6004	5	6571	6	7542	6	6239	7*	4596	4	6191	3*
3321	US 314 (HC)	5487	7	7528	2	7638	2	8254	1	4378	5	6657	1
3323	33006 (H)	5531	6	7000	4	5884		7064	3*	4176		5931	6
3327	LC	6411	4	7019	3	5428		5178		4075		5622	9
Experimental Mean		5613		5377		6884		6208		4403		5699	
CD(0.05)		671		564		1223		718		448		364	
CV(%)		7.06		6.25		10.59		6.86		6.04		3.8	
F val		20.71**		86.33**		4.19**		16.19**		3.03*		23.57**	
DOS		09-06-2025		02-06-2025		30-06-2025		09-06-2025		26-06-2025			
DOP		14-07-2025		02-07-2025		28-07-2025		03-07-2025		22-07-2025			
Local Check Name		HRK 49		PR126		PB-1847		Govind		NDR 97			

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (3)		Jharkhand			
		Bikramganj (Dhangain)		Patna-ICAR		Sabour		Mean		Ranchi		Hazaribagh	
3301	31436 (H)*	6130	6	4033	9	4622	3#	4928	5	5311	2	4167	
3304	30651 *	4812		4823	4*	3675		4437		3822		4333	8
3305	32378	4799		4280	7*	3509		4196		5067	4	3958	
3306	32387	6235	5	4233	8*	3854	9	4774	9	4362		4833	5
3307	CO51 (NC)	5157		3297		2998		3817		3989		4312	9
3308	32393	6111	7	3293		3949	7	4451		3467		4271	10
3309	32394	5608	10	4533	5*	4359	4#	4833	8	5778	1*	3104	
3311	32396	6395	3	3763		3942	8	4700	10	4844	9	5000	4
3313	32402	6074	8	5000	2*	3444		4839	7	5222	3	5042	3
3314	ZC									4867	8		
3318	32427	6309	4	4320	6*	4281	5	4970	3	4444	10		
3320	32433	5448		5270	1*	5020	1*#	5246	1#	4889	7	4792	7
3321	US 314 (HC)	5941	9	4923	3	3815	10	4893	6	5000	6	4833	5
3326	31552 (R)	6941	1#	3800	10	4710	2*#	5151	2	5044	5	5062	2
3327	LC	6830	2	3777		4196	6	4934	4	4067		5583	1
Experimental Mean		5914		4239		4027		4726		4678		4561	
CD(0.05)		570		405		482		346		803		694	
CV(%)		5.74		5.69		7.13		4.36		10.26		9.02	
F val		11.69**		19.87**		10.89**		10.4**		5.22**		7.03**	
DOS		03-07-2025		25-06-2025		03-07-2025				30-06-2025		09-07-2025	
DOP		08-08-2025		19-07-2025		28-07-2025				23-07-2025		02-08-2025	
Local Check Name		Sabour Kunwar		Sahbhagi Dhan		Sabour Harshit Dhan				BVD-203		CR Dhan 320	

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Jharkhand (2)		Odisha						Odisha (3)		Uttar Pradesh	
		Mean		Jeypore		Chiplima		NRRI		Mean		Masodha	
3301	31436 (H)*	4739	8	4120	10	4610	10	4157	7	4296	9	6342	2
3304	30651 *	4078		4254	9	4828	9	4863	1#	4648	6	5870	7
3305	32378	4512	10	3389		4873	8	4527	4#	4263	10	6192	3
3306	32387	4598	9	3751		3815		4650	2#	4072		5346	
3307	CO51 (NC)	4151		4091		3425		4620	3	4045		6478	1
3308	32393	3869		4358	8	6109	3#	3883	10	4783	4	6137	6
3309	32394	4441		4046		4022		4233	6	4100		5333	
3311	32396	4922	3	5150	1	4894	6	4017	9	4687	5	5837	8
3313	32402	5132	1	4451	7	6013	4#	4113	8	4859	3#	5483	10
3314	ZC	4867	5	5009	2	6282	1			5645	1	4937	
3318	32427	4444		4689	5	4037		4280	5#	4335	8	6165	4
3320	32433	4840	6	4877	4	6155	2#	3550		4861	2#	5592	9
3321	US 314 (HC)	4917	4	4926	3	4894	6	3740		4520	7	6165	4
3326	31552 (R)	5053	2	4606	6	3784		3857		4082		4855	
3327	LC	4825	7	4064		4944	5	3766		4258		4664	
Experimental Mean		4626		4385		4846		4161		4497		5693	
CD(0.05)		650		611		386		522		281		625	
CV(%)		8.4		8.32		4.76		7.47		3.73		6.57	
F val		2.76*		5.53**		49.69**		4.76**		19.92**		7.07**	
DOS				04-07-2025		24-07-2025		13-06-2025				29-06-2025	
DOP				25-07-2025		17-08-2025		29-07-2025				05-08-2025	
Local Check Name				Mahendragiri		Mandakini		CR Dhan 102				NDR 97	

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN										ZONE III - EASTERN (12)	
		Uttar Pradesh		Uttar Pradesh (2)		West Bengal				West Bengal (2)		EASTERN (12)	
		Varanasi		Mean		Hatwara		Malda		Mean		Mean	
3301	31436 (H)*	8559	1*#	7450	1*#	7090	1#	6351	3*	6721	1*#	5458	1*#
3304	30651 *	6250		6060	10*	5412	8#	4844		5128	9	4816	
3305	32378	7635	5*#	6914	4*	5800	6#	6207	7*	6004	4#	5020	9
3306	32387	4985		5166		6019	5#	7002	1*	6510	2*#	4924	10
3307	CO51 (NC)	4381		5430		4678		3973		4326		4283	
3308	32393	6946	8*	6542	6*	3467		6327	4*	4897		4860	
3309	32394	8401	3*#	6867	5*	6198	4#	5513	9	5856	6#	5094	6
3311	32396	8266	4*#	7052	3*#	6710	2#	5658	8	6184	3*#	5373	2*#
3313	32402	7305	7*	6394	9*	5467	7#	6396	2*	5931	5#	5334	3*#
3314	ZC			4937				4178		4178		5055	8
3318	32427	8529	2*#	7347	2*#	5009	10#	6280	6*	5644	7	5304	4*#
3320	32433	7440	6*	6516	7*	4866	#	5038	10	4952		5245	5*
3321	US 314 (HC)	6813	10	6489	8	3768		6287	5	5027	10	5092	7
3326	31552 (R)	6911	9	5883		5306	9#	3789		4547		4889	
3327	LC	6182		5423		6210	3	4778		5494	8	4922	
Experimental Mean		7043		6298		5428		5508		5427		5044	
CD(0.05)		739		477		1036		934		623		177	
CV(%)		6.25		4.52		11.37		10.14		6.86		2.09	
F val		25.25**		23.05**		8.34**		9.88**		13.22**		22.95**	
DOS		04-06-2025				04-07-2025		23-06-2025					
DOP		04-07-2025				28-07-2025		27-07-2025					
Local Check Name		HUR-3022				Ajit		Kanak					

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN				ZONE IV - NORTH EASTERN (2)	
		Assam		Tripura		EASTERN (2)	
		Titabar		Arundhutinagar		Mean	
3302	30637*	4067	10	4895	6	4481	
3305	32378	4936	5*	4491		4714	6
3306	32387	4778	8*	4611	10	4694	7
3307	CO51 (NC)	3434		5421	1	4428	
3308	32393	4394	9	5118	2#	4756	5
3309	32394	5404	2*	5098	3#	5251	1*#
3311	32396	4064		5056	4#	4560	10
3313	32402	5310	3*	4926	5	5118	3*#
3314	ZC	3451		4821	7	4136	
3318	32427	5168	4*	4414		4791	4
3320	32433	5603	1*#	4709	9	5156	2*#
3321	US 314 (HC)	4832	7	4488		4660	9
3324	30676 (H) (R)	4845	6*	4533		4689	8
3325	30687	3818		4761	8	4290	
3327	LC	3764		4302		4033	
Experimental Mean		4525		4776		4650	
CD(0.05)		686		454		446	
CV(%)		9.06		5.69		5.73	
F val		9.25**		3.96**		5.24**	
DOS		20-06-2025		19-06-2025			
DOP		19-07-2025		30-06-2025			
Local Check Name		Disang		CR-802			

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN	
		Tripura	
		@Lembucherra	
3302	30637*	3193	7
3305	32378	4630	1
3306	32387	2815	9
3307	CO51 (NC)	2007	
3308	32393	3407	6
3309	32394	3878	4
3311	32396	3452	5
3313	32402	2722	10
3314	ZC	2541	
3318	32427	1815	
3320	32433	1970	
3321	US 314 (HC)	2337	
3324	30676 (H) (R)	4037	2
3325	30687	3967	3
3327	LC	2922	8
Experimental Mean		3046	
CD(0.05)		326	
CV(%)		6.41	
F val		56.45**	
DOS		01-07-2025	
DOP		24-07-2025	
Local Check Name		Hakuchuk-2	

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL										ZONE V - CENTRAL (4)	
		Chhattisgarh		Maharashtra			Maharashtra (2)		Madhya Pradesh				
		Bilaspur		Sakoli		Sindewahi		Mean		Rewa		Mean	
3305	32378	5561	6	3133		4662	7	3898		7660	1*#	5254	9
3306	32387	5773	4	5778	10	5245	2	5511	5	7220	3*	6004	4*
3307	CO51 (NC)	3515		6144	6	4079		5112	10	5856		4899	
3308	32393	4409		4833		2913		3873		5915	10	4518	
3309	32394	5424	8	6944	1#	4079		5512	4	6559	5*	5752	6
3311	32396	5530	7	6556	3	4954	4	5755	3	7482	2*#	6130	2*
3312	32399	5985	2*	6478	5	5828	1*	6153	1*#	6028	9	6080	3*
3313	32402	5833	3	6500	4	5245	2	5873	2	6298	7	5969	5*
3314	ZC	4455		5833	9	3205		4519				4498	
3316	32420	5076		6000	7	4371	8	5186	8	5361		5202	10
3318	32427	5364	9	6600	2	4371	8	5486	6	6414	6*	5687	7
3320	32433	5288	10	4978		4954	4	4966		5337		5139	
3321	US 314 (HC)	7182	1	5689		4954	4	5321	7	6823	4	6162	1
3322	33002 (H)	5061		4600		4371		4486		6177	8	5052	
3323	33006 (H)	5636	5	4778		3205		3991		5346		4741	
3327	LC	5061		5978	8	4371	8	5174	9	5675		5271	8
Experimental Mean		5322		5676		4425		5051		6277		5397	
CD(0.05)		897		1212		1002		813		552		579	
CV(%)		10.11		12.81		13.57		9.65		5.25		6.43	
F val		6.65**		5.54**		5.39**		6.36**		15.73**		8.33**	
DOS		12-06-2025		23-06-2025		18-06-2025				25-07-2025			
DOP		07-07-2025		15-07-2025		05-08-2025				25-08-2025			
Local Check Name		Baster Dhan-1		PDKV Sadhana		PDKV Sadhana				JR 206			

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL			
		Chhattisgarh			
		@Jagadalpur		@Raipur	
3305	32378	5651	1	4370	8
3306	32387	3803	6	4932	2
3307	CO51 (NC)	3759	7	3467	
3308	32393	4146	4	4474	4
3309	32394	3531		3839	
3311	32396	3749	9	4425	5
3312	32399	3603		4394	6
3313	32402	4615	3	4102	
3314	ZC	3754	8		
3316	32420	3574		3813	
3318	32427	3585		4499	3
3320	32433	4038	5	4114	10
3321	US 314 (HC)	3746	10	5137	1
3322	33002 (H)	3562		3373	
3323	33006 (H)	5610	2	4372	7
3327	LC	3692		4168	9
Experimental Mean		4026		4232	
CD(0.05)		2116		1069	
CV(%)		31.52		15.11	
F val		0.87ns		1.69ns	
DOS		18-06-2025		20-06-2025	
DOP		08-07-2025		19-07-2025	
Local Check Name		Samleshwari		Bastar Dhan 1	

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Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN								ZONE VI - WESTERN (3)	
		Gujarat		Maharashtra				Maharashtra (2)		Mean	
		Vyra		Karjat		Radhanagari		Mean		Mean	
3305	32378	5764	1	5601	1#	6369	2*	5985	1*#	5911	1*#
3306	32387	4992	5	4758	7	4692	10	4725	9	4814	6
3307	CO51 (NC)	3442		3877		4728	8	4302		4016	
3308	32393	4508	8	4882	5	3391		4137		4260	
3309	32394	4103	9	3859		6387	1*	5123	3	4783	7
3311	32396	4606	7	4330	10	5882	4*	5106	4	4939	5
3313	32402	4788	6	5601	2#	6252	3*	5926	2*#	5547	2*
3314	ZC	5164	3	4806	6	4290		4548	10	4754	8
3318	32427	4019		4342	9	5161	6	4752	7	4507	9
3320	32433	4992	4	5145	3	4870	7	5008	5	5003	4
3321	US 314 (HC)	5763	2	4604	8	5400	5	5002	6	5255	3
3322	33002 (H)	3693		4113		4725	9	4419		4177	
3327	LC	4040	10	5108	4	4348		4728	8	4499	10
Experimental Mean		4606		4694		5115		4905		4805	
CD(0.05)		1066		800		1039		682		516	
CV(%)		13.74		10.11		12.06		8.26		6.38	
F val		4.02**		4.49**		6.53**		5.67**		9.41**	
DOS		18-06-2025		13-06-2025		09-06-2025					
DOP		19-07-2025		08-07-2025		04-07-2025					
Local Check Name		GR 24		Karjat 7		Phule Radha					

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET NO	ZONE VI - WESTERN	
		Gujarat	
		@Nawagam	
3305	32378	4193	2
3306	32387	3638	3
3307	CO51 (NC)	2825	9
3308	32393	3448	4
3309	32394	4294	1
3311	32396	2386	
3313	32402	3444	5
3314	ZC	2382	
3318	32427	2765	10
3320	32433	2632	
3321	US 314 (HC)	3033	8
3322	33002 (H)	3393	6
3327	LC	3367	7
Experimental Mean		3215	
CD(0.05)		463	
CV(%)		8.55	
F val		15.1**	
DOS		12-06-2025	
DOP		01-08-2025	
Local Check Name		GR 24	

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Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Andhra Pradesh		Karnataka								Karnataka (4)	
		Maruteru		Mugad		Mandya		Gangavati		Brahmavar		Mean	
3303	31501*	5434	5	6610	3	6626	3#	10099	1*#	4306	2	6910	1*#
3305	32378	4583		6866	2	5879	7	9280	5	3939	10	6491	3*
3306	32387	5064	8	5023		5668	9	9020	7	4082	6	5948	9
3307	CO51 (NC)	4241		5244		5899	5	6941		4230	4	5579	
3308	32393	5217	7	4872		2929		8118		4007	8	4981	
3309	32394	4329		5929	8	5951	4#	6251		3977	9	5527	
3310	32395	6514	2*#	5974	6	5882	6	8808	8	3927		6148	7*
3311	32396	5027	9	5081		6785	2*#	8477	9	4785	1#	6282	6*
3313	32402	6677	1*#	5581	10	5720	8	8456	10			6586	2*
3314	ZC			6315	4	4600				3144		4686	
3315	32406	4248		4607		3042		5412		3110		4043	
3317	32421	5379	6	5697	9	4401		9310	4	2967		5594	
3318	32427	4990	10	5247		5166	10	9677	2	3902		5998	8
3319	32430			5930	7					3678		4804	
3320	32433	4583		6244	5	6794	1*#	8426		4306	2	6442	4*
3321	US 314 (HC)	5664	4	6983	1	5045		9128	6	4082	6	6310	5
3327	LC	5681	3	4431		4857		9319	3	4230	4	5709	10
Experimental Mean		5175		5684		5328		8448		3917		5767	
CD(0.05)		512		760		874		743		664		379	
CV(%)		5.91		8.04		9.83		5.26		10.17		3.95	
F val		18.01**		8.48**		14.75**		25.82**		4.44**		34.52**	
DOS		07-06-2025		17-06-2025		13-08-2025		07-04-2025		29-06-2025			
DOP		28-07-2025		18-07-2025		11-09-2025		28-07-2025		31-07-2025			
Local Check Name		MTU 1156		MGD-101		RNR-15048		GNV 10-89		MO-21			

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Kerala				Kerala (2)		Telangana					
		Monocompu		Pattambi		Mean		Jagtial		Kampasagar		Kumaram	
3303	31501*	4933		3684		4309		5698	7*	6197	6	3570	
3305	32378	6400	7*	3787	10	5093	9	4715		5076		4122	8
3306	32387	5356		4997	2#	5176	8	6427	2*	4990		3583	10
3307	CO51 (NC)	4667		4500	4	4583		3383		4124		3169	
3308	32393	8385	1*#	4574	3#	6479	1*#	5702	6*	4683		3163	
3309	32394	8156	2*#	4461	5#	6308	2*#	4630		5149	10	5303	4
3310	32395	3304		3647		3475		6435	1*	6844	4#	6338	1*
3311	32396	7489	3*	3821	7	5655	3	5691	8*	7057	2*#	5871	3
3313	32402	5889	10*	3651		4770		5475	10	6387	5	5221	6
3314	ZC			4036	6	4036		4734					
3315	32406	6356	8*	3441		4898		6057	3*	6895	3#	3434	
3317	32421	6933	5*	3801	9	5367	5	5764	5*	5403	9		
3318	32427	6844	6*	3810	8	5327	6	4950		5124		3731	9
3319	32430												
3320	32433	6052	9*	3759		4905	10	5656	9*	7187	1*#	5256	5
3321	US 314 (HC)	7222	4	3371		5297	7	6022	4	5587	8	6102	2
3327	LC	4711		6195	1	5453	4	4317		6083	7	5050	7
Experimental Mean		6180		4096		5071		5353		5786		4565	
CD(0.05)		702		1014		657		800		894		1001	
CV(%)		6.8		14.84		7.77		8.96		9.24		13.07	
F val		33.67**		4.18**		11.33**		8.98**		9.52**		10.98**	
DOS		08-06-2025						17-06-2025		07-03-2025		23-06-2025	
DOP		19-08-2025						07-10-2025		08-06-2025		17-07-2025	
Local Check Name		Kanchana						MTU 1010		KNM-118		MTU 1010	

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (14)	
		Telangana		Telangana (4)		Tamil Nadu						Tamil Nadu (3)		Mean	
		Warangal		Mean		Tirur		Adutrai		Coimbatore		Mean		Mean	
3303	31501*	8014	4*	5870	7	5735		4522		6151		5469		5827	7
3305	32378	7827	7	5435		5393		4422		6984	6	5600		5662	
3306	32387	8141	3*	5785	8	6040	8	4946	10	7669	3	6218	4	5786	8
3307	CO51 (NC)	6974		4413		5300		4651		6399	9	5450		4980	
3308	32393	5273		4705		5990	9	5054	4	5675		5573		5260	
3309	32394	7030	10	5528		5737		4906		5918		5520		5552	
3310	32395	7520	9	6785	1*	7125	1*	4806		6374	10	6102	8	5964	5*
3311	32396	7714	8	6583	2*	5528		5027	8	7138	5	5898	9	6107	3*
3313	32402	6780		5966	6	5742		4995	9	7803	1*	6180	5	6029	4*
3314	ZC			4734		6373	5					6373	3	4867	
3315	32406	6688		5769	9	5763	10	5215	3	6032		5670		5021	
3317	32421	7951	6*	6373	5*	6332	6	5390	1	7639	4	6453	1	5921	6
3318	32427	8653	1*	5614	10	6772	2	5040	6	6682	8	6165	6	5756	9
3319	32430													4804	
3320	32433	8215	2*	6578	3*	6380	4	5258	2	7703	2	6447	2	6130	1*
3321	US 314 (HC)	7982	5	6423	4	6692	3	5040	6	6706	7	6146	7	6116	2
3327	LC	6878		5582		6192	7	5051	5	6369		5871	10	5669	10
Experimental Mean		7443		5759		6068		4955		6749		5946		5615	
CD(0.05)		907		588		547		377		1330		481		255	
CV(%)		7.28		6.12		5.4		4.54		11.78		4.85		2.73	
F val		7.35**		12.02**		7.51**		4.13**		2.37*		4.64**		26.76**	
DOS		25-06-2025				20-06-2025		27-06-2025		24-06-2025					
DOP		23-07-2025				16-07-2025		28-07-2025		22-07-2025					
Local Check Name		MTU 1010				CO 54		ADT 56		CO 54					

Table No. 1.2 (Contd.): Grain Yield (Kg/ha) in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN	
		Puducherry	
		Kurumbapet	
3303	31501*	5111	
3305	32378	5570	6
3306	32387	5800	1
3307	CO51 (NC)	5541	7
3308	32393		
3309	32394	5024	
3310	32395	5713	2
3311	32396	5369	10
3313	32402	5197	
3314	ZC		
3315	32406	5484	8
3317	32421	5627	4
3318	32427		
3319	32430		
3320	32433	5656	3
3321	US 314 (HC)	5369	9
3327	LC	5599	5
Experimental Mean		5466	
CD(0.05)		447	
CV(%)		4.85	
F val		2.42*	
Local Check Name		08-09-2025	
DOS		12-10-2025	
DOP		ADT 53	

Table No. 1.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN															ZONE II - NORTHERN (5)		
		Haryana			Punjab			Rajasthan			Uttarakhand			Uttar Pradesh			Mean		
		Kaul			Ludhiana			Kota			Pantnagar			Nagina					
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3301	31436 (H)*	90	103	286	100	101	231	75	92	286	86	112	356	97	101	238	89	102	279
3305	32378	101	125	272	106	117	182	90	118	292	89	126	318	99	101	258	97	117	264
3306	32387	98	130	313	104	118	238	82	101	321	86	117	341	93	104	262	93	114	295
3307	CO51 (NC)	90	103	276	93	96	229	77	90	323	79	112	375	83	96	300	85	99	300
3308	32393	96	94	222	95	105	247	81	102	257	84	123	380	89	104	272	89	106	276
3309	32394	93	97	251	105	99	244	96	82	312	85	107	345	98	87	227	95	94	276
3311	32396				104	110	192	90	101	269	90	115	333	99	107	270	96	108	266
3313	32402				108	118	210	97	107	310	90	113	306	100	110	281	98	112	277
3314	ZC	103	104	226	105	103	234	94	92	220							101	100	227
3318	32427	88	117	240	98	106	266	102	88	266	85	128	370	99	108	300	94	109	289
3320	32433	91	111	273	109	114	268	96	102	316	88	118	350	102	111	244	97	111	290
3321	US 314 (HC)	100	115	256	107	118	218	92	100	317	84	118	328	101	118	254	97	114	274
3323	33006 (H)	100	115	274	104	108	196	87	101	232	87	123	265	97	109	280	95	111	249
3327	LC	90	112	293	94	103	285	92	113	275	79	96	405	90	86	275	89	102	307
Experimental Mean		95	110	265	102	108	231	89	99	285	85	116	344	95	103	266	94	107	276
Standard Error		0.35			0.75			1.11			0.64			0.32			0.34		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar									Bihar (3)		
		Bikramganj (Dhangain)			Patna-ICAR			Sabour			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3301	31436 (H)*	90	98	265	84	109	222	96	103	227	90	103	238
3304	30651 *	91	104	218	89	125	225	96	115	246	92	115	230
3305	32378	92	131	201	90	121	257	109	100	213	97	117	224
3306	32387	89	120	254	85	121	223	94	115	227	90	118	235
3307	CO51 (NC)	87	101	268	78	111	250	93	106	268	86	106	262
3308	32393	88	110	216	80	122	215	93	96	194	87	109	208
3309	32394	95	103	198	86	104	317	96	84	250	92	97	255
3311	32396	98	113	252	89	122	222	95	104	191	94	113	222
3313	32402	90	100	243	91	120	213	100	99	200	94	106	218
3314	ZC												
3318	32427	88	112	250	82	106	226	94	102	203	88	107	226
3320	32433	91	116	266	92	110	267	95	98	239	93	108	257
3321	US 314 (HC)	90	109	239	84	112	243	96	104	172	90	109	218
3326	31552 (R)	91	107	254	82	116	256	97	102	223	90	108	244
3327	LC	88	110	274	87	119	270	96	110	216	91	113	253
Experimental Mean		90	109	242	85	115	243	96	102	219	91	109	235
Standard Error		0			0.5			0.65			0.27		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Jharkhand						Jharkhand (2)			Odisha					
		Ranchi			Hazaribagh			Mean			Jeypore			Chiplima		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3301	31436 (H)*	89	110	236	91	75	261	90	92	248	89	92	180	89	110	173
3304	30651 *	86	124	203	90	95	249	88	109	226	91	90	171	86	105	227
3305	32378	90	121	192	94	80	243	92	100	218	91	92	209	94	109	214
3306	32387	85	117	192	91	81	272	88	99	232	88	75	249	86	106	217
3307	CO51 (NC)	78	112	182	88	80	366	83	96	274	83	83	258	93	116	183
3308	32393	79	111	129	86	84	269	82	97	199	93	82	168	89	109	212
3309	32394	86	101	192	95	53	240	90	77	216	81	85	204	92	110	221
3311	32396	86	110	183	92	75	266	89	92	224	79	83	241	80	97	196
3313	32402	89	121	165	93	84	232	91	102	199	93	86	159	90	110	195
3314	ZC	89	120	216				89	120	216	87	84	147	94	124	152
3318	32427	85	117	149				85	117	149	89	89	192	86	115	156
3320	32433	90	114	212	95	70	267	92	92	240	77	79	192	93	124	157
3321	US 314 (HC)	86	113	152	86	79	266	86	96	209	81	87	195	90	114	121
3326	31552 (R)	85	119	186	92	67	272	88	93	229	91	85	222	92	110	221
3327	LC	91	114	177	88	78	302	90	96	239	94	93	192	81	97	196
Experimental Mean		86	114	184	90	77	269	88	99	221	87	85	198	89	110	189
Standard Error		1.01			0.65			0.64			0.93			0.37		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha			Odisha (3)			Uttar Pradesh						Uttar Pradesh (2)		
		NRRI			Mean			Masodha			Varanasi			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3301	31436 (H)*	99	96	268	92	99	207	77	111	282	90	112	280	84	111	281
3304	30651 *	105	121	249	94	105	215	78	120	276	88	134	280	83	127	278
3305	32378	107	116	251	97	106	225	80	113	268	92	122	247	86	117	257
3306	32387	105	104	277	93	95	248	77	110	270	88	117	254	83	113	262
3307	CO51 (NC)	106	96	251	94	98	231	82	91	236	80	107	301	81	99	268
3308	32393	105	99	246	96	97	209	78	102	256	81	108	285	80	105	270
3309	32394	116	96	299	96	97	241	76	91	251	93	100	259	84	95	255
3311	32396	106	95	262	88	92	233	78	110	280	95	123	264	86	117	272
3313	32402	107	105	273	97	100	209	81	119	285	93	125	236	87	122	260
3314	ZC				90	104	150	79	101	180				79	101	180
3318	32427	109	97	233	95	100	194	80	115	270	89	123	211	84	119	240
3320	32433	115	106	293	95	103	214	76	107	199	90	115	291	83	111	245
3321	US 314 (HC)	109	110	251	93	104	189	79	110	271	90	125	206	84	118	239
3326	31552 (R)	107	97	257	97	97	233	79	107	211	88	123	241	84	115	226
3327	LC	116	123	273	97	104	220	75	86	210	90	101	325	82	94	268
Experimental Mean		108	104	263	94	100	215	78	106	249	89	116	262	83	111	253
Standard Error		0.26			0.52			0.73			0.54			0.59		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (12)		
		West Bengal						West Bengal (2)			Mean		
		Hatwara			Malda			Mean			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3301	31436 (H)*	88	115	288	82	110	468	85	113	378	89	103	262
3304	30651 *	90	145	274	91	125	363	90	135	319	90	117	248
3305	32378	90	126	257	93	119	425	92	123	341	94	112	248
3306	32387	89	124	277	89	130	472	89	127	374	89	110	265
3307	CO51 (NC)	88	116	276	81	114	180	84	115	228	86	103	252
3308	32393	85	120	253	88	146	452	87	133	353	87	107	241
3309	32394	91	105	306	96	123	447	93	114	377	92	96	265
3311	32396	88	126	303	92	127	445	90	126	374	90	107	259
3313	32402	90	124	279	95	139	462	92	131	370	93	111	245
3314	ZC				94	131	368	94	131	368	89	112	213
3318	32427	89	118	291	85	125	456	87	122	374	89	111	240
3320	32433	96	114	291	96	148	423	96	131	357	92	108	258
3321	US 314 (HC)	90	124	286	93	135	457	91	130	372	90	110	238
3326	31552 (R)	91	122	284	91	124	452	91	123	368	90	107	257
3327	LC	89	121	275	110	126	336	100	124	306	92	106	254
Experimental Mean		89	121	281	91	128	413	91	125	351	90	108	250
Standard Error		0.97			1.01			0.79			0.2		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN						ZONE IV - NORTH EASTERN (2)		
		Assam			Tripura			Mean		
		Titabar			Arundhutinagar					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3302	30637*	101	114	295	87	111	444	94	113	370
3305	32378	101	124	289	87	117	360	94	120	324
3306	32387	100	120	321	82	120	396	91	120	359
3307	CO51 (NC)	90	106	336	82	115	540	86	110	438
3308	32393	93	104	274	82	115	528	87	109	401
3309	32394	101	103	332	85	112	396	93	108	364
3311	32396	94	114	307	82	119	492	88	116	400
3313	32402	102	123	307	82	119	492	92	121	400
3314	ZC	86	110	346	83	115	480	85	112	413
3318	32427	94	112	310	82	111	408	88	111	359
3320	32433	101	115	349	86	115	516	94	115	433
3321	US 314 (HC)	100	122	263	84	115	396	92	119	330
3324	30676 (H) (R)	101	116	328	81	117	348	91	117	338
3325	30687	101	125	318	83	112	492	92	119	405
3327	LC	87	99	329	87	110	396	87	104	362
Experimental Mean		96	113	313	83	114	445	90	114	380
Standard Error		0.5			1.29			0.67		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN		
		Tripura		
		@Lembucherra		
		DFP	PH	PAN
3302	30637*	108	108	208
3305	32378	105	96	250
3306	32387	104	87	217
3307	CO51 (NC)	101	86	308
3308	32393	102	79	300
3309	32394	104	89	225
3311	32396	103	105	308
3313	32402	97	88	208
3314	ZC	98	91	217
3318	32427	100	80	233
3320	32433	100	80	275
3321	US 314 (HC)	99	87	225
3324	30676 (H) (R)	98	94	275
3325	30687	99	99	275
3327	LC	106	90	258
Experimental Mean		101	90	252

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL												ZONE V - CENTRAL (4)			
		Maharashtra						Maharashtra (2)						Madhya Pradesh			
		Bilaspur			Sakoli			Sindewahi			Mean			Rewa			
		DFF	PH	DFP	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	Mean
3305	32378	95	125	89	97	122	218	93	125	213	91	115	286	93	123	237	
3306	32387	89	121	83	89	124	236	86	126	253	91	120	265	88	123	257	
3307	CO51 (NC)	85	117	81	76	119	298	79	121	281	86	114	304	82	118	289	
3308	32393	83	120	83	76	116	224	80	120	194	89	112	268	83	118	219	
3309	32394	91	105	87	90	97	218	88	99	264	91	98	267	90	100	265	
3311	32396	92	118	94	84	124	328	89	114	314	93	118	258	91	116	296	
3312	32399	89	128	84	96	114	377	90	114	319	93	111	271	90	117	303	
3313	32402	91	135	87	88	118	348	88	120	284	93	117	320	90	123	296	
3314	ZC	88	127	83	81	106	203	82	115	230				84	119	230	
3316	32420	90	121	84	79	115	265	81	116	286	90	114	247	86	117	273	
3318	32427	91	124	89	81	111	232	85	113	272	92	112	251	88	115	265	
3320	32433	91	122	90	83	110	287	86	112	269	94	111	308	89	114	282	
3321	US 314 (HC)	91	129	88	88	113	252	88	114	279	92	114	274	90	118	277	
3322	33002 (H)	92	132	89	88	111	281	89	114	279	91	112	338	90	118	299	
3323	33006 (H)	95	128	87	85	112	266	86	116	270	92	114	276	90	118	272	
3327	LC	96	125	87	94	106	301	90	101	320	92	109	284	92	109	308	
Experimental Mean		90	123	86	85	112	253	86	115	270	91	112	281	88	117	273	
Standard Error		0		0.59				0.44			0.29			0.77			0.26

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL					
		Chattisgarh					
		@Jagadapur			@Raipur		
		DFP	PH	PAN	DFP	PH	PAN
3305	32378	87	87	245	96	111	190
3306	32387	87	81	217	93	114	200
3307	CO51 (NC)	87	67	169	93	106	207
3308	32393	88	62	182	91	98	175
3309	32394	87	58	174	95	89	207
3311	32396	105	62	174	98	115	185
3312	32399	88	78	182	94	109	220
3313	32402	89	83	234	96	120	214
3314	ZC	87	83	224			
3316	32420	87	67	167	93	111	197
3318	32427	93	69	152	97	119	172
3320	32433	88	69	167	97	114	224
3321	US 314 (HC)	87	64	212	93	107	216
3322	33002 (H)	88	74	213	95	114	207
3323	33006 (H)	93	78	250	96	122	216
3327	LC	88	64	170	97	113	217
Experimental Mean		89	71	195	94	110	203

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (3)		
		Gujarat			Maharashtra						Maharashtra (2)			Mean		
		Vyra			Karjat			Radhanagari			Mean			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3305	32378	95	128	222	90	131	228	101	114	151	96	122	189	95	124	200
3306	32387	93	121	262	84	131	235	92	92	151	88	112	193	90	115	216
3307	CO51 (NC)	89	103	255	76	107	221	86	94	210	81	100	215	84	101	228
3308	32393	83	117	252	87	124	265	87	95	199	87	110	232	86	112	239
3309	32394	88	102	237	85	96	215	95	75	206	90	85	210	89	91	219
3311	32396	93	105	236	83	115	211	101	91	161	92	103	186	92	104	203
3313	32402	94	126	220	86	129	230	100	106	199	93	118	214	93	120	216
3314	ZC	87	117	215	90	107	254	89	94	163	90	101	209	89	106	211
3318	32427	93	121	223	87	101	240	102	103	156	94	102	198	94	108	206
3320	32433	95	121	225	91	125	266	94	96	194	93	110	230	93	114	228
3321	US 314 (HC)	92	122	233	89	118	254	91	91	170	90	105	212	91	110	219
3322	33002 (H)	94	121	238	87	124	262	102	96	182	95	110	222	94	114	227
3327	LC	89	112	234	89	99	255	95	89	196	92	94	226	91	100	228
Experimental Mean		91	116	234	86	115	241	95	95	179	91	106	210	91	109	218
Standard Error		0.92			0.88			0.46			0.4			0.41		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VI - WESTERN		
		Gujarat		
		@Nawagam		
		DDF	PH	PAN
3305	32378	98	124	278
3306	32387	96	119	271
3307	CO51 (NC)	94	100	268
3308	32393	94	100	270
3309	32394	100	94	278
3311	32396	96	93	221
3313	32402	96	118	273
3314	ZC	95	110	266
3318	32427	90	123	271
3320	32433	99	118	272
3321	US 314 (HC)	97	121	276
3322	33002 (H)	95	115	279
3327	LC	97	97	272
Experimental Mean		95	110	268

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Andhra Pradesh			Karnataka								
		Maruteru			Mugad			Mandya			Gangavati		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3303	31501*	88	117	307	97	86	339	91	83	366	95	114	373
3305	32378	85	135	290	97	94	342	86	100	335	99	140	352
3306	32387	77	132	284	99	83	356	86	89	346	92	119	333
3307	CO51 (NC)	67	108	314	98	75	355	86	85	391	89	106	378
3308	32393	73	127	300	94	85	251	90	79	346	95	120	407
3309	32394	86	96	294	97	66	343	91	68	403	97	84	309
3310	32395	86	132	304	103	89	311	99	86	385	101	118	267
3311	32396	76	132	287	95	74	365	93	84	346	100	113	311
3313	32402	84	139	307	100	89	339	99	95	315	96	142	343
3314	ZC				98	88	277	90	85	354			
3315	32406	86	121	310	94	81	354	99	94	371	100	132	342
3317	32421	93	138	294	98	85	321	97	87	337	96	127	323
3318	32427	74	115	281	99	88	321	97	99	363	99	118	310
3319	32430				95	82	349						
3320	32433	84	126	287	99	74	345	92	94	380	95	115	369
3321	US 314 (HC)	73	122	300	95	91	300	85	87	352	89	110	352
3327	LC	85	122	304	98	88	377	86	89	411	94	105	356
Experimental Mean		81	124	297	97	83	332	91	87	362	95	117	341
Standard Error		0.76			3.51			0.44			0.63		

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Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka (4)			Kerala						Kerala (2)		
		Brahmavar			Mean			Monocompu			Pattambi			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3303	31501*	95	72	473	94	89	388	73	94	293	87	83	528	80	89	411
3305	32378	96	72	465	94	101	374	71	116	287	85	94	537	78	105	412
3306	32387	101	72	457	94	91	373	60	110	343	85	84	448	73	97	396
3307	CO51 (NC)	101	71	478	93	84	400	65	105	327	84	83	495	74	94	411
3308	32393	100	65	441	95	87	361	74	105	290	83	84	488	78	94	389
3309	32394	99	72	456	96	72	378	71	94	317	86	73	493	78	83	405
3310	32395	96	66	470	100	90	358	73	106	243	86	95	473	80	100	358
3311	32396	94	73	430	95	86	363	70	112	280	84	91	484	77	101	382
3313	32402				98	109	332	73	116	323	87	90	519	80	103	421
3314	ZC	93	66	420	94	80	350				88	84	497	88	84	497
3315	32406	103	72	429	99	95	374	71	116	327	85	95	510	78	106	418
3317	32421	102	63	414	98	90	349	74	111	317	86	95	502	80	103	409
3318	32427	111	72	436	102	94	358	74	110	350	83	88	519	79	99	435
3319	32430	98	75	423	96	79	386									
3320	32433	102	76	456	97	90	387	68	107	363	86	87	488	77	97	426
3321	US 314 (HC)	96	64	454	91	88	364	68	115	310	83	88	519	76	101	415
3327	LC	105	81	451	96	91	399	70	105	303	85	78	469	78	91	386
Experimental Mean		99	70	447	96	89	370	70	108	311	85	87	498	78	97	411
Standard Error		0.87			0.96			0.4			0.72			0.42		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Telangana												Telangana (4)		
		Jagtial			Kampasagar			Kunaram			Warangal			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3303	31501*	93	107	361	95	92	300	92	121	306	92	119	419	93	110	346
3305	32378	94	130	368	99	115	289	98	138	304	93	143	411	96	132	343
3306	32387	87	115	357	92	105	244	80	128	361	90	127	408	87	119	342
3307	CO51 (NC)	84	98	403	92	99	256	74	113	310	82	111	413	83	105	346
3308	32393	86	128	332	94	101	289	75	129	253	87	121	374	86	120	312
3309	32394	93	95	403	95	83	389	82	105	308	91	108	406	90	98	377
3310	32395	93	117	290	100	112	300	87	110	277	92	121	406	93	115	318
3311	32396	94	125	349	93	100	389	82	124	286	88	122	405	90	118	357
3313	32402	98	128	364	105	107	289	91	128	268	92	131	433	97	124	338
3314	ZC	90	117	340										90	117	340
3315	32406	99	126	364	97	102	389	87	122	299	93	123	437	94	118	372
3317	32421	101	122	425	94	111	344				99	129	430	98	121	400
3318	32427	89	121	320	93	104	289	81	126	301	89	113	381	88	116	323
3319	32430															
3320	32433	93	119	422	95	107	389	90	115	286	94	122	440	93	116	384
3321	US 314 (HC)	87	120	320	95	98	278	80	119	240	88	123	436	88	115	318
3327	LC	87	110	383	91	96	344	81	112	317	91	111	420	88	107	366
Experimental Mean		91	117	362	95	102	318	84	120	294	90	121	414	91	116	349
Standard Error		0.38			0.56			0.46			0.59			0.3		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (14)		
		Tamil Nadu									Tamil Nadu (3)					
		Tirur			Adutrai			Coimbatore			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3303	31501*	81	85	286	92	92	343	98	92	253	91	90	294	91	97	353
3305	32378	79	98	265	91	97	361	105	107	208	92	101	278	91	113	344
3306	32387	76	98	297	88	92	341	95	93	248	86	94	296	86	103	345
3307	CO51 (NC)	82	85	245	91	83	329	89	87	253	87	85	276	85	93	353
3308	32393	78	93	278	92	92	348	92	94	257	87	93	294	87	101	332
3309	32394	79	83	287	92	72	348	94	81	298	88	79	311	90	84	361
3310	32395	83	103	366	97	94	354	98	103	262	93	100	327	92	104	336
3311	32396	85	94	259	99	93	356	99	90	283	94	92	300	89	102	345
3313	32402	81	111	277	97	107	341	99	110	277	92	109	298	93	115	338
3314	ZC	77	104	317							77	104	317	89	91	368
3315	32406	84	107	239	91	105	366	98	107	290	91	106	298	92	107	359
3317	32421	87	117	328	92	107	341	101	101	350	93	108	340	94	107	364
3318	32427	78	98	323	90	102	383	96	106	275	88	102	327	89	104	347
3319	32430													96	79	386
3320	32433	87	104	307	97	92	343	95	97	302	93	98	317	91	102	370
3321	US 314 (HC)	85	111	342	94	92	366	89	92	305	89	98	338	86	102	348
3327	LC	89	113	299	84	83	338	95	102	315	89	100	318	89	100	363
Experimental Mean		81	100	294	92	93	350	96	97	278	89	97	308	90	100	354
Standard Error		0.52			0.78			0.49			0.35			0.37		

Table No. 1.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN		
		Puducherry		
		Kurumbapet		
		DFP	PH	PAN
3303	31501*	81	79	485
3305	32378	78	84	486
3306	32387	74	79	474
3307	CO51 (NC)	75	75	559
3308	32393			
3309	32394	82	77	582
3310	32395	83	94	528
3311	32396	78	79	538
3313	32402	79	105	611
3314	ZC			
3315	32406	83	87	590
3317	32421	79	79	558
3318	32427			
3319	32430			
3320	32433	81	87	497
3321	US 314 (HC)	81	88	528
3327	LC	87	78	676
Experimental Mean		80	83	547

Table No. 1.4: Grain quality characteristics of entries in AVT 2 & 1 – E TP, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1806	3301	31436 (H)	78.4	67.8	56.0	6.54	1.79	3.65	LS	OC	4.0	28.39	22
1807	3302	30637	78.4	69.4	55.2	5.71	2.13	2.68	MS	VOC	5.0	22.55	52
1808	3303	31501	78.5	68.0	54.2	6.30	1.97	3.19	LS	VOC	4.0	26.69	48
1809	3304	30651	76.5	66.3	57.0	6.80	2.05	3.31	LS	VOC	4.0	25.90	47
1810	3305	32378	77.1	68.6	55.4	6.29	2.24	2.80	LB	VOC	3.0	21.61	76
1811	3306	32387	80.4	69.3	58.1	6.38	2.08	3.06	LS	OC	3.0	23.67	62
1812	3307	CO - 51 (NC)	78.5	69.9	68.9	5.76	1.88	3.06	SS	A	4.0	26.34	63
1813	3308	32393	79.8	68.4	56.4	6.32	2.24	2.82	LB	OC	3.0	24.20	62
1814	3309	32394	78.8	68.7	60.9	5.69	2.07	2.74	MS	VOC	4.0	27.63	72
1815	3310	32395	78.0	67.6	57.7	6.64	2.14	3.10	LS	OC	4.0	23.20	67
1816	3311	32396	80.5	70.3	50.1	6.47	2.37	2.72	LB	F	4.0	28.57	52
1817	3312	32399	76.1	55.0	22.5	6.83	1.97	3.46	LS	VOC	7.0	26.84	48
1818	3313	32402	76.2	61.9	42.9	5.76	2.21	2.60	MS	OC	3.0	22.46	69
1819	3314	MTU-1153 (ZC)	-	-	-	-	-	-	-	-	-	-	-
1820	3315	32406	78.0	62.2	34.0	5.13	1.87	2.74	MS	VOC	3.0	24.34	47
1821	3316	32420	79.9	70.8	63.6	5.39	1.93	2.79	MS	VOC	4.0	24.81	64
1822	3317	32421	79.9	69.0	56.6	6.81	2.20	3.09	LS	A	4.0	28.3	65
1823	3318	32427	76.8	66.1	56.5	5.29	2.12	2.49	SB	VOC	4.0	27.74	65
1824	3319	32430	-	-	-	-	-	-	-	-	-	-	-
1825	3320	32433	78.8	64.0	42.4	5.58	2.06	2.70	MS	OC	4.0	25.81	50
1826	3321	US 314 (HC)	78.6	59.3	35.2	5.57	2.06	2.70	MS	VOC	4.0	22.79	51
1827	3322	33002 (H)	78.4	62.4	29.4	6.16	2.38	2.58	LB	VOC	4.0	27.07	71
1828	3323	33006(H)	77.3	59.9	27.2	7.41	1.94	3.81	LS	VOC	4.0	24.58	63
1829	3324	30676 (H)(R)	79.5	71.6	58.8	5.65	2.16	2.61	MS	OC	4.0	26.86	38
1830	3325	30687	75.6	64.8	38.8	6.29	2.32	2.71	LB	VOC	4.0	16.16	46
1831	3326	31552(R)	78.3	68.3	58.3	5.47	2.13	2.56	MS	VOC	4.0	26.57	68
1832	3327	CR DHAN-102 (LC)	-	-	-	-	-	-	-	-	-	-	-
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernel length (mm) KB: Kernel Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernel length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL – EARLY TRANSPLANTED (IVT - ETP)

Locations: 49

Test Entries: 61

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern) Luit (North Eastern), Sahbhagi dhan (Central & Western), MTU 1153 (Southern)- Zonal; Local check

Table: 2

The IVT – Early Transplanted trial was constituted with 61 test entries and 3 checks; National Check - CO 51 (NC); Zonal check (ZC) Northern-PR 124, Eastern-Narendra 97, North Eastern-Luit, Central and Western Sahbhagi dhan, Southern-MTU 1153; and a Local Check. The trial was sent to 53 locations and data was not received from four locations viz., Chiplima, Chinsurah, Bilaspur and Kathalgere. The data from 8 locations viz., Hazaribagh (F non-significant), CRRRI Cuttack (F non-significant), Prayagraj (Low Experimental Yield, 2369 kg/ha), Gerua (Low Experimental Yield, 3358 kg/ha), Jagadapur (Low expt. yield=3615 kg/ha), Brahmavar (Low expt. yield=3642 kg/ha, Rudrur (Low expt. yield=2345 kg/ha) and Kurumbapet (Based on inputs from Monitoring team) were not considered for analysis. Data from remaining 41 centers was used for analysis and entries were assessed for their yield performance. The entries are tested zone wise and hence performance of entries was discussed zone wise. National check was common across all zones and zonal checks and local checks are varying depending on zone and location.

Zones	II	III	IV	V	VI	VII
Range : Zonal mean (Kg/ha)	3932 (IET 33392) – 6850 (IET 33393)	3378 (ZC) – 6154 (IET 33404)	2703 (IET 33436) – 6451 (IET 33430)	3518 (IET 33434) – 5845 (IET 33394)	3221 (IET 33421) – 5317 (IET 33418)	4161 (IET 33425) – 6500 (IET 33418)
Location Exp Mean (Kg/ha)	4293 (LDN) – 6467 (KUL)	4055 (BBN) – 6253 (VRN)	3956 (LMB) – 5793 (TTB)	4149 (REW) – 6398 (ABP)	3802 (SHR) – 5086 (RDN)	4345 (PTB) – 6868 (WGL)
CV%	5.76 (KUL) – 12.4 (PNT)	7.01 (BKR) – 15.18 (MLD)	5.54 (TTB) – 15.35 (ARD)	10.77 (SND) – 16.91 (RPR)	11.57 (SHR) – 13.48 (KJT)	4.15 (TRR) – 15.36 (PTB)
DFF	80 (IET 33413) – 113 (IET 33418)	79 (IET 33413) – 103 (IET 33392)	90 (IET 33395) – 109 (IET 33418)	82 (IET 33413, IET 33414) – 107 (IET 33418)	84 (IET 33383) – 110 (IET 33423)	79 (IET 33414) – 103 (IET 33434)
PH (cm)	76 (IET 33419) – 148 (IET 33379)	93 (ZC) – 149 (IET 33414)	82 (IET 33384) – 137 (IET 33379)	95 (IET 33405, IET 33415) – 148 (IET 33379)	91 (IET 33422) – 148 (IET 33379)	85 (IET 33384) – 131 (IET 33379)
Pan/m ²	180 (IET 33419) – 332 (IET 33410)	224 (IET 33417) – 400 (IET 33410)	238 (IET 33408) – 558 (IET 33384)	205 (IET 33417) – 290 (IET 33433)	190 (IET 33393) – 300 (IET 33384)	283 (IET 33399) – 349 (IET 33419)
DNI (Data not included)	-	HZB and CTK (F ns), Prayagraj (LEM, 2369 kg/ha)	GER (LEM 3358 kg/ha)	JDP (LEM= 3615 kg/ha)	-	BRM (LEM 3642 kg/ha) RDR (LEM 2345 kg/ha), Kurumbapet (Monitoring)
Locations considered	5	10	3	5	5	13

Location Experimental Mean (LEM): Kg/ha and Location CV: %

Performance of the entries with required significant yield superiority over checks in IVT E TP during *kharif* 2025

IET No / Designation /Cross combination	Zonal performance-Yield (kg/ha)					Remarks Promoted in
	II	III	IV	V	VII	
33393	6850* (92)	5683* (91)	-	5675* (96)	-	Z II, III
33384	6815* (94)	-	-	-	-	Z II
33387	6522* (91)	5413* (90)	4912* (93)	-	-	Z II, III
33400	6439* (96)	5373* (87)	-	-	-	Z III
33403	6390* (94)	-	5159* (97)	-	-	-
33410	6276* (96)	-	5427* (94)	-	-	-
33396	6255* (93)	-	4779* (95)	-	-	-
33404	-	6154* (88)	-	-	-	Z III
33412	-	6060* (88)	5205* (94)	5814* (92)	-	Z III, V
33431	-	5850* (88)	5696* (97)	-	-	Z III
33394	-	5829* (85)	-	5845* (93)	-	Z III
33385	-	5682* (88)	5499* (94)	5744* (90)	-	Z III, V
33405	-	5663* (89)	-	-	-	Z III
33383	-	5635* (86)	-	-	-	Z III
33429	-	5574* (100)	5107* (99)	-	-	-
33409	-	5499* (95)	5652* (99)	-	-	-
33386	-	5463* (87)	-	-	-	Z III
33428	-	5413* (91)	-	-	-	Z III
33439	-	5413* (89)	5825* (96)	5843* (92)	-	Z III, V
33390	-	5399* (93)	-	-	-	-
33430	-	5366* (95)	6451* (103)	-	-	-
33380	-	-	6019* (94)	-	-	-
33418	-	-	5464* (109)	-	6500* (100)	-
33427	-	-	5449* (98)	-	-	-
33406	-	-	5426* (101)	-	-	-
33389	-	-	5168* (94)	-	-	-
33392	-	-	4829* (104)	-	-	-
33397	-	-	5164* (102)	-	-	-
33407	-	-	4939* (99)	-	-	-
33417	-	-	4861* (98)	-	-	-
33420	-	-	5206* (96)	-	-	-
33423	-	-	5009* (107)	-	-	-
33424	-	-	5068* (100)	-	-	-
33433	-	-	4853* (94)	-	-	-
33435	-	-	4935* (96)	-	-	-
33437	-	-	5334* (94)	-	-	-
33438	-	-	5171* (95)	-	-	-
CO-51 (NC)	5349	4101	4069	4695	4925	
Zonal check (ZC)	5708	3378	3594	4313	6122	
Local Check (LC)	5705	5012	4243	5108	5692	
CD	527	333	528	521	312	
BVC+CD	6235	5245	4771	5629	6434	

*Figures in parantheses refer to Days to 50% flowering in respective zone.

SUMMARY

INITIAL VARIETY TRIAL - EARLY TRANSPLANTED (IVT E TP)

Locations: 49

Test entries: 61

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern) Luit (North Eastern), Sahbhagi dhan (Central & Western), MTU 1153 (Southern)- Zonal; and local check

List of the entries promoted from IVT – E TP to AVT 1 – E TP

Zone II: IETs 33384, 33387, 33393

Zone III: IETs 33383, 33385, 33386, 33387, 33393, 33394, 33400, 33404, 33405, 33412, 33428, 33431, 33439

Zone IV: None

Zone V: 33385, 33412, 33439

Zone VI: None

Zone VII: None

Table No. 2.1: Composition of entries in Initial Variety Trial – Early Transplanted (IVT – E TP), Kharif 2025

Entry No.	IET No	Designation	Cross Combination	Grain type
3401	33379	TRC 2025-6	Hakuchuk1/Tripura Nirog	MB
3402	33380	NVSR-1306	IET-23998XIET-24002	LB
3403	33381	NVSR-1318	IET-24001XIET-24021	LB
3404	33382	RTN17-1812-7-2-1-56	PC-49xPC-220	LS
3405	33383	NVSR-3641	GR 7XNVSR 2110	LS
3406	33384	Faloo Dhan Mutant -2	Mutant of Labrace Floo Dhan	MS
3407	33385	IR 19A8128	IR 12A311/IRRI 174	LS
3408	33386	PUR-K-6025	Gontra Bidhan-1/BR-29	MS
3409	33387	BKR 655-TBR 4	PB 1 Mutant x GB 1	MB
3410	33388	RDR-5880	WGL1119/NLR34449	SS
3411	33389	NLR 3923	(BPT 5204 XIR 64) X BPT 5204	MS
3412	33390	NLR 3913	NLR 9674 X IET 24931	MS
3413	33391	UPR 4774-3-1-1-1	Pant Dhan 16/CSISA35	LS
3414	33392	SKL-14-03-388-15-109-165-24	IR-36 X RP Patho-01-06-05	MS
3415	33393	NP 7777	NP 9034 X NP 124-8	SB
3416	33394	NDR 2025-19-TFR-ICAR-3	Nilanchal/MTU 7029	MB
3417	33395	R 2300-377-2-261-1	Mahamaya x Bamleshwari	LB
3418	33396	R-IR 18A1068	IR 10N305 X BRRI Dhan 55	LS
3419	CO-51 (National Check)			
3420	33397	MTU 1451 (MTU 2995-30-1-1-1)	(MTU 1262/CSR27)/MTU1010	MS
3421	33398	CB 22558	CB 14533/RASI	MS
3422	33399	KJT RHR-2249	Karjat 5 / IR 64	LB
3423	33400	CRR 861-IR19A8128	IR 12A311/IRRI 174	LS
3424	33401	RCPR 102-IR 107891-B-B-1253-1-1	IR 87707-446-B-B-B/KALI AUS//IRRI 154/UPL R1 7///DULAR (ACC 32561)/IRR 148	LS
3425	33402	IR13C149	IR07F290/IR2006-P12-12-2-2	MB
3426	33403	IR24IN1031	DRR DHAN 44 x NX3533	LS
3427	33404	PAU-IRI-DQ121-L19-L1	Selection from GSR nursery	LS
3428	33405	PAU 9553-11-32-3	PR 126/PR 113//PR 126	LS
3429	33406	AD 21096	ADT 43*4/CT 9993	MS
3430	33407	AD 22067	ADT 37/ WGL 14377	MS
3431	33408	JGL 47949	JGL 24423 X MTU 1010 NIL	LS
3432	33409	KNM 16011	IR 71033 X KNM 118//IRTON 113	LS
3433	33410	KNM 16056	IRTON 117 X PUSA 44// KNM 118	LS
3434	33411	BRR-2240	IRRI-8 (Sarjoo 52 * IR18L1162)	LS
3435	33412	HURS 25-1-IR 19A8870	IRRI 154/IR 115838:6-6-2	MS
3436	33413	KMP-239	(KMP-149XIC-10)-39	MB
3437	33414	KMP-240	(KMP-149XIC-10)-4	MB
3438	33415	ANR-MG8-4-80-E-47	GSR33/Gayatri/Khusbuyya/IRLON50//	LS
3439	33416	Pusa 2150-27-24	PKF6-12-1/PKF6-56	LS
3440	33417	Pusa 2160-29-24	Pusa 44/TPJDF5-4	MS
3441	33418	ORJ-1340	IR 09M312/IR 08N956	MB

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3442	33419	ORJ 1338 (TP-30039)	IR 10L 128/IR 09N520	MB
3443	33420	WGL-1969	MTU 1010/BR-89-3812-C3	LS
3444	33421	WGL-2000	KNM 1638/WGL 1127	MS
3445	33422	OR 2567-2	OR 1509-4/China-5	MB
3446	PR 124 (Northern), Narendra 97 (Eastern), Luit (North Eastern), Sahbhagidhan (Central & Western), MTU 1153 (Southern)			
3447	33423	CR 2903-254-48-13-1	IR 20/Dandi	MB
3448	33424	CRAC-3998-62-2	Doubled Haploid of 27P63	SS
3449	33425	CR 6509-500gy-1-S-4-2-B	Satabdi mutant	LS
3450	33426	CR 6523-IR13C149	IR07F290/IR 2006-P12-12-2-2	LS
3451	33427	CR 4392-RGA-16-3-4	C767-4-2-1-1/ IET27218//N22	MS
3452	33428	CR 4629-8-1-1-1-1	CR Dhan 206/ IR 93631-28-1-2-1-3-B	SB
3453	33429	CR 6541-20-1-1-2-1	CR 3516-11-2-2-1-1-1/CR 3525-24-6-1-1-1-1	MS
3454	33430	CR 6540 -20-1-2-1-1	CR4359-1-2-1-1-4/CR3516-11-2-2-1-1-1	MB
3455	33431	RNR 35008	HKR08-01 X MTU 1001	LS
3456	33432	HKR 18-23	HKR 46 x OM 6377/OM 5240	LS
3457	33433	RP 6872-JBB 6728-PRKZ-AM2	DRR Dhan 54/IRGC 19642//DRR Dhan 44/Charongphou	LS
3458	33434	RP 6873-JBB 4418-PRKZ-AM3	Samba Mahsuri*2/IET 31110	MB
3459	33435	RP SLK S24	DRR Dhan 70/Shabhagidhan	LS
3460	33436	RP 6861-IR20LT2468	OM4218/IR 96465-B-BGY 372-103-B	LS
3461	33437	RP6425-DB-111	DRR Dhan 44/Vandana	LS
3462	33438	RP 5593-83-27-1	MTU 1010/N22	LS
3463	33439	RP 6326-242-7-1	MTU 1010/WGL 505	LS
3464	Local Check			

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Table No. 2.2: Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN										ZONE II - NORTHERN (5)		ZONE III - EASTERN	
		Haryana		Punjab		Rajasthan		Uttarakhand		Uttar Pradesh		Mean		Bihar	
		Kaul		Ludhiana		Kota		Pantnagar		Nagina				Patna-ICAR	
3401	33379	7050		2697		5120		3542		3983		4478		4388	
3402	33380	7450	9	3848		7048		5319		5412		5815		4700	
3403	33381	8200	2*	4259		6848		6338	10	5426		6214	10	5194	*
3404	33382	7400		3391		4588		4706		4688		4955		6012	*
3405	33383	7600	8	3825		7360	3	5306		6024	10	6023		6944	1*
3406	33384					6815						6815	2*		
3407	33385	8500	1*	3524		7181		6050		5911		6233	8	6269	8*
3408	33386	6150		5041		7214	10	6006		6390	2*	6160		4075	
3409	33387	7850	6	4740		6516		7706	2	5798		6522	3*	3112	
3410	33388	6700		4288		6250		5062		4501		5360		3725	
3411	33389	7200		3762		6117		5406		4461		5389		5400	*
3412	33390	7350				4987		4931		3763		5258		6800	3*
3413	33391	6950		4740		6616		5169		5844		5864		4144	
3414	33392	4600				4056		3038		4036		3932		2262	
3415	33393	8100	3*	5625	1	7314	5	6956	4	6257	5	6850	1*	5394	*
3416	33394	7200		4531		6782		6788	5	5838		6228	9	6056	*
3417	33395	7250		3148		5811		5794		4362		5273		4250	
3418	33396	8100	3*	4722		6449		6238		5765		6255	7*	4431	
3419	CO-51 (NC)	6250		2639		7174		5038		5645		5349		4419	
3420	33397	7200		4572		4721		7938	1*	4295		5745		4206	
3421	33398	5750		4271		7148		5378		4701		5449		4331	
3422	33399	6650		4265		6815		5500		4016		5449		6556	6*
3423	33400	8050	5*	4919		7048		6081		6097	8	6439	4*	4856	
3424	33401	7250		4178		6483		5638		6190	7	5948		3894	
3425	33402	5100		3964		7247	8	3800		5399		5102		3925	
3426	33403	7200		5370	4	7347	4	5655		6376	3*	6390	5*	3681	
3427	33404	6150		5359	5	5918		6001		6290	4*	5944		6075	10*
3428	33405	7000		5417	3	6582		6744	6	4920		6133		6262	9*
3429	33406	6300		4045		5452		4553		3411		4752		6031	*
3430	33407	7350		4693		5652		6375	8	3617		5537		5700	*
3431	33408	7000		4126		6981		5256		3391		5351		4456	
3432	33409	7700	7	4867		5918		5456		5771		5942		6444	7*
3433	33410	7400		4803		7281	7	5312		6582	1*	6276	6*	6650	5*
3434	33411	7000		4716		7314	5	6025		5386		6088		3362	
3435	33412	6950		5312	6	5918		6112		5798		6018		6669	4*
3436	33413	4050		2772		5519		4056		5359		4351		3138	
3437	33414	3750		2766		6416		4038		5864		4567		3006	
3438	33415	5700		4780		6948		5850		5725		5801		4794	
3439	33416	4050		2419		5186		4850		4495		4200		4606	
3440	33417	5450		4468		6483		5556		4428		5277		4194	
3441	33418	3400				4654		7341	3	4422		4954		5494	*
3442	33419					4056						4056			
3443	33420	7450	9	4983		6350		6281		5672		6147		4000	
3444	33421	4750		4537		7387	1	5288		4548		5302		3469	
3445	33422	4450		3171		5053		5342		4721		4548		5150	*
3446	ZC	7050		4716		6449		6344	9	3983		5708		2600	
3447	33423	4700				4255		5150		3431		4384		3081	
3448	33424	6600		5197	8	4488		5500		4089		5175		3212	
3449	33425	5600		4329		5585		4356		4062		4787		3488	
3450	33426	6200		3432		6848		4994		6243	6	5543		2931	
3451	33427	6550		5087	10	4854		5981		4561		5407		5169	*
3452	33428	7150		5127	9	6981		5562		5798		6124		4769	
3453	33429	6550		5579	2	5319		6512	7	6011		5994		6819	2*
3454	33430	4700		3524		5918		5381		4089		4722		5331	*
3455	33431	6600		4589		7380	2	6158		5738		6093		5650	*
3456	33432	6000		3067		6549		5694		5844		5431		4700	
3457	33433	6400		4358		6449		6169		4169		5509		3988	
3458	33434	5200		4161		5219		4788		4109		4695		5088	
3459	33435	5950		4311		6210		4419		5705		5319		5406	*
3460	33436	5250		3223		5984		4456		5512		4885		3700	
3461	33437	6600		4896		7247	8	6162		5419		6065		4162	
3462	33438	6200		4641		6981		5888		5472		5836		6038	*
3463	33439	7350		3929		6715		5581		6057	9	5927		5694	*
3464	LC	7300		5249	7	7048		3704		5226		5705		3700	
Experimental Mean		6467		4293		6228		5526		5114		5532		4743	
CD(0.05)		745		709		1376		1370		617		527		673	
CV(%)		5.76		8.25		11.05		12.4		6.04		4.77		7.1	
F val		20.41**		10.54**		3.79**		3.87**		16.81**		13.36**		25.28**	
DOS		09-06-2025		08-06-2025		30-06-2025		14-06-2025		28-06-2025				25-06-2025	
DOP		17-07-2025		08-07-2025		30-07-2025		10-07-2025		16-07-2025				19-07-2025	
Local Check Name		HKR 49		PR 126		PB 1847		Govind		PR 124				Sahbhagi dhan	

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN													
		Bihar		Bihar (2)		Jharkhand		Odisha			Odisha (2)		Uttar Pradesh		
		Bikramganj (Dhangain)		Mean		Ranchi		Bhubaneswar		Jeypore	Mean		Masodha		
3401	33379	6254	10	5321		2805		4463	*	4987		4725		4056	
3402	33380	5813		5256		5665	3*	4835	*	3879		4357		4568	
3403	33381	4711		4952		4400	*	6198	4*	3149		4674		4056	
3404	33382	4462		5237		3850		2645		4247		3446		4229	
3405	33383	6128		6536	4*	4730	*	3719	*	4110		3915		4461	
3406	33384					4180	*			5368		5368	8*	4215	
3407	33385	5338		5804		4400	*	4711	*	5732	9	5221		5492	
3408	33386	6576	5	5326		4785	*	4587	*	4965		4776		6316	5*
3409	33387	6571	6	4842		4840	*	6074	5*	5610		5842	5*	6416	4*
3410	33388	5745		4735		4675	*	5083	*	4496		4789		6529	1*
3411	33389	5806		5603		4290	*	5207	*	3803		4505		5120	
3412	33390	5574		6187	6*	4895	*	3099		3820		3460		5199	
3413	33391	4346		4245		3630		2851		2825		2838		4521	
3414	33392	4333		3298		2970		3719	*	2303		3011		4122	
3415	33393	5619		5506		6160	2*	5207	*	5513		5360	9*	4967	
3416	33394	7148	2	6602	2*	5555	5*	4463	*	3662		4063		5771	
3417	33395	6416	8	5333		2970		3967	*	2779		3373		6316	5*
3418	33396	5075		4753		4840	*	4091	*	2812		3451		5718	
3419	CO-51 (NC)	4893		4656		3080		2727		2758		2742		4189	
3420	33397	5783		4995		4840	*	6446	2*	3074		4760		4182	
3421	33398	5454		4893		3685		2727		4487		3607		6017	9*
3422	33399	5865		6210	5*	3355		4091	*	4933		4512		5618	
3423	33400	6043		5450		5060	*	5331	10*	2723		4027		5359	
3424	33401	5707		4800		3850				2831		2831		4468	
3425	33402	4346		4135		3685		3471		3301		3386		4561	
3426	33403	5760		4721		4180	*	5207	*	2994		4100		4900	
3427	33404	6241		6158	7*	5115	*	6322	3*	5690	10	6006	2*	5512	
3428	33405	5473		5868		4455	*	3347		4500		3924		5452	
3429	33406	7462	1	6747	1*	4785	*	1736		2998		2367		6483	3*
3430	33407	5258		5479		5500	6*	3099		5019		4059		4654	
3431	33408	5654		5055		4510	*	3843	*	3026		3434		5652	
3432	33409	5806		6125	8*	3410		4587	*	5519		5053		5319	
3433	33410	5302		5976	10	3245		3223		3141		3182		4275	
3434	33411	6661	4	5012		3465		5207	*	3216		4212		4322	
3435	33412	6443	7	6556	3*	5280	9*	5455	7*	2859		4157		5918	10
3436	33413	3248		3193		2695		2893		3212		3052		4388	
3437	33414	3719		3363		2640		2603		2784		2693		4721	
3438	33415	6128		5461		6325	1*	1860		2762		2311		5239	
3439	33416	4288		4447		4840	*	1240		4496		2868		4322	
3440	33417	4553		4374		5390	7*	4711	*	3136		3924		5120	
3441	33418	5226		5360		5170	*	5207	*	5604		5405	7*	5133	
3442	33419					4620	*			6348	6	6348	1*	4787	
3443	33420	5682		4841		4235	*	4835	*	4870		4852		4854	
3444	33421	5552		4510		4125	*	4091	*	4455		4273		5499	
3445	33422	4722		4936		3850		4587	*	6933	1	5760	6*	4967	
3446	ZC	3434		3017		2200		2603		3760		3182		4315	
3447	33423	5590		4335		4455	*	5455	7*	3203		4329		5386	
3448	33424	4162		3687		5610	4*	2355		5736	8	4046		5399	
3449	33425	2660		3074		4400	*	1653		4500		3076		4920	
3450	33426	5330		4131		4455	*	3843	*	5855	7	4849		4521	
3451	33427	4323		4746		4675	*	5579	6*	4472		5025		5219	
3452	33428	4534		4652		4950	*	4855	*	5589		5222	10	6184	7*
3453	33429	4608		5714		4785	*	6694	1*	4998		5846	4*	4189	
3454	33430	4618		4975		4400	*	5455	7*	3264		4359		5452	
3455	33431	5169		5410		5335	8*	3636	*	6595	4	5116		6489	2*
3456	33432	4229		4464		4345	*	4070	*	4061		4065		4887	
3457	33433	4555		4271		4345	*	3471		6383	5	4927		5166	
3458	33434	4346		4717		3520		5083	*	6686	3	5884	3*	6170	8*
3459	33435	5803		5605		4290	*	4091	*	4887		4489		4920	
3460	33436	4772		4236		3025		2231		4716		3474		4189	
3461	33437	5593		4878		5225	10*	3347		4829		4088		4342	
3462	33438	5176		5607		4785	*	3099		4275		3687		4056	
3463	33439	6386	9	6040	9	4675	*	3719	*	2790		3255		5186	
3464	LC	6965	3	5332		2255		2355		6913	2	4634		4621	
Experimental Mean		5314		5028		4324		4055		4301		4196		5056	
CD(0.05)		1187		714		835		869		626		594		1386	
CV(%)		11.17		7.1		9.66		10.71		7.29		7.08		13.72	
F val		5.22**		11.92**		9.59**		17.71**		31.99**		21.36**		2.14**	
DOS		03-07-2025				07-06-2025		29-07-2025		04-07-2025				29-06-2025	
DOP		08-08-2025				08-07-2025		25-08-2025		26-07-2025				05-08-2025	
Local Check Name		Sabour harshit				HUR-3022		Khandagiri		Mahendragiri				NDR 97	

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											ZONE III - EASTERN (10)	
		Uttar Pradesh		Uttar Pradesh (2)		West Bengal					West Bengal (3)		Mean	
		Varanasi		Mean		Malda		Bankura		Hatwara		Mean		
3401	33379	5521		4789		5258		4275		5143		4892		4715
3402	33380	6062		5315		5308		4442		6205		5318		5148
3403	33381	6486		5271		7442	3			5874		6658	1*	5279
3404	33382	5666		4947		4467		4317		5333		4706		4523
3405	33383	11361	1*	7911	1*	4483		4692	10	5724		4966		5635
3406	33384			4215		4458		4692				4575		4583
3407	33385	8398	5*	6945	7*	7525	2	3433		5523		5494		5682
3408	33386	7085		6701	9*	5108		4367		6768	4*	5414		5463
3409	33387	4855		5636		5542		4025		7083	2*	5550		5413
3410	33388	5058		5794		4492		3683		4574		4250		4806
3411	33389	5608		5364		4308				5426		4867		4996
3412	33390	7606	*	6403	*	6067		4667		6258		5664		5399
3413	33391	6197		5359		6017		3833		4905		4918		4327
3414	33392	3948		4035		3650		4417		3682		3916		3541
3415	33393	5956		5461		5967				6369	8	6168	8	5683
3416	33394	7230		6501	*	6033		6092	4*	6275		6133	9	5829
3417	33395	7712	*	7014	6*	6150		4400		5304		5285		5026
3418	33396	7143		6430	*	7342	6	6392	1*	5318		6350	3	5316
3419	CO-51 (NC)	6168		5178		3868				4810		4339		4101
3420	33397	5357		4770		5575		4583		5605		5254		4965
3421	33398	4141		5079		5758		4625		5024		5136		4625
3422	33399	7336		6477	*	6267		3883		4719		4956		5262
3423	33400	6979		6169		6950		4142		6289		5794		5373
3424	33401	6187		5328		5467		4342				4904		4593
3425	33402	2847		3704		3600				3960		3780		3744
3426	33403	5917		5409		5558				5669		5614		4874
3427	33404	7886	9*	6699	10*	6467		6067	5*	6163		6232	5	6154
3428	33405	9807	2*	7630	2*	7675	1	4408		5245		5776		5663
3429	33406	6737		6610	*	7333	7	4483		4936		5584		5298
3430	33407	5666		5160		6050		4575		6118		5581		5164
3431	33408	7008		6330	*	6950	10	4242		4260		5150		4960
3432	33409	7201		6260	*	6167		4683		5858		5569		5499
3433	33410	8282	6*	6279	*	6450		5217	7	5646		5771		5143
3434	33411	5541		4931		5500		3892		4737		4710		4590
3435	33412	8842	3*	7380	3*	6767		5000	8	7370	1*	6379	2	6060
3436	33413	3417		3903		4942		3858		4282		4361		3607
3437	33414	2886		3803		3875				4180		4027		3379
3438	33415	7761	*	6500	*	4308		4608		6148		5021		4993
3439	33416	4575		4449		3683		4658		5265		4536		4197
3440	33417	5878		5499		4775				5885		5330		4849
3441	33418	4334		4733		6100		4675		6306	10	5694		5325
3442	33419			4787		4625		6175	3*			5400		5311
3443	33420	7790	10*	6322	*	4258		3983		6524	6	4922		5103
3444	33421	4846		5172		2958		4458		5848		4421		4530
3445	33422	4102		4535		6125		3908		5986		5340		5033
3446	ZC	3002		3659		4142		4675		3046		3954		3378
3447	33423	8427	4*	6906	8*	5042		4175		5968		5062		5078
3448	33424	6400		5899		7208	8			3900		5554		4887
3449	33425	5878		5399		4950				3602		4276		4006
3450	33426	6622		5571		6342		4883	9	5689		5638		5047
3451	33427	5077		5148		4758		4342		6989	3*	5363		5060
3452	33428	8195	7*	7189	4*	5408		4367		5281		5019		5413
3453	33429	5029		4609		6458		5800	6*	6363	9	6207	6	5574
3454	33430	7500	*	6476	*	6825		4408		6411	7	5881		5366
3455	33431	7722	*	7106	5*	6383				5673		6028	10	5850
3456	33432	7558	*	6222		6542		4283		5148		5324		4982
3457	33433	4102		4634		5267				4819		5043		4677
3458	33434	4402		5286		5800		3900		4073		4591		4907
3459	33435	8031	8*	6476	*	5908		4150		5700		5253		5319
3460	33436	5946		5067		3800				5900		4850		4253
3461	33437	6380		5361		7158	9	6392	1*	5262		6271	4	5269
3462	33438	5125		4591		4450				5927		5189		4770
3463	33439	7056		6121		7350	5	4650		6621	5	6207	6	5413
3464	LC	5878		5250		7442	3	4075		5920		5812		5012
Experimental Mean		6253		5627		5608		4566		5490		5254		4969
CD(0.05)		1309		978		1701		643		844		785		333
CV(%)		10.47		8.7		15.18		7.01		7.68		7.48		3.36
F val		13.23**		8.43**		3.85**		9.21**		9.27**		5.74**		27.29**
DOS		07-06-2025				26-06-2025				04-07-2025				
DOP		08-07-2025				29-07-2025				30-07-2025				
Local Check Name		HUR 3022				Ajit		Puspa		MTU 1010				

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN								ZONE IV - NORTH EASTERN (3)		ZONE V - CENTRAL		
		Assam		Tripura		Tripura (2)		Mean		Mean		Chhattisgarh		
		Titabar		Arundhutinagar		Lembucherra						Raipur		Ambikhapur
3401	33379	7505	8*	2805		3050		2928		4453		3320		5807
3402	33380	7251	10*	4889		5917	1	5403	1*	6019	2*	5230		7760 3
3403	33381	6354	*	3958		2750		3354		4354		5994	6*	7005
3404	33382	4881		3526		4250		3888		4219		4825		5104
3405	33383	4658		3174		2472		2823		3435		4713		7760 3
3406	33384			5053		4167		4610		4610				
3407	33385	7852	7*	3784		4861		4323		5499	6*	5544	9*	6901
3408	33386	5354		3605		3306		3455		4088		5367	*	6172
3409	33387	6058	*	3679		5000	9	4339		4912	*	5278		5479
3410	33388	6482	*	3895		2083		2989		4153		4960		5807
3411	33389	6652	*	4268		4583		4426		5168	*	4487		5740
3412	33390	4060		4726		4617		4671		4468		3452		6771
3413	33391	5562		3721		4200		3961		4494		3221		7036
3414	33392	5723	*	4737		4028		4382		4829	*	1845		4948
3415	33393	6000	*	3474		2806		3140		4093		7182	1*	5417
3416	33394	5253		3000		4306		3653		4186		5173		6250
3417	33395	5136		2747		3583		3165		3822		4457		7891 1
3418	33396	7083	*	4005		3250		3628		4779	*	5257		7786 2
3419	CO-51 (NC)	4931		3632		3644		3638		4069		2864		7109
3420	33397	8122	3*	3447		3922		3685		5164	*	4302		7161 8
3421	33398	4201		3679		3089		3384		3656		3386		4297
3422	33399	5543		3600		4339		3969		4494		3382		5104
3423	33400	7003	*	3326		3172		3249		4500		4593		7146 9
3424	33401			4126		4472		4299		4299		5525	10*	6328
3425	33402	2829		4142		3972		4057		3648		3208		5891
3426	33403	6764	*	3853		4861		4357		5159	*	4273		6432
3427	33404	5385		4026		3367		3696		4259		4361		6120
3428	33405	2798		4026		3056		3541		3293		5585	8*	6276
3429	33406	7460	9*	4458		4361		4410		5426	10*	4239		5995
3430	33407	5607	*	3737		5472	2	4605		4939	*	4029		5208
3431	33408	6013	*	2763		4306		3534		4360		4613		6354
3432	33409	8357	2*	3705		4894	10	4300		5652	5*	4594		6484
3433	33410	6791	*	4905		4583		4744	10	5427	9*	4104		7109 10
3434	33411	6242	*	3758		3828		3793		4609		4600		6875
3435	33412	8076	4*	3640		3900		3770		5205	*	7074	2*	7448 7
3436	33413	2004		4253		2672		3462		2976		2352		6536
3437	33414	2614		5295	5	3750		4522		3886		2170		6562
3438	33415	6435	*	4279		3389		3834		4701		6547	3*	
3439	33416	3939		3853		2811		3332		3534		4846		6719
3440	33417	8016	5*	3400		3167		3283		4861	*	3804		5474
3441	33418	6691	*	5063	9	4639		4851	7*	5464	7*	4724		7734 5
3442	33419			2863		5306	5	4084		4084				
3443	33420	6349	*	4242		5028	8	4635		5206	*	2463		5630
3444	33421			4316		3806		4061		4061		2226		6953
3445	33422	3973		3916		2861		3388		3583		5346	*	6849
3446	ZC			4216		2972		3594		3594		3565		7057
3447	33423	7104	*	3674		4250		3962		5009	*	4450		7057
3448	33424			5553	3*	4583		5068	5*	5068	*	5798	7*	6120
3449	33425	2490		4621		3056		3838		3389		2800		5182
3450	33426	4485		3368		4444		3906		4099		5087		5391
3451	33427	6104	*	5411	4	4833		5122	4*	5449	8*	5289		6536
3452	33428	6515	*	4537		2722		3630		4591		6032	5*	6823
3453	33429	6336	*	3789		5194	7	4492		5107	*	5147		6719
3454	33430	8791	1*	5200	7	5361	4	5281	3*	6451	1*	2853		5417
3455	33431	6471	*	5200	7	5417	3	5308	2*	5696	4*	4418		7109
3456	33432	5102		3274		2917		3095		3764		4964		5026
3457	33433	5088		5637	1*	3833		4735		4853	*	4695		5859
3458	33434	5944	*	4316		2861		3588		4374		3804		6078
3459	33435	6311	*	4184		4311		4248		4935	*	4039		6781
3460	33436	2869		3158		2083		2621		2703		2385		6250
3461	33437	6367	*	5053	10	4583		4818	8	5334	*	3969		7630 6
3462	33438	5604	*	5605	2*	4306		4955	6*	5171	*	4197		6667
3463	33439	7961	6*	5263	6	4250		4757	9	5825	3*	6314	4*	6510
3464	LC	4435		3011		5283	6	4147		4243		3805		6625
Experimental Mean		5793		4069		3956		4012		4559		4405		6398
CD(0.05)		643		1248		775		693		528		1490		1383
CV(%)		5.54		15.35		9.8		8.65		5.8		16.91		10.81
F val		48.63**		2.94**		11.05**		7.27**		16.7**		5.14**		2.83**
DOS		30-06-2025		13-06-2025		02-07-2025						21-06-2025		02-07-2025
DOP		27-07-2025		28-06-2025		26-07-2025						26-07-2025		24-07-2025
Local Check Name		Disang		Gomati		Hakuchuk 2						Batsar dhan 1		Bastar dhan 1

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL										ZONE V - CENTRAL (5)		ZONE VI - WESTERN	
		Chhattisgarh (2)		Maharashtra			Maharashtra (2)		Madhya Pradesh		Mean		Gujarat		
		Mean		Sakoli		Sindewahi	Mean		Rewa				Nawagam		
3401	33379	4564		4950		4482		4716		4567		4625		4310	
3402	33380	6495	5*	4200		4307		4253		5465	9	5392		3060	
3403	33381	6499	4*	2950		5192	4	4071		4238		5076		1607	
3404	33382	4965		3000		3530		3265		4792		4250		2182	
3405	33383	6237	9	5400		3022		4211		4342		5048		4248	
3406	33384													4026	
3407	33385	6222		5400		5185	5	5292	8	5690	5*	5744	4*	4321	
3408	33386	5770		5700		4092		4896		2995		4865		3565	
3409	33387	5378		5000		4742		4871		2995		4699		2207	
3410	33388	5384		5300		3807		4553		3874		4750		5397	7*
3411	33389	5113		4500		3153		3826		4492		4474		3530	
3412	33390	5111		5050		3862		4456		3809		4589		3481	
3413	33391	5129		5550		4502		5026		4323		4927		3018	
3414	33392	3396		5700	9	3827		4763		1654		3595		3831	
3415	33393	6299	8	6050	4	4057		5053		5671	6	5675	5*	2943	
3416	33394	5711		6350	3	4788		5569	5	6662	1*	5845	1*	6450	1*
3417	33395	6174		5550		3501		4526		1161		4512		4412	
3418	33396	6521	3*	5500		4793		5146	10	4089		5485	9	2812	
3419	CO-51 (NC)	4987		4350		4287		4318		4867		4695		3019	
3420	33397	5732		4300		4032		4166		3414		4642		4663	
3421	33398	3841		3100		3142		3121		3893		3564		4259	
3422	33399	4243		4050		4692		4371		3949		4235		4994	10
3423	33400	5869		3650		5287	2	4468		4717		5078		4655	
3424	33401	5927		5700		4402		5051		3929		5177		3578	
3425	33402	4549		4200		3523		3861		3519		4068		3925	
3426	33403	5353				4852		4852		4867		5106		4461	
3427	33404	5240		5650		3192		4421		3369		4538		5508	6*
3428	33405	5931		5700		3602		4651		4717		5176		5662	4*
3429	33406	5117		2400		4872		3636		2995		4100		4577	
3430	33407	4619		4850		4084		4467		4193		4473		3631	
3431	33408	5484		6000	5	3967		4983		5091		5205		5560	5*
3432	33409	5539		5700	9	5668	1	5684	3	5566	7	5603	6	5374	8
3433	33410	5607		5100		4347		4723		4792		5090		3174	
3434	33411	5738		6900	1	4702		5801	1	4867		5589	7	3236	
3435	33412	7261	1*	5270		4862		5066		4417		5814	3*	4062	
3436	33413	4444		2900		2897		2899		3070		3551		3549	
3437	33414	4366		3550		2897		3224		4567		3949		3840	
3438	33415	6547	2*	3100		3937		3518		4342		4482		4144	
3439	33416	5782		3450		3523		3486		3219		4351		3296	
3440	33417	4639		4050		3977		4014		1318		3725		4329	
3441	33418	6229	10	5250		4972	8	5111		1123		4761		6383	2*
3442	33419													4750	
3443	33420	4047		5800	7	5062	7	5431	6	3038		4399		6288	3*
3444	33421	4590		5200		4032		4616		5408		4764		3255	
3445	33422	6097		3750		3202		3476		5436	10	4916		4498	
3446	ZC	5311		3800		2912		3356		4229		4313		3432	
3447	33423	5754		5150		4847		4999		4642		5229		3778	
3448	33424	5959		3000		3952		3476		5091		4792		3047	
3449	33425	3991		2700		2887		2794		4417		3597		3973	
3450	33426	5239		5000		3562		4281		5466	8	4901		4086	
3451	33427	5913		4800		4872	10	4836		4941		5288		4318	
3452	33428	6428	6*	5200		4688		4944		4342		5417	10	3544	
3453	33429	5933		6500	2	4964	9	5732	2	816		4829		2734	
3454	33430	4135		5500		4827		5164	9	1497		4019		3912	
3455	33431	5764		4650		4558		4604		4193		4986		3313	
3456	33432	4995		4300		3837		4069		4417		4509		4118	
3457	33433	5277		5000		4037		4518		3519		4622		3611	
3458	33434	4941		2850		3138		2994		1722		3518		2971	
3459	33435	5410		2850		4633		3741		5054		4672		5007	9
3460	33436	4317		5600		3378		4489		6139	4*	4750		4438	
3461	33437	5800		5450		4352		4901		6439	3*	5568	8	4216	
3462	33438	5432		6000	5	5237	3	5619	4	3809		5182		4022	
3463	33439	6412	7*	4750		5135	6	4942		6504	2*	5843	2*	4527	
3464	LC	5215		5750	8	4867		5309	7	4492		5108		4405	
Experimental Mean		5403		4737		4186		4463		4149		4770		4024	
CD(0.05)		1014		1268		902		797		811		521		992	
CV(%)		9.39		13.39		10.77		8.93		9.78		5.46		12.33	
F val		4.84**		6**		5.19**		7.15**		21.51**		10.89**		7.71**	
DOS				21-06-2025		18-06-2025				27-06-2025				12-06-2025	
DOP				16-07-2025		08-08-2025				29-07-2025				02-08-2025	
Local Check Name				PDKV Sadhana		PDKV Sadhana				JR 206				GR 24	

Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN											ZONE VI - WESTERN (5)		
		Gujarat		Gujarat (2)		Maharashtra					Maharashtra (3)		Mean		
		Vyra	Mean	Shirgaon		Radhanagari		Karjat		Mean					
3401	33379	3415		3862		4414		5659		3911		4661		4342	
3402	33380	4596		3828		6121	1*	5508		5323		5651	2*	4922	9
3403	33381	3730		2669		3457		5003		4944		4468		3748	
3404	33382	3738		2960		4342		3184		4201		3909		3529	
3405	33383	3996		4122		3045		4404		3017		3489		3742	
3406	33384			4026						6145	4	6145	1*	5086	7
3407	33385	4070		4196		4105		5381		4033		4506		4382	
3408	33386	4183		3874		5051	8	5075		3874		4667		4350	
3409	33387	4980	9	3593		2798		6059	8	4532		4463		4115	
3410	33388	3156		4277		2685		5785		4872		4447		4379	
3411	33389	4207		3868		2521		4480		4791		3931		3906	
3412	33390	3517		3499		2469		4017		3915		3467		3480	
3413	33391	4092		3555		3210		5556		3511		4092		3877	
3414	33392	4284		4058		3035		5155		4008		4066		4063	
3415	33393	3846		3395		3714		6785	4*	4782		5094		4414	
3416	33394	3919		5185	4	5885	3	5015		4800		5233	9	5214	2
3417	33395	3956		4184		4115		5299		6340	2	5251	7	4824	
3418	33396	4390		3601		4033		5317		4413		4588		4193	
3419	CO-51 (NC)	3001		3010		2531		4938		2935		3468		3285	
3420	33397	5032	8	4847	10	4599		4992		6342	1	5311	5	5125	4
3421	33398	3237		3748		2675		4185		3537		3466		3579	
3422	33399	3760		4377		5741	5	3722		5298		4920		4703	
3423	33400	4158		4407		3992		5089		4547		4543		4488	
3424	33401	4034		3806		4424		4940		3062		4142		4008	
3425	33402	2315		3120		3014		4947		3305		3755		3501	
3426	33403	3407		3934		2922		4237		3352		3504		3676	
3427	33404	4871		5190	3	3889		5588		3706		4394		4712	
3428	33405	4828		5245	2	3230		6032	9	3628		4297		4676	
3429	33406	3854		4215		2593		4985		5437	10	4338		4289	
3430	33407	4769		4200		3611		5049		3597		4085		4131	
3431	33408	4458		5009	6	6060	2	5110		2931		4700		4824	
3432	33409	4749		5061	5	3344		6325	5*	5755	8	5141		5109	5
3433	33410	4654		3914		3683		5144		6151	3	4993		4561	
3434	33411	3726		3481		3066		5940		3427		4144		3879	
3435	33412	4688		4375		3714		3678		4103		3832		4049	
3436	33413	2279		2914		3899		3536		3161		3532		3285	
3437	33414	2657		3249		3642		3470		2964		3359		3315	
3438	33415	5578	1	4861	8	4619		5050		6085	5	5251	6	5095	6
3439	33416	3638		3467		3158		4846		3489		3831		3685	
3440	33417	5306	3	4817		4084		7015	2*	5269		5456	3	5201	3
3441	33418	5473	2	5928	1*	3786		6012	10	4933		4910		5317	1
3442	33419			4750						4615		4615		4683	
3443	33420	3669		4979	7	3128		3645		3260		3344		3998	
3444	33421	2085		2670		2654		5191		2917		3587		3221	
3445	33422	3571		4034		2593		3959		3624		3392		3649	
3446	ZC	3431		3431		3272		5105		4159		4179		3880	
3447	33423	5237	4	4508		3868		6957	3*	5190		5339	4	5006	8
3448	33424	5082	6	4064		4866	9	5741		4545		5051		4656	
3449	33425	2933		3453		2613		4471		2983		3356		3395	
3450	33426	2842		3464		4177		3373		3283		3611		3552	
3451	33427	4508		4413		2737		6083	7	6066	6	4962		4742	
3452	33428	4685		4115		4681	10	5646		3842		4723		4480	
3453	33429	4868		3801		5226	6	5161		5349		5246	8	4668	
3454	33430	5041	7	4477		4578		4907		4990		4825		4686	
3455	33431	4577		3945		3519		5303		4951		4591		4333	
3456	33432	4078		4098		5833	4	5047		3495		4792		4514	
3457	33433	3508		3560		3138		5417		4583		4379		4052	
3458	33434	5179	5	4075		4342		5404		5934	7	5227	10	4766	
3459	33435	4704		4856	9	3632		6270	6	4960		4954		4915	10
3460	33436	2023		3231		3374		4036		3316		3575		3438	
3461	33437	4642		4429		3961		7037	1*	3472		4823		4666	
3462	33438	3799		3910		4300		4775		5322		4799		4444	
3463	33439	3045		3786		2778		5280		3986		4015		3923	
3464	LC	4968	10	4686		5185	7	4029		5474	9	4896		4812	
Experimental Mean		4049		4042		3802		5086		4355		4434		4274	
CD(0.05)		1062		792		880		1217		1173		681		506	
CV(%)		13.11		9.81		11.57		11.97		13.48		7.69		5.92	
F val		5.19**		5.73**		9.59**		4.35**		5.85**		7.85**		10.38**	
DOS		18-06-2025				10-06-2025		05-06-2025		20-06-2025					
DOP		05-07-2025				07-07-2025		03-07-2025		15-07-2025					
Local Check Name		GR 24				Ratnagiri 1		Phule Radha		Karjat 7					

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh		Karnataka				Karnataka (3)		Kerala						
		Maruteru		Mugad		Mandya		Gangavati		Mean		Pattambi		Monocompu		
3401	33379	4678		6611	2	6049	9	6840		6500	5	4394		3969		
3402	33380	7359	1*	5102		5864		8218	9	6395	8	4599		4557		
3403	33381	6530	5	4503		4621		7551		5558		3301		5203		
3404	33382	4871		4706		3122		4827		4218		5660	5	5000		
3405	33383	4155		4415		5944		6994		5784		4070		4514		
3406	33384			4762						4762						
3407	33385	5435		5336	9	5511		7218		6022		3559		5240		
3408	33386	5346		4595		5741		6942		5759		3798		5737		
3409	33387	6924	2	4234		6014		9378	3	6542	4	3963		7591	3	
3410	33388	4243		4882		4462		6744		5362		4840		6042		
3411	33389	4251		4339		4453		8846	4	5879		5915	3	7222	7	
3412	33390	5274		4206		5600		6481		5429		4402		5096		
3413	33391	6586	4	5630	5	5229		7276		6045		3728				
3414	33392	3873		5107		2998		6891		4999		3845		5187		
3415	33393	5684		4231		6217	6	8333	7	6261	10	3530		3296		
3416	33394	5684		4826		6711	2	7481		6339	9	4300		4626		
3417	33395	5862		5319	10	5423		7897		6213		4106		6720	10	
3418	33396	6272	7	4382		5097		7737		5739		4812		5069		
3419	CO-51 (NC)	4597		5052		6093	8	6417		5854		3850		4866		
3420		33397	5169		4529		5511		7276		5772		4772		7308	6
3421		33398	4783		4250		3889		6083		4741		3349		1848	
3422	33399	4380		4312		3536		7500		5116		4851	10	4754		
3423	33400	4638		5167		5176		6429		5591		4278		4247		
3424	33401			4709		4744		7288		5581		3928		3173		
3425	33402	4791		4562		4735		5885		5061		3808		4199		
3426	33403	4976		5372	8	5273		7449		6031		5046	9	3595		
3427	33404	4364		5228		3995		6654		5292		4276		5673		
3428	33405	4517		4371		5238		6513		5374		3439		5582		
3429	33406	4203		6118	4	3836		4712		4889		3620		4856		
3430	33407	4235		5240		3131		4205		4192		3416		5080		
3431	33408	5250		4235		4974		6237		5149		5298	6	3547		
3432	33409	5934		4303		4929		7699		5644		5152	7	6095		
3433	33410	4324		4255		5838		7724		5939		4573		6426		
3434	33411	4686		5176		4568		7936		5893		4509		6068		
3435	33412	6224	8	4752		5556		8212	10	6173		4292		6875	9	
3436	33413	4541		5053		5282		4077		4804		3780		5166		
3437	33414	4275		4313		5044		4365		4574		3574		3825		
3438	33415	5886		4305		4568		7263		5379		4204		5903		
3439	33416	4614		4307		3871		5212		4463		4817		3996		
3440	33417	5717		5145		2549		4705		4133		3972		6693		
3441	33418	4396		7096	1*	6499	4	8500	6	7365	1	5777	4	7906	2*	
3442	33419			4243						4243		6396	1*			
3443	33420	5177		6176	3	6455	5	6647		6426	7			8280	1*	
3444	33421	4050		4401		6138	7	6878		5805		4694		5524		
3445	33422	5378		4249		5591		6064		5301		3984		5230		
3446	ZC	6135	9	5551	7	6032	10	10154	1	7246	2	4795		6181		
3447	33423	5539		4861		5044		7724		5877		3856		7585	4	
3448	33424	4098		5586	6	4982		5051		5207		4741		4925		
3449	33425	4259		4254		3095		5083		4144		3971		2970		
3450	33426	4855		4251		4797		7122		5390		3728		1763		
3451	33427	5097		5104		5564		7269		5979		4286		6191		
3452	33428			4293		5750		6244		5429		5070	8	6608		
3453	33429	5475		4932		5564		7737		6078		6026	2	7057	8	
3454	33430	4042		4927		7037	1*	6026		5997		4602		2879		
3455	33431	5870		4262		5229		7596		5696		4336		4509		
3456	33432	4163		5158		4850		6756		5588		4518		2003		
3457	33433	4388		4238		3801		4596		4212		4038		4161		
3458	33434	4404		4285		4418		4782		4495		3870		5844		
3459	33435	4831		5289		4638		7205		5711		4577		4626		
3460	33436	4758		4240		2390		5532		4054		3855		3333		
3461	33437	6530	5	4727		5767		8788	5	6427	6	4040		2527		
3462	33438	4686		4933		6675	3	9404	2	7004	3	4553		4209		
3463	33439	6820	3	5283		4497		7372		5717		4598		7489	5	
3464	LC	5998	10	4120		4806		8237	8	5721		3461		5288		
Experimental Mean		5101		4819		5016		6875		5540		4345		5114		
CD(0.05)		1038		1215		777		1268		697		1334		1461		
CV(%)		10.17		12.62		7.74		9.22		6.29		15.36		14.28		
F val		5.39**		2.07**		14.38**		9.02**		9.62**		2.12**		8.78**		
DOS		06-07-2025		17-06-2025		13-08-2025		04-07-2025						28-07-2025		
DOP		29-07-2025		14-07-2025		10-09-2025		01-08-2025						11-08-2025		
Local Check Name		MTU 1156		MGD 101		RNR -15048		GNV 10-89						Kanchana		

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN													
		Kerala (2)		Telangana						Telangana (4)		Tamil Nadu			
		Mean		Kampasagar		Kunaram		Jagtial		Warangal		Mean		Tirur	
3401	33379	4182		5444		4340		4840		6931		5389		4713	
3402	33380	4578		6100		6675	1*	4791		8132		6425		5965	
3403	33381	4252		5089		5738	8	5676		7924		6107		6406	
3404	33382	5330		4833		4488		4296		4014		4408		4102	
3405	33383	4292		4744		5217		5781		7438		5795		5782	
3406	33384			4833		4123						4478			
3407	33385	4400		6711	5*	5582		5251		8701	3	6561	8	4870	
3408	33386	4767		4533		5156		5307		7861		5714		5965	
3409	33387	5777	9	4344		6050	6	7531	2*	8736	1	6666	7	6146	
3410	33388	5441		4933		3941		5830		5361		5016		7005	3*
3411	33389	6569	3*	6433	9	4783		5523		4819		5390		6810	8*
3412	33390	4749		3944		4314		5307		6979		5136		5532	
3413	33391	3728		6244		4349		4700		5076		5092		5500	
3414	33392	4516		5744		4766		4372		5278		5040		4610	
3415	33393	3413		5156		4757		6290	10	8729	2	6233		5745	
3416	33394	4463		5711		5061		6953	5	8208		6483	9	6052	
3417	33395	5413		4533		4401		6890	6	7417		5810		5366	
3418	33396	4941		5400		4905		4149		7458		5478		5658	
3419	CO-51 (NC)	4358		5378		4288		4840		3118		4406		6312	
3420		33397	6040	7	5444		4566		4428		7826		5566		6940
3421	33398	2599		4556		4236		4672		3875		4335		6526	10
3422	33399	4803		4067		4314		3271				3884		5980	
3423	33400	4262		4944		5720	9	4149		8306	9	5780		5688	
3424	33401	3551		4811				7050	4*	7431		6431	10	5532	
3425	33402	4004		5178		3819		3898		3049		3986		6360	
3426	33403	4321		5867		4670		4679		7465		5670		6615	9
3427	33404	4974		6411	10	4748		4344		7708		5803		6475	
3428	33405	4511		5800		3550		4163		7889		5351		6318	
3429	33406	4238		4889		4245		3821		6736		4923		7290	1*
3430	33407	4248		4833		4375		4756		4299		4566		5620	
3431	33408	4422		5322		6215	4	5286		7604		6107		5730	
3432	33409	5624		4567		4800		6116		6701		5546		5938	
3433	33410	5500		4767		6345	2	7824	1*	8111		6762	5	5378	
3434	33411	5289		5744		5590		4519		6632		5621		5522	
3435	33412	5584		5556		5590		4770		7639		5889		5455	
3436	33413	4473		4122		3854		3675		4674		4081		5982	
3437	33414	3699		6500	8*	3394		3863		4375		4533		5480	
3438	33415	5054		6711	5*	6198	5			8639	4	7183	1*	5820	
3439	33416	4406		4722		3828		3584		3500		3909		5630	
3440	33417	5333		6378		4427		5132		8167		6026		6912	6*
3441	33418	6842	2*	4767		5911	7	6660	7	6667		6001		7085	2*
3442	33419	6396	5	5911						7944		6928	2	5845	
3443	33420	8280	1*	5522		3646		5237		8410	7	5704		6028	
3444	33421	5109		7156	3*	5052		3257		5792		5314		4418	
3445	33422	4607		4256		4609		3940		6660		4866		5285	
3446	ZC	5488		5389		5547		5990		8438	6	6341		6075	
3447	33423	5721	10	4844		5556		5035		7792		5807		5882	
3448	33424	4833		5344		4332		5139		7303		5530		6902	7*
3449	33425	3471		4589		3420		2866		5229		4026		5646	
3450	33426	2745		5778		4314		6004		7354		5863		4672	
3451	33427	5239		6733	4*	5625		5579		7444		6345		6248	
3452	33428	5839	8	5467		4679		5579		7486		5803		4875	
3453	33429	6541	4*	7222	2*	5634	10	6625	8	8083		6891	4	5978	
3454	33430	3740		6189		4618		5907		5347		5515		5908	
3455	33431	4422		6589	7*	5417		6423	9	8507	5	6734	6	5562	
3456	33432	3261		5244		4427		5579		8222	10	5868		5835	
3457	33433	4099		5000		3637		4254		5146		4509		5808	
3458	33434	4857		6222		3316		3724		7639		5225		6955	4*
3459	33435	4602		5456		4705		5042		8403	8	5901		5142	
3460	33436	3594		4656		4679		4965		5118		4854		5730	
3461	33437	3283		4133		5365		5188		7431		5529		4955	
3462	33438	4381		6167		6276	3	5642		7590		6419		5802	
3463	33439	6043	6	7433	1*	4714		7294	3*	8215		6914	3	6020	
3464	LC	4375		5856		5530		5265		6778		5857		6000	
Experimental Mean		4760		5425		4813		5140		6868		5568		5847	
CD(0.05)		1013		599		1026		1049		1560		625		485	
CV(%)		10.65		5.53		10.66		10.2		11.36		5.62		4.15	
F val		8.02**		15.52**		4.99**		8.88**		8**		14.12**		15.24**	
DOS				03-07-2025		26-06-2025		23-06-2025		25-06-2025				20-06-2025	
DOP				10-08-2025		19-07-2025		16-07-2025		23-07-2025				16-07-2025	
Local Check Name				KNM-118		MRU 1010		MTU-1010		MTU-1010				CO 54	

Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (13)		Uttar Pradesh (3)		Maharashtra (5)	
		Tamil Nadu			Tamil Nadu (3)			Mean		Mean		Mean	
		Coimbatore		Adutrai		Mean							
3401	33379	5454		4462		4876		5287		4520		4683	
3402	33380	4732		5823	10	5507		5994	7	5347		5092	7
3403	33381	4754		5380		5514		5590		5323		4309	
3404	33382	5692		6272	4	5356		4760		4861		3651	
3405	33383	4821		4494		5033		5259		7282	1*	3778	
3406	33384			4051		4051		4442		4215		6145	1*
3407	33385	4970		3924		4588		5562		6600	6*	4821	
3408	33386	5804				5884	8	5565		6597	7*	4759	
3409	33387	5967		5253		5789		6318	2	5690		4626	
3410	33388	6801	7	6962	1*	6923	1*	5542		5363		4490	
3411	33389	4859		4430		5366		5591		5063		3889	
3412	33390	7016	3	4842		5797	10	5307		5523		3863	
3413	33391	4821		6785	2*	5702		5494		5521		4466	
3414	33392	4985		4778		4791		4803		4035		4345	
3415	33393	4888		5886	8	5506		5596		5726		5078	8
3416	33394	4725		5329		5369		5821		6280	10*	5368	3
3417	33395	4777		4272		4805		5614		6130	*	4961	
3418	33396	4970		6076	6	5568		5537		6209	*	4811	
3419	CO-51 (NC)	4531		4684		5176		4925		5334		3808	
3420	33397	5848		6392	3	6394	3	5847	10	4612		4853	
3421	33398	5342		5000		5623		4493		4953		3328	
3422	33399	6190		4367		5513		4794		5657		4701	
3423	33400	5186		4810		5228		5288		6145	*	4513	
3424	33401	5372		5316		5407		5396		5615		4506	
3425	33402	4531				5446		4568		4269		3798	
3426	33403	5923		4557		5698		5499		5731		3841	
3427	33404	6763	9	4873		6037	7	5501		6563	8*	4405	
3428	33405	4829		4051		5066		5097		6726	3*	4439	
3429	33406	6815	6	4557		6221	4	5054		5544		4057	
3430	33407	4077		3797		4498		4390		4646		4238	
3431	33408	3698		4241		4556		5203		5350		4813	
3432	33409	6778	8	5443		6053	6	5727		6097	*	5358	4
3433	33410	5751		4241		5123		5812		6380	9*	4885	
3434	33411	6443	10	5570		5845	9	5613		5083		4807	
3435	33412	4985		3797		4746		5669		6852	2*	4326	
3436	33413	4390		5253		5209		4604		4388		3279	
3437	33414	3981		4177		4546		4397		4490		3305	
3438	33415	5528		4557		5302		5798		6242	*	4558	
3439	33416	4025		5949	7	5202		4466		4464		3693	
3440	33417	4397		4266		5192		5266		5142		4879	
3441	33418	7039	1	6203	5	6775	2	6500	1*	4630		4991	10
3442	33419			4873		5359		5869	9	4787		4615	
3443	33420	6317		4241		5528		6011	6	6105	*	4179	
3444	33421	7024	2	5886	8	5776		5405		4964		3999	
3445	33422	4189		5823		5099		5020		4597		3425	
3446	ZC	4740		4557		5124		6122	5	3767		3850	
3447	33423	4278		5222		5127		5632		5748		5203	5
3448	33424	3943		4873		5240		5171		5296		4421	
3449	33425	4182		4525		4784		4161		4954		3131	
3450	33426	6116		5506		5432		5097		5795		3879	
3451	33427	3876		5703		5276		5748		4953		4912	
3452	33428	6994	5	4747		5539		5649		6725	4*	4811	
3453	33429			4430		5204		6230	3	5076		5440	2
3454	33430	4390		5513		5270		5183		5680		4961	
3455	33431	4948		5582		5364		5756		6650	5*	4596	
3456	33432	5766		5728		5776		5250		6096	*	4503	
3457	33433	4501		5089		5133		4512		4479		4435	
3458	33434	3876		4829		5220		4936		4894		4333	
3459	33435	6220		4899		5420		5464		6219	*	4469	
3460	33436	4568		4652		4983		4498		5216		3941	
3461	33437	6391		5133		5493		5460		5380		4854	
3462	33438	6220		5266		5763		5956	8	4884		5127	6
3463	33439	6213		4310		5514		6174	4	6100	*	4386	
3464	LC	7016	3	5639		6219	5	5692		5242		5061	9
Experimental Mean		5315		5035		5389		5359		5450		4454	
CD(0.05)		1359		1139		589		312		720		484	
CV(%)		12.78		11.31		5.47		2.92		6.61		5.43	
F val		4.19**		3.36**		6.07**		23.41**		9.51**		12.02**	
DOS		20-06-2025		27-06-2025									
DOP		18-07-2025		28-07-2025									
Local Check Name		CO 54		ADT 57									

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Table No. 2.2 (Contd.): Grain Yield (kg/ha) in IVT – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN						ZONE IV - NORTH EASTERN		ZONE V - CENTRAL		ZONE VII - SOUTHERN	
		Jharkhand		Odisha		Uttar Pradesh		Assam		Chhattisgarh		Karnataka	
		@Hazaribagh		@NRRI		@Prayagraj		@Gerua		@Jagadapur		@Brahmavar	@Rudrur
3401	33379	4142		4779		2170		3361		3675		3592	1722
3402	33380	5179		5871	3	1724		3903		3225		3832	1889
3403	33381	5250	6	6098	1	2177		4056		3369		3718	1389
3404	33382	5208	8	5013		2242		3087		3156		3182	1500
3405	33383	3733		4533		2053		4534	10	3712		4141	8 1056
3406	33384	3208				3012				4950	2	3845	
3407	33385	4317		5057		3014		472		3625		3592	1111
3408	33386	5250	6	4564		2189		4496		3081		4968	1 1056
3409	33387	4025		5833	6	3071		3756		3162		3996	2056
3410	33388	3383		5726	10	1916		2870		3362		3403	5056 4
3411	33389	5088		4785		1907		3582		3125		3933	1556
3412	33390	4142		5246		2297		2915		4625	5	4268	7 5667 3
3413	33391	4025		5448		1677		3929		4241	8	3327	4222 6
3414	33392	4142		5739	8	2118		1785		3481		4350	5 5000 5
3415	33393	4842		5290		1814		4598	9	3356		3668	1167
3416	33394	5192		4729		2026		1320		3359		3939	
3417	33395	4667		5107		1930		3559		3309		2879	3556
3418	33396	5075		5379		3840	3	3835		3047		3460	2056
3419	CO-51 (NC)	4550		4400		1280		1549		3966		2544	1222
3420	33397	5342	2	4779		2670		4145		3456		2973	2056
3421	33398	4958		5032		2370		1307		3434		3895	1556
3422	33399	3792		5619		3189	10	2529		3128		3769	1444
3423	33400	4492		5316		2369		4983	6	4059		3643	1722
3424	33401	4433		5423		2250		2264		3322		3876	3778 10
3425	33402	3483		4773		3331	7	1235		3266		3857	1111
3426	33403	3296		4779		2887		2417		3522		3598	3889 9
3427	33404	3850		4432		3073		4636	8	3681		3965	944
3428	33405	3733		4047		3256	8	3225		3653		3958	1111
3429	33406	4550		4545		2929		3553		4097	10	2607	2889
3430	33407	5208	9	5568		1707		3763		4094		3769	1500
3431	33408	3908		5133		1862		3339		3366		3018	2111
3432	33409	3500		4729		1639		3276		3675		3693	2778
3433	33410	4112		4962		4337	2	3634		3816		3731	5833 2
3434	33411	4667		5878	2	2814		4337		3316		3668	1722
3435	33412	4358		4785		3553	5	4133		4019		4520	3 2111
3436	33413	5192	10	4527		717		816		3312		3908	1056
3437	33414	4754		5473		639		515		3250		3902	1111
3438	33415	5283	4	5486		2981		4017		3506		3946	1167
3439	33416	5142		5284		1876		3125		3594		3838	1333
3440	33417	4842		5145		3051		3426		3200		3605	1000
3441	33418	3325		5707		2184		5529	1	4626	4	3851	6333 1
3442	33419	5358	1			1014				4325	6	3460	
3443	33420	4308		5739	8	1594		4656	7	3644		3914	2778
3444	33421	3658		5827	7	3140		2142		3966		4091	9 4000 8
3445	33422	4550		5846	5	1209		1100		3441		2677	1167
3446	ZC	5267	5	5865	4	3026		1333		3438		3914	
3447	33423	5046		5480		2403		5175	2	3169		3289	1778
3448	33424	4929		5366		1784		4172		3556		4729	2 2000
3449	33425	5046		5271		1220		3846		3331		3251	1056
3450	33426	5179		4861		1894		4237		3378		2569	2667
3451	33427	3733		5360		1870		3800		4003		3939	1444
3452	33428	5175		4697		1861		3929		3381		4078	10 1889
3453	33429	4517		4186		1253		5070	3	3197		4438	4 2167
3454	33430	4346		4514		2473		5032	4	3344		3112	2000
3455	33431	4592		5076		1692		4094		4834	3	3056	4222 6
3456	33432	4667		4545		2537		3644		3503		3630	1056
3457	33433	4258		4830		4926	1	3654		3366		3327	2722
3458	33434	4783		5044		2337		3673		3231		4009	2778
3459	33435	4958		4880		2192		3195		4131	9	2620	3333
3460	33436	3558		5063		3337	6	2245		3131		2450	2111
3461	33437	4525		4489		3812	4	5020	5	3069		2746	2167
3462	33438	4229		4583		2273		3941		5291	1	3952	3444
3463	33439	3646		5429		2407		3803		3144		3308	
3464	LC	5292	3	5126		3200	9	2649		4291	7	4306	6 3722
Experimental Mean		4488		5114		2369		3358		3615		3642	2345
CD(0.05)		1751		1280		955		1392		1155		741	189
CV(%)		19.52		12.52		20.17		20.73		15.98		10.18	4.03
F val		1.03ns		1.14ns		6.01**		6.22**		1.48ns		4.27**	412.4**
DOS		09-07-2025		06-06-2025		08-07-2025		13-06-2025		18-06-2025		02-07-2025	18-06-2025
DOP		01-08-2025		23-07-2025		30-07-2025		18-07-2025		08-07-2025		05-08-2025	17-07-2025
Local Check Name		CR Dhan 320		CR Dhan 321		Shiats Dhan 1		Luit		Samleshwari		M0-21	MTU 1010

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Table No. 2.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN														
		Haryana			Punjab			Rajasthan			Uttarakhand			Uttar Pradesh		
		Kaul			Ludhiana			Kota			Pantnagar			Nagina		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3401	33379	104	159	312	108	138	168	96	148	240	102	172	336	100	124	270
3402	33380	94	114	325	100	108	168	98	100	318	90	116	322	87	117	224
3403	33381	92	124	352	102	115	208	90	94	308	86	119	271	90	107	228
3404	33382	96	120	317	104	112	184	103	97	211	90	114	281	92	109	286
3405	33383	89	102	328	89	96	178	86	74	328	83	102	245	80	97	208
3406	33384							94	98	296						
3407	33385	103	110	358	105	98	234	91	88	308	88	104	215	92	102	307
3408	33386	86	100	272	96	92	264	96	88	313	82	112	250	86	100	273
3409	33387	91	112	337	93	104	228	96	82	286	88	122	334	88	104	296
3410	33388	104	102	300	110	110	208	93	83	275	96	114	337	100	95	271
3411	33389	103	118	313	103	106	201	99	92	260	86	116	276	90	105	320
3412	33390	103	117	316				96	86	233	112	118	376	110	95	249
3413	33391	98	114	306	98	92	254	90	66	280	83	114	349	86	94	298
3414	33392	104	116	256				98	78	176	128	113	344	106	87	238
3415	33393	91	100	350	94	92	204	99	76	312	84	105	268	90	95	291
3416	33394	90	110	311	91	103	198	90	91	294	84	111	228	86	101	272
3417	33395	88	112	311	94	100	251	89	76	260	86	113	304	85	101	270
3418	33396	100	121	341	100	102	208	84	82	284	87	108	326	92	103	168
3419	CO-51 (NC)	87	106	264	89	96	202	91	72	304	76	104	395	82	98	276
3420	33397	100	118	310	114	116	168	108	96	262	104	124	346	110	105	258
3421	33398	94	116	240	95	95	226	86	76	308	85	108	310	80	102	258
3422	33399	96	102	288	108	106	158	94	94	294	86	111	315	100	94	226
3423	33400	102	113	331	98	98	221	95	82	270	89	109	272	96	103	200
3424	33401	96	114	306	95	108	202	98	92	260	86	105	274	85	91	301
3425	33402	88	106	233	86	93	284	84	78	318	80	102	321	80	98	213
3426	33403	102	120	310	102	105	212	92	86	322	86	111	305	86	109	268
3427	33404	91	96	255	92	94	204	91	76	266	82	100	278	86	91	246
3428	33405	93	94	303	89	84	224	96	82	272	84	88	270	88	88	269
3429	33406	100	114	278	110	94	254	96	72	247	96	115	334	100	94	204
3430	33407	99	118	317	104	104	178	98	72	250	94	122	326	94	83	214
3431	33408	96	111	305	99	96	222	94	78	294	84	101	274	84	97	274
3432	33409	100	131	322	110	115	198	98	102	268	91	125	321	98	110	344
3433	33410	101	112	316	102	103	290	102	86	318	86	102	460	90	102	278
3434	33411	96	124	302	94	104	212	97	98	323	82	115	256	86	104	222
3435	33412	100	109	301	102	97	214	102	69	266	92	109	408	92	104	262
3436	33413	86	98	231	84	82	224	90	66	260	72	102	414	70	95	204
3437	33414	86	100	222	82	86	228	97	76	266	71	99	268	70	87	258
3438	33415	100	106	250	102	105	178	88	84	284	90	119	278	97	102	254
3439	33416	92	98	230	106	88	214	83	92	238	82	102	256	86	104	212
3440	33417	100	118	244	104	108	155	96	92	276	94	118	270	100	101	285
3441	33418	100	99	210				102	100	226	120	109	348	128	96	302
3442	33419							95	76	180						
3443	33420	102	120	311	104	110	224	96	105	262	90	120	306	124	107	300
3444	33421	94	99	259	98	90	306	82	86	326	90	103	270	92	96	271
3445	33422	90	82	246	84	80	238	92	74	250	80	88	306	78	86	313
3446	ZC	96	106	302	102	88	236	98	70	274	92	94	290	91	97	254
3447	33423	102	119	233				101	98	174	113	122	315	112	96	213
3448	33424	102	109	276	112	106	294	98	84	180	102	114	329	104	88	253
3449	33425	100	108	241	104	93	224	92	76	263	94	102	258	90	87	274
3450	33426	100	136	266	100	112	270	90	91	280	84	121	306	88	109	292
3451	33427	102	119	271	102	105	204	98	87	216	94	112	311	98	106	262
3452	33428	100	116	306	108	112	194	95	90	283	96	117	406	96	108	220
3453	33429	98	111	276	108	110	174	99	89	256	107	126	290	106	93	200
3454	33430	100	120	254	119	120	248	99	104	267	108	134	286	110	107	242
3455	33431	99	113	286	102	98	185	94	84	320	90	115	317	94	112	254
3456	33432	94	109	264	88	94	168	89	80	266	86	109	265	86	105	306
3457	33433	100	100	272	101	85	250	88	72	260	89	101	280	94	94	254
3458	33434	102	108	227	114	112	202	101	89	244	102	125	298	108	98	197
3459	33435	100	112	250	105	97	238	98	90	258	90	109	340	92	105	242
3460	33436	93	128	242	86	104	204	96	88	246	80	117	260	82	102	253
3461	33437	91	118	288	92	108	218	88	82	319	84	113	282	86	104	272
3462	33438	100	114	258	96	98	250	86	90	296	89	103	288	91	98	246
3463	33439	98	109	313	104	97	221	98	82	278	92	111	448	94	92	222
3464	LC	90	118	310	94	96	228	95	98	310	74	93	385	90	90	307
Experimental Mean		96	112	285	99	101	217	94	86	271	90	111	309	92	99	257
Standard Error		0.59			1.43			1.21			1.41			0.42		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE II -			ZONE III - EASTERN											
		NORTHERN (5)			Bihar						Bihar (2)			Jharkhand		
		Mean			Patna-ICAR			Bikramganj (Dhangain)			Mean			Ranchi		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3401	33379	102	148	265	97	160	320	107	136	280	102	148	300	96	117	207
3402	33380	94	111	272	88	128	306	103	117	211	95	122	259	86	108	187
3403	33381	92	112	273	90	128	294	96	116	238	93	122	266	80	102	230
3404	33382	97	110	256	89	118	284	98	118	230	94	118	257	94	108	215
3405	33383	86	94	258	83	117	326	96	104	273	90	110	299	80	98	162
3406	33384	94	98	296										88	106	200
3407	33385	96	100	284	90	114	260	96	112	207	93	113	233	84	98	166
3408	33386	89	98	274	82	119	268	96	108	244	89	113	256	83	106	152
3409	33387	91	105	296	86	126	278	98	100	234	92	113	256	87	100	158
3410	33388	101	101	278	94	128	340	103	108	214	98	118	277	88	104	264
3411	33389	96	107	274	90	124	354	96	117	223	93	121	288	87	102	181
3412	33390	105	104	294	100	123	320	96	114	216	98	118	268	86	105	244
3413	33391	91	96	297	86	114	307	94	114	271	90	114	289	83	90	182
3414	33392	109	98	254	116	119	327	113	112	246	114	115	286	99	96	224
3415	33393	92	94	285	84	114	313	105	107	190	94	110	252	92	96	202
3416	33394	88	103	261	82	122	242	91	112	291	86	117	266	84	101	163
3417	33395	88	101	279	84	123	198	90	118	202	87	121	200	80	99	250
3418	33396	93	103	265	89	126	328	97	100	308	93	113	318	84	100	184
3419	CO-51 (NC)	85	95	288	78	112	308	90	103	275	84	107	292	80	92	198
3420	33397	107	112	269	95	124	311	106	110	308	100	117	309	94	99	200
3421	33398	88	100	268	81	110	214	85	102	308	83	106	261	82	92	159
3422	33399	97	101	256	87	122	204	98	108	248	92	116	226	88	96	178
3423	33400	96	101	259	88	118	327	90	109	217	89	114	272	83	98	240
3424	33401	92	102	269	86	142	295	86	116	275	86	129	285	80	101	171
3425	33402	84	95	274	82	112	322	83	111	302	82	111	312	78	102	264
3426	33403	94	106	283	87	116	328	90	120	316	88	118	322	84	101	240
3427	33404	88	91	250	86	106	314	91	100	339	89	103	327	83	95	229
3428	33405	90	87	268	87	112	313	91	96	276	89	104	295	88	89	235
3429	33406	101	98	264	88	116	332	98	104	276	93	110	304	86	90	199
3430	33407	98	100	257	95	118	277	94	103	275	94	110	276	84	107	227
3431	33408	92	96	274	88	106	324	89	112	274	88	109	299	82	93	164
3432	33409	100	117	290	92	124	327	102	104	310	97	114	318	96	98	197
3433	33410	96	101	332	86	119	308	92	114	309	89	117	977	86	99	210
3434	33411	91	109	263	86	116	251	89	104	281	88	110	266	86	103	206
3435	33412	98	98	290	90	108	210	90	113	302	90	111	256	84	99	239
3436	33413	80	89	266	72	120	345	80	88	320	76	104	332	76	96	254
3437	33414	82	90	248	72	132	334	81	97	282	77	114	308	70	84	160
3438	33415	95	103	249	89	124	338	97	112	248	93	118	293	88	104	258
3439	33416	90	97	230	87	114	322	91	109	326	89	112	324	92	94	236
3440	33417	99	107	246	94	118	256	108	116	316	101	117	286	98	98	125
3441	33418	113	101	272	113	122	338	113	110	298	113	116	318	94	98	192
3442	33419	95	76	180										86	98	228
3443	33420	103	112	281	93	123	310	98	119	295	96	121	302	88	105	249
3444	33421	91	95	287	89	122	252	89	107	312	89	115	282	86	82	225
3445	33422	85	82	271	79	105	334	84	92	276	82	98	305	84	89	239
3446	ZC	96	91	271	87	122	332	85	97	250	86	110	291	76	76	280
3447	33423	107	109	234	107	121	220	106	102	356	106	112	288	98	101	141
3448	33424	104	100	266	94	124	336	102	102	310	98	114	323	96	90	226
3449	33425	96	93	252	90	115	276	91	96	390	90	105	333	84	90	269
3450	33426	93	114	283	86	125	266	85	126	388	86	126	327	86	107	280
3451	33427	99	106	253	95	118	330	104	104	287	100	111	308	92	94	136
3452	33428	99	108	282	98	130	323	102	98	298	100	114	310	89	96	204
3453	33429	104	106	239	108	118	310	106	116	355	107	117	332	96	98	262
3454	33430	107	117	260	100	128	292	104	108	284	102	118	288	95	100	178
3455	33431	96	104	273	88	132	314	87	117	206	88	125	260	87	103	160
3456	33432	89	99	254	86	128	336	90	113	224	88	120	280	88	100	246
3457	33433	94	91	263	90	112	344	98	91	230	94	101	287	87	88	241
3458	33434	106	106	234	94	120	282	107	102	250	100	111	266	104	96	162
3459	33435	97	103	266	88	108	348	92	96	262	90	102	305	88	104	278
3460	33436	88	108	241	78	123	272	86	101	244	82	112	258	76	100	212
3461	33437	88	105	276	82	118	254	91	116	253	86	117	254	84	108	248
3462	33438	93	100	268	86	112	361	90	127	250	88	120	305	85	98	259
3463	33439	97	98	296	90	126	320	89	126	233	90	126	276	89	96	241
3464	LC	89	99	308	87	122	284	87	90	246	87	106	264	70	110	172
Experimental Mean		95	102	268	89	120	300	94	108	295	92	114	298	86	105	210
Standard Error		0.55			0.69			0			0.34			0.87		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha						Odisha (2)			Uttar Pradesh					
		Bhubaneswar			Jeypore			Mean			Masodha			Varanasi		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3401	33379	95	129	212	95	112	208	95	120	210	88	112	215	104	174	202
3402	33380	89	102	192	96	107	181	92	104	187	88	104	264	95	126	186
3403	33381	84	107	230	88	106	254	86	106	242	84	116	288	96	144	183
3404	33382	61	95	202	96	93	198	78	94	200	82	110	234	94	124	196
3405	33383	77	87	219	88	87	201	82	87	210	90	104	275	90	116	219
3406	33384				96	92	208	96	92	208	83	118	293			
3407	33385	84	86	182	94	87	268	89	86	225	72	122	275	90	124	208
3408	33386	85	88	178	96	89	288	90	89	233	78	104	298	90	116	178
3409	33387	86	104	218	92	94	254	89	99	236	90	106	260	98	126	220
3410	33388	91	98	206	88	88	204	90	93	206	80	108	298	96	127	221
3411	33389	91	98	205	102	93	208	96	96	206	78	110	256	94	129	237
3412	33390	84	86	200	96	90	211	90	88	206	88	106	258	106	128	238
3413	33391	84	85	226	98	79	211	91	82	218	80	122	268	90	113	235
3414	33392	82	107	218	102	90	258	92	98	238	112	120	258	108	141	269
3415	33393	91	96	231	102	96	250	96	96	240	78	106	256	90	121	198
3416	33394	85	93	223	96	96	301	90	95	262	73	112	290	90	126	194
3417	33395	94	95	196	96	90	224	95	93	210	78	108	272	90	122	218
3418	33396	91	95	248	96	93	238	94	94	243	86	119	301	106	127	197
3419	CO-51 (NC)	84	84	257	90	91	203	87	87	230	82	112	245	86	105	254
3420	33397	106	96	216	89	88	158	98	92	187	110	104	212	110	127	212
3421	33398	84	85	174	88	82	168	86	84	170	88	111	279	90	115	210
3422	33399	97	93	232	96	79	194	96	86	214	104	120	248	90	125	212
3423	33400	84	92	230	96	88	192	90	90	211	80	118	256	86	119	243
3424	33401				94	90	189	94	90	189	84	102	265	90	125	222
3425	33402	85	89	216	94	92	328	90	90	272	87	92	264	84	112	206
3426	33403	86	104	242	89	90	242	88	97	242	89	104	268	94	127	216
3427	33404	85	94	238	92	81	362	89	87	300	102	100	254	90	111	234
3428	33405	86	81	216	96	76	224	91	79	220	89	112	266	100	105	196
3429	33406	65	84	183	88	86	236	76	85	210	88	94	260	106	119	212
3430	33407	85	90	202	83	86	218	84	88	210	88	107	280	97	121	232
3431	33408	85	96	214	86	87	228	86	92	221	88	120	293	88	116	216
3432	33409	95	99	230	96	99	232	96	99	230	84	88	280	102	136	234
3433	33410	86	82	218	92	95	223	89	89	221	79	102	254	90	116	244
3434	33411	85	96	238	86	89	189	86	92	214	80	82	246	90	123	234
3435	33412	85	82	200	92	80	165	89	81	182	80	90	312	96	115	240
3436	33413	77	84	208	88	86	211	83	85	209	78	109	268	78	107	230
3437	33414	77	83	230	102	85	213	89	84	221	82	110	288	76	114	217
3438	33415	91	95	210	100	95	268	95	95	239	80	84	278	92	129	187
3439	33416	91	80	179	96	94	230	94	87	204	90	76	265	90	110	230
3440	33417	97	96	224	102	95	211	100	96	217	102	102	264	93	128	174
3441	33418	94	93	220	99	92	168	96	92	194	104	112	282	120	133	235
3442	33419				90	98	246	90	98	246	76	106	226			
3443	33420	88	97	192	95	99	218	92	98	205	73	112	268	96	134	270
3444	33421	85	94	220	96	81	338	90	87	280	84	98	267	94	111	295
3445	33422	86	90	219	94	88	322	90	89	270	86	100	293	85	109	245
3446	ZC	83	72	200	88	80	292	85	76	246	80	86	249	76	93	178
3447	33423	95	101	178	95	92	211	95	97	195	84	100	298	104	137	172
3448	33424	95	76	259	102	81	232	98	79	245	88	114	262	104	118	280
3449	33425	87	77	244	96	83	302	92	80	272	78	92	262	94	114	254
3450	33426	82	95	232	96	79	228	89	87	230	76	90	256	91	133	227
3451	33427	90	100	219	95	86	191	92	93	205	88	82	258	98	122	218
3452	33428	91	97	236	85	80	198	88	89	217	74	104	268	102	129	228
3453	33429	97	103	274	102	84	278	99	94	276	102	92	226	110	128	233
3454	33430	90	111	210	92	82	254	91	97	232	80	132	257	108	133	288
3455	33431	90	95	220	88	92	181	89	93	200	78	97	264	96	127	220
3456	33432	85	87	214	96	91	288	90	89	251	76	102	264	90	124	218
3457	33433	90	81	200	100	75	244	95	78	222	80	104	252	94	108	273
3458	33434	104	96	200	100	84	234	102	90	217	88	97	260	110	123	188
3459	33435	91	96	184	96	87	204	94	91	194	78	112	286	94	119	224
3460	33436	79	94	190	95	97	184	87	96	187	84	106	267	92	129	244
3461	33437	90	95	193	96	94	234	93	94	214	90	118	274	91	128	218
3462	33438	83	89	243	83	92	214	83	91	229	88	112	258	96	117	244
3463	33439	86	85	191	96	90	208	91	87	200	82	102	275	96	128	186
3464	LC	82	90	285	96	93	248	89	91	267	84	119	280	96	109	264
Experimental Mean		87	92	215	94	89	230	91	91	223	85	105	266	94	122	223
Standard Error		0.32			0.5			0.3			0.63			1.45		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Uttar Pradesh (2)			West Bengal									West Bengal (3)		
		Mean			Malda			Bankura			Hatwara			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3401	33379	96	143	209	102	174	281	96	110	353	90	150	202	96	145	278
3402	33380	92	115	225	91	122	266	86	103	378	86	122	225	88	116	290
3403	33381	90	130	236	90	124	342				87	118	218	88	121	280
3404	33382	88	117	215	93	137	226	94	102	384	90	125	217	92	121	276
3405	33383	90	110	247	82	126	238	91	104	350	82	110	219	85	114	269
3406	33384	83	118	293	82	124	232	92	104	361				87	114	296
3407	33385	82	123	242	92	126	343	97	124	385	86	114	202	91	121	310
3408	33386	84	110	238	92	118	238	93	104	405	80	123	204	88	115	282
3409	33387	94	116	240	89	111	230	84	106	350	88	118	257	87	112	279
3410	33388	88	118	260	93	134	242	87	102	366	92	115	234	90	117	281
3411	33389	86	119	246	86	128	239				88	118	212	87	123	226
3412	33390	98	117	248	93	142	286	86	112	388	88	116	228	89	123	301
3413	33391	86	118	252	87	116	300	85	114	379	82	103	204	84	111	294
3414	33392	110	131	263	111	106	218	88	112	380	104	100	175	101	106	258
3415	33393	84	114	227	89	116	296				86	103	214	88	110	255
3416	33394	82	119	242	82	137	290	82	106	366	84	114	211	83	119	289
3417	33395	84	115	245	82	122	268	81	114	360	80	114	192	81	116	273
3418	33396	96	123	249	94	116	336	83	110	371	84	112	214	87	113	307
3419	CO-51 (NC)	84	108	250	82	112	225				80	108	201	81	110	213
3420	33397	110	115	212	106	124	265	90	106	410	98	114	193	98	114	289
3421	33398	89	113	244	86	127	244	84	106	412	80	106	191	84	113	282
3422	33399	96	122	230	85	130	260	90	132	387	86	106	232	87	122	293
3423	33400	83	119	250	92	137	298	83	120	383	90	108	195	88	122	292
3424	33401	88	114	244	90	142	289	92	106	382				91	124	336
3425	33402	86	102	235	85	118	218				80	105	236	82	112	228
3426	33403	92	115	242	87	116	312				84	107	206	86	112	259
3427	33404	96	105	244	84	98	270	90	104	403	80	106	221	85	102	298
3428	33405	94	108	232	90	120	357	86	112	378	81	94	222	86	108	319
3429	33406	97	107	236	92	122	336	86	112	369	92	113	178	90	116	294
3430	33407	93	114	256	92	128	262	84	112	378	88	112	180	88	117	274
3431	33408	88	118	254	83	112	338	93	122	403	80	91	214	85	108	318
3432	33409	93	112	258	94	142	284	95	100	420	90	119	180	93	120	295
3433	33410	84	109	249	89	128	260	90	106	429	82	115	204	87	116	298
3434	33411	84	102	240	90	130	226	94	109	386	88	111	198	90	117	270
3435	33412	88	102	276	90	112	297	91	109	386	86	106	226	89	109	303
3436	33413	78	108	249	75	108	220	97	106	402	71	108	173	81	108	265
3437	33414	79	112	252	78	110	214				74	98	104	76	104	160
3438	33415	86	106	233	90	133	216	96	117	410	86	124	162	90	124	262
3439	33416	90	94	248	92	116	218	89	114	348	88	114	242	89	115	270
3440	33417	97	115	219	92	127	242				94	120	202	93	124	222
3441	33418	112	122	258	96	139	276	82	116	376	97	116	192	91	123	281
3442	33419	76	106	226	94	140	269	88	116	362				91	128	316
3443	33420	84	123	269	92	136	222	86	108	375	86	129	235	88	125	278
3444	33421	89	105	281	87	112	206	88	102	370	86	110	194	87	108	256
3445	33422	85	104	269	82	120	374	92	122	362	80	95	229	84	112	322
3446	ZC	78	89	214	72	106	297	80	102	382	72	92	202	75	100	294
3447	33423	94	118	235	100	132	318	86	113	378	96	116	249	94	120	315
3448	33424	96	116	271	94	136	400				94	90	252	94	113	326
3449	33425	86	103	258	94	135	388				84	104	210	88	119	299
3450	33426	84	111	242	88	138	351	92	108	412	81	122	228	87	123	330
3451	33427	94	102	238	90	119	259	88	110	413	89	114	201	89	115	291
3452	33428	88	116	248	92	122	304	83	112	422	92	114	214	89	116	314
3453	33429	106	110	229	96	140	351	92	108	398	94	110	223	94	120	324
3454	33430	94	133	272	98	122	324	90	100	361	94	116	228	94	113	304
3455	33431	86	112	242	88	124	265				88	108	190	88	116	227
3456	33432	83	113	241	92	130	266	86	95	342	80	118	190	86	114	266
3457	33433	87	106	262	91	114	235				86	102	247	88	108	241
3458	33434	100	110	224	96	138	290	88	106	386	98	92	140	94	112	272
3459	33435	86	116	256	86	122	294	89	112	400	88	116	207	87	117	300
3460	33436	88	118	255	78	122	231				78	112	168	78	117	200
3461	33437	90	123	246	91	136	400	90	96	342	82	113	190	88	115	311
3462	33438	92	115	252	82	132	236				80	116	218	81	124	227
3463	33439	89	115	231	90	132	417	88	114	406	81	110	200	86	119	341
3464	LC	90	114	272	90	124	397	91	112	408	82	124	218	88	120	341
Experimental Mean		90	114	246	89	125	282	88	109	383	85	111	206	88	116	282
Standard Error		0.69			1.41			1.07			1.05			0.67		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE III - EASTERN (10)			ZONE IV - NORTH EASTERN											
		Mean			Assam			Tripura						Tripura (2)		
					Titabar			Arundhutinagar			Lembucherra			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3401	33379	97	137	248	109	152	334	91	167	360	96	92	238	94	130	299
3402	33380	91	114	240	100	112	371	83	124	414	101	105	188	92	115	301
3403	33381	88	118	253	102	122	364	81	110	324	98	96	262	90	103	293
3404	33382	89	113	239	102	115	362	80	124	360	96	104	250	88	114	305
3405	33383	86	105	248	96	101	292	76	113	288	100	87	250	88	100	269
3406	33384	88	109	259				80	70	792	112	94	325	96	82	559
3407	33385	89	111	250	103	111	312	82	122	396	96	103	200	89	113	298
3408	33386	88	108	245	94	110	340	80	116	360	114	114	225	97	115	293
3409	33387	90	109	246	98	106	356	80	70	342	101	105	188	91	88	265
3410	33388	91	111	259	104	111	345	87	128	450	101	114	188	94	121	319
3411	33389	90	113	235	102	116	372	82	124	522	98	97	338	90	111	430
3412	33390	92	112	259	100	105	300	86	128	540	96	93	238	91	111	389
3413	33391	87	105	258	98	100	306	78	108	432	102	104	225	90	106	329
3414	33392	104	110	257	110	135	344	100	122	450	102	102	162	101	112	306
3415	33393	91	106	239	95	101	328	80	112	342	110	104	262	95	108	302
3416	33394	85	112	257	96	109	283	80	122	288	96	91	188	88	107	238
3417	33395	86	111	238	89	102	345	80	126	252	102	92	225	91	109	239
3418	33396	91	110	273	102	142	368	80	118	378	104	114	188	92	116	283
3419	CO-51 (NC)	84	102	241	95	103	356	74	110	450	108	94	238	91	102	344
3420	33397	100	109	249	114	116	370	90	116	432	102	98	262	96	107	347
3421	33398	85	104	236	96	100	314	78	104	360	96	94	188	87	99	274
3422	33399	92	111	240	100	104	256	83	115	342	96	98	262	90	107	302
3423	33400	87	111	258	102	111	297	84	108	306	110	104	338	97	106	322
3424	33401	88	116	261				82	118	414	100	86	238	91	102	326
3425	33402	84	104	262	92	107	328	82	110	468	98	111	262	90	111	365
3426	33403	88	109	263	102	116	331	80	116	360	110	108	188	95	112	274
3427	33404	88	100	286	96	98	317	82	102	396	98	82	262	90	92	329
3428	33405	89	100	268	94	88	308	82	100	396	98	112	200	90	106	298
3429	33406	89	104	258	110	106	328	92	123	486	102	104	200	97	114	343
3430	33407	89	108	253	102	112	340	92	112	378	104	110	188	98	111	283
3431	33408	86	106	267	100	104	248	82	113	252	101	108	212	92	111	232
3432	33409	95	111	269	108	124	365	86	114	342	102	111	238	94	113	290
3433	33410	87	108	266	100	111	342	82	119	666	100	90	138	91	105	402
3434	33411	87	106	246	100	112	340	82	118	468	96	80	225	89	99	347
3435	33412	88	101	258	102	103	334	84	114	360	96	94	238	90	104	299
3436	33413	79	101	263	114	81	306	90	112	414	98	94	225	94	103	320
3437	33414	79	101	227	111	75	250	90	110	558	98	102	262	94	106	410
3438	33415	91	112	258	100	113	331	84	120	414	94	94	275	89	107	345
3439	33416	91	102	260	98	97	258	82	120	378	95	84	262	89	102	320
3440	33417	98	111	224	100	119	260	89	122	306	104	84	212	97	103	259
3441	33418	101	113	258	120	119	354	105	128	522	102	102	275	104	115	399
3442	33419	87	112	266				84	132	306	108	108	288	96	120	297
3443	33420	90	116	263	103	118	390	88	124	576	98	108	212	93	116	394
3444	33421	88	102	268				88	114	630	98	98	275	93	106	453
3445	33422	85	101	289	93	99	300	77	103	522	98	87	275	88	95	399
3446	ZC	80	93	266				83	114	414	98	97	262	91	106	338
3447	33423	97	112	252	116	116	304	106	129	360	100	93	325	103	111	343
3448	33424	97	103	284				98	124	774	100	84	225	99	104	500
3449	33425	89	101	288	94	100	328	87	109	720	98	87	212	93	98	466
3450	33426	86	112	287	99	119	317	80	130	306	96	98	225	88	114	266
3451	33427	93	105	251	106	120	317	88	134	342	98	95	212	93	115	277
3452	33428	91	108	270	108	114	303	96	122	432	98	108	238	97	115	335
3453	33429	100	110	291	112	110	373	84	122	360	102	90	238	93	106	299
3454	33430	95	113	268	108	133	368	98	134	594	102	86	200	100	110	397
3455	33431	88	111	224	103	114	288	88	120	594	100	134	238	94	127	416
3456	33432	87	109	259	94	112	308	88	122	396	100	112	250	94	117	323
3457	33433	91	97	252	94	103	328	86	110	684	100	94	262	93	102	473
3458	33434	99	105	239	106	120	373	96	120	468	98	112	212	97	116	340
3459	33435	89	107	269	102	109	332	83	116	522	102	92	188	93	104	355
3460	33436	83	109	224	94	113	359	80	120	342	104	114	150	92	117	246
3461	33437	89	112	261	96	114	314	84	118	540	102	102	212	93	110	376
3462	33438	86	111	254	100	100	368	84	112	612	102	99	262	93	106	437
3463	33439	89	111	268	98	110	334	88	122	522	101	94	275	95	108	399
3464	LC	87	109	280	94	103	306	82	122	378	102	96	288	92	109	333
Experimental Mean		89	109	261	101	110	326	85	125	439	100	99	235	93	112	337
Standard Error		0.27			0.66			3.47			2.1			1.95		

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Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE IV - NORTH			ZONE V - CENTRAL											
		EASTERN (3)			Chhattisgarh						Chhattisgarh (2)			Maharashtra		
		Mean			Raipur			Ambikhapur			Mean			Sakoli		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3401	33379	99	137	311	102	187	202	90	136	141	96	162	171	92	156	292
3402	33380	95	114	324	94	114	186	84	118	180	89	116	183	90	124	229
3403	33381	94	109	317	94	132	194	84	116	208	89	124	201	84	128	244
3404	33382	93	114	324	100	132	191	88	115	198	94	124	194	88	126	254
3405	33383	91	100	277	90	107	226	86	113	209	88	110	218	86	125	306
3406	33384	96	82	559												
3407	33385	94	112	303	94	108	198	84	104	204	89	106	201	88	120	288
3408	33386	96	113	308	96	126	184	89	114	191	92	120	188	86	120	309
3409	33387	93	94	295	98	129	190	90	117	172	94	123	181	90	124	258
3410	33388	97	118	328	103	123	212	93	106	246	98	115	229	90	118	300
3411	33389	94	112	411	100	126	203	88	111	228	94	118	215	90	126	301
3412	33390	94	109	359	100	127	188	96	113	213	98	120	201	94	118	278
3413	33391	93	104	321	90	106	204	84	105	211	87	105	207	84	86	316
3414	33392	104	120	319	90	114	208	86	111	268	88	113	238	113	112	356
3415	33393	95	106	311	98	122	200	94	106	202	96	114	201	90	98	308
3416	33394	91	107	253	98	133	204	94	127	196	96	130	200	88	116	323
3417	33395	90	107	274	94	116	206	86	111	166	90	113	186	88	115	266
3418	33396	95	125	311	95	117	214	86	107	196	91	112	205	86	119	237
3419	CO-51 (NC)	92	102	348	88	106	202	84	108	192	86	107	197	90	112	254
3420	33397	102	110	355	106	132	228	94	107	223	100	119	226	98	113	258
3421	33398	90	99	287	92	101	223	84	105	188	88	103	205	80	109	259
3422	33399	93	106	287	97	107	190	94	101	181	95	104	186	92	108	284
3423	33400	99	108	314	96	116	176	84	105	232	90	110	204	86	96	242
3424	33401	91	102	326	92	120	178	82	113	168	87	117	173	80	110	270
3425	33402	91	109	353	94	115	216	86	107	228	90	111	222	83	98	250
3426	33403	97	113	293	94	114	184	84	113	215	89	114	200			
3427	33404	92	94	325	96	106	198	90	111	154	92	109	176	86	103	342
3428	33405	91	100	301	98	107	208	94	94	207	96	100	208	88	88	306
3429	33406	101	111	338	98	107	221	92	99	153	96	103	187	96	85	252
3430	33407	99	111	302	98	126	212	86	100	161	92	113	186	90	96	311
3431	33408	94	108	237	88	109	214	84	103	196	86	106	205	80	96	358
3432	33409	99	116	315	98	124	212	90	118	224	94	121	218	92	122	318
3433	33410	94	107	382	94	133	210	86	113	190	90	123	200	84	114	306
3434	33411	93	103	344	90	107	192	84	107	142	88	107	167	80	118	390
3435	33412	94	104	311	96	116	183	90	103	200	93	109	191	88	118	311
3436	33413	101	96	315	84	106	192	80	110	181	82	108	186	74	104	216
3437	33414	100	96	357	87	100	190	77	113	178	82	106	184	71	96	221
3438	33415	93	109	340	98	94	206				98	94	206	90	95	236
3439	33416	92	100	299	100	129	185	90	98	203	95	114	194	88	120	284
3440	33417	98	108	259	102	124	184	98	104	146	100	114	165	100	115	256
3441	33418	109	116	384	112	133	214	104	104	219	108	119	217	106	119	305
3442	33419	96	120	297												
3443	33420	96	117	393	96	116	235	86	113	221	91	114	228	88	114	394
3444	33421	93	106	453	94	106	198	94	105	261	94	106	230	88	88	328
3445	33422	89	96	366	90	100	229	94	98	209	92	99	219	80	116	278
3446	ZC	91	106	338	90	94	193	84	105	205	87	100	199	84	114	258
3447	33423	107	113	330	109	129	192	103	105	174	106	117	183	106	96	297
3448	33424	99	104	500	102	124	236	98	100	240	100	112	238	100	86	256
3449	33425	93	99	420	100	115	228	92	98	239	96	106	233	98	119	247
3450	33426	92	116	283	92	113	198	86	118	194	88	116	196	84	114	356
3451	33427	97	116	290	102	124	210	90	108	168	96	116	189	90	109	282
3452	33428	101	115	324	100	121	190	86	105	216	93	113	203	90	95	298
3453	33429	99	107	324	106	124	204	96	102	197	101	113	200	100	116	374
3454	33430	103	118	387	110	126	216	94	117	228	102	122	222	98	108	307
3455	33431	97	123	373	96	115	212	86	107	188	91	111	200	88	115	271
3456	33432	94	115	318	98	133	225	88	111	239	94	122	232	90	98	253
3457	33433	93	102	425	97	106	209	94	94	232	95	100	220	92	116	368
3458	33434	100	117	351	110	123	200	104	99	146	108	111	173	88	98	262
3459	33435	96	106	347	96	113	222	90	119	190	93	116	206	102	118	217
3460	33436	93	116	284	88	127	174	84	120	171	86	123	173	80	116	368
3461	33437	94	111	355	94	134	198	89	115	208	91	125	203	86	110	312
3462	33438	95	104	414	94	108	198	68	102	201	81	105	200	90	98	394
3463	33439	96	109	377	99	117	197	93	110	178	96	113	187	80	115	341
3464	LC	93	107	324	96	107	206	85	108	190	91	108	198	88	104	330
Experimental Mean		95	111	333	96	118	203	88	108	198	93	113	201	89	110	293
Standard Error		1.33			0.92			2.21			1.17			0.55		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL									ZONE V - CENTRAL (5)			ZONE VI - WESTERN		
		Maharashtra			Maharashtra (2)			Madhya Pradesh			CENTRAL (5)			Gujarat		
		Sindewahi			Mean			Rewa			Mean			Nawagam		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3401	33379	99	138	304	96	147	298	108	122	240	98	148	236	94	161	273
3402	33380	90	115	326	90	120	277	94	108	267	90	116	238	93	125	178
3403	33381	87	136	270	85	132	257	94	98	268	88	122	237	99	124	160
3404	33382	96	116	373	92	121	314	100	104	282	94	119	260	108	137	210
3405	33383	80	78	356	82	102	331	94	94	236	87	103	267	92	114	274
3406	33384													100	116	272
3407	33385	90	106	258	89	114	274	94	94	263	90	107	243	108	122	279
3408	33386	84	108	307	85	114	308	98	96	146	90	113	228	96	114	262
3409	33387	82	110	272	86	117	266	96	99	200	91	116	219	96	126	156
3410	33388	95	119	364	93	118	332	110	94	262	98	112	277	83	124	275
3411	33389	96	108	291	93	116	296	98	98	266	94	113	258	106	126	271
3412	33390	90	106	334	92	112	306	92	98	281	94	112	259	98	116	268
3413	33391	82	98	204	83	92	260	95	88	292	87	97	245	103	105	181
3414	33392	111	120	362	112	116	359	109	96	188	102	111	276	95	118	268
3415	33393	98	105	343	94	102	326	102	95	264	96	105	263	98	104	154
3416	33394	86	108	321	87	112	322	99	106	237	93	118	256	96	113	285
3417	33395	80	105	362	84	110	314	94	92	162	88	108	232	94	118	180
3418	33396	96	116	307	91	118	272	107	90	206	94	110	232	100	127	244
3419	CO-51 (NC)	82	106	343	86	108	298	94	96	252	88	105	249	96	104	268
3420	33397	108	108	298	103	110	278	112	99	252	104	112	252	108	120	284
3421	33398	88	100	362	84	105	311	97	94	268	88	102	260	98	110	276
3422	33399	94	106	308	93	107	296	94	87	232	94	102	239	96	117	283
3423	33400	90	108	311	88	102	277	96	92	282	90	103	248	106	125	278
3424	33401	86	114	334	83	112	302	96	100	231	87	112	236	96	124	270
3425	33402	82	94	362	82	96	306	94	97	237	88	102	259	100	117	196
3426	33403	90	118	382	90	118	382	96	91	265	91	109	262	102	122	277
3427	33404	88	97	292	87	100	317	94	80	208	90	100	239	95	99	288
3428	33405	90	103	268	89	96	287	100	86	270	94	95	252	98	102	286
3429	33406	96	98	305	96	92	279	110	88	250	99	96	236	100	114	274
3430	33407	96	105	332	92	100	322	100	98	250	94	105	253	110	121	222
3431	33408	89	103	330	85	100	344	95	90	270	87	100	274	103	118	286
3432	33409	96	121	326	94	122	322	101	104	280	96	118	272	98	132	285
3433	33410	84	115	290	84	114	298	98	96	257	89	114	251	106	117	256
3434	33411	88	118	278	84	118	334	92	102	240	87	110	248	103	127	258
3435	33412	89	101	385	88	110	348	96	94	254	92	107	267	92	116	274
3436	33413	79	88	252	77	96	234	93	88	214	82	99	211	88	106	264
3437	33414	76	86	317	74	91	269	100	86	270	82	96	235	85	107	270
3438	33415	95	108	252	92	101	244	98	82	226	95	95	230	98	121	274
3439	33416	95	98	316	92	109	300	108	98	310	96	109	259	102	114	252
3440	33417	96	115	162	98	115	209	113	95	276	102	111	205	99	111	274
3441	33418	102	118	304	104	118	304	112	97	237	107	114	256	110	119	291
3442	33419													100	119	262
3443	33420	96	123	292	92	118	343	97	105	262	92	114	281	100	131	296
3444	33421	85	91	355	87	89	342	93	94	273	91	97	283	104	119	172
3445	33422	84	85	304	82	100	291	92	82	284	88	96	261	88	97	278
3446	ZC	88	115	350	86	114	304	94	104	220	88	106	245	89	122	204
3447	33423	106	116	248	106	106	272	109	96	212	106	108	224	116	112	274
3448	33424	100	104	306	100	96	281	111	88	266	102	101	261	113	118	278
3449	33425	86	84	312	92	102	280	99	96	275	95	102	260	97	102	146
3450	33426	88	119	292	86	117	324	94	115	216	89	116	251	98	136	264
3451	33427	96	114	262	93	112	272	106	91	215	97	109	228	106	116	256
3452	33428	94	110	342	92	102	320	105	96	325	95	105	274	110	132	272
3453	33429	82	115	264	91	116	319	114	100	218	100	111	251	116	126	260
3454	33430	100	122	302	99	115	305	108	96	255	102	114	262	115	135	273
3455	33431	96	109	334	92	112	302	98	97	244	93	109	250	96	126	264
3456	33432	83	102	324	87	100	288	99	104	178	92	110	244	96	118	275
3457	33433	90	94	390	90	105	379	110	84	250	96	99	290	98	102	268
3458	33434	102	107	333	95	102	298	107	89	263	102	103	241	112	108	266
3459	33435	92	108	337	97	114	277	98	93	278	96	110	249	103	117	284
3460	33436	80	112	338	80	114	353	97	102	233	86	116	257	94	124	280
3461	33437	84	116	329	85	113	320	96	98	247	90	115	259	105	128	261
3462	33438	87	107	348	88	103	371	98	93	255	87	102	279	106	118	276
3463	33439	94	102	314	87	108	327	96	98	265	92	108	259	99	123	271
3464	LC	92	102	352	90	103	341	96	103	282	92	105	272	96	117	259
Experimental Mean		90	107	314	90	109	305	99	95	248	93	108	252	100	118	254
Standard Error		0.39			0.36			1.52			0.6			1.5		

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Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN														
		Gujarat			Gujarat (2)			Maharashtra								
		Vyra			Mean			Shirgaon			Radhanagari			Karjat		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3401	33379	95	152	256	94	157	265	98	152	170	103	124	210	98	150	224
3402	33380	86	135	226	90	130	202	88	106	164	102	111	203	96	112	294
3403	33381	81	129	254	90	127	207	86	121	160	92	106	107	86	127	318
3404	33382	88	126	234	98	132	222	90	131	126	99	110	189	102	125	266
3405	33383	76	110	226	84	112	250	82	104	118	89	93	205	84	102	274
3406	33384				100	116	272							104	104	328
3407	33385	86	120		96	121	286	86	101	120	90	102	169	96	108	312
3408	33386	82	120	195	89	117	229	86	114	154	102	102	212	87	108	278
3409	33387	92	116	249	94	121	203	92	116	128	103	106	215	89	119	274
3410	33388	92	123	267	88	124	271	91	98	145	103	98	210	98	114	228
3411	33389	82	124	243	94	125	257	86	120	110	96	104	198	99	119	276
3412	33390	96	129	262	96	123	265	97	110	139	100	96	134	96	113	341
3413	33391	75	106	267	89	106	224	81	101	143	92	105	188	84	106	277
3414	33392	101	129	240	98	123	254	118	141	136	103	113	174	116	132	269
3415	33393	86	115	248	92	110	200	92	122	130	101	99	157	88	101	262
3416	33394	86	117	254	91	115	269	87	120	114	106	108	140	87	107	286
3417	33395	82	126	219	88	122	199	85	113	118	92	98	185	86	104	288
3418	33396	83	115	232	92	121	238	88	109	147	96	100	214	92	116	274
3419	CO-51 (NC)	75	107	248	85	105	258	78	98	143	118	94	176	87	92	297
3420	33397	98	122	218	103	121	251	98	126	156	102	94	186	108	124	284
3421	33398	80	102	250	89	106	264	84	108	169	94	91	180	90	90	290
3422	33399	98	120	252	97	118	268	98	104	180	97	88	198	102	116	290
3423	33400	82	112	304	94	118	292	88	116	164	95	93	190	92	105	274
3424	33401	76	124	285	86	124	278	83	118	176	92	109	158	92	124	312
3425	33402	75	111	282	88	114	239	84	109	117	91	96	182	86	107	244
3426	33403	84	116	252	93	119	264	84	114	117	96	101	180	89	121	298
3427	33404	90	103	264	93	101	276	88	102	134	100	85	193	84	96	262
3428	33405	88	105	292	93	104	289	94	107	137	100	88	208	92	94	310
3429	33406	92	114	246	96	114	260	90	107	126	98	88	141	100	108	296
3430	33407	84	119	250	97	120	236	88	112	153	90	98	210	94	110	292
3431	33408	78	110	240	90	114	263	84	108	212	92	93	172	86	96	278
3432	33409	88	138	272	93	135	278	92	116	153	100	106	170	102	126	266
3433	33410	85	121	290	95	119	273	84	113	154	95	96	190	96	116	304
3434	33411	82	112	276	92	119	267	84	120	127	97	102	168	88	114	269
3435	33412	91	108	262	92	112	268	89	99	162	94	102	170	96	109	277
3436	33413	76	102	236	82	104	250	76	109	100	116	95	148	84	90	268
3437	33414	70	103	240	78	105	255	106	107	110	86	100	192	82	87	268
3438	33415	85	115	279	91	118	276	86	117	202	97	101	198	96	115	269
3439	33416	78	108	230	90	111	241	84	112	152	103	98	214	86	92	290
3440	33417	100	129	234	100	120	254	102	126	133	111	110	181	100	122	249
3441	33418	106	128	228	108	123	260	115	121	138	110	101	220	86	117	256
3442	33419				100	119	262							102	107	292
3443	33420	90	126	320	95	129	308	87	116	177	98	106	180	102	116	230
3444	33421	88	107	262	96	113	217	84	103	98	96	90	178	88	104	270
3445	33422	75	92	285	82	94	281	82	92	113	91	84	189	88	90	286
3446	ZC	84	117	266	86	120	234	86	122	114	94	100	130	94	114	278
3447	33423	100	129	230	108	121	252	112	126	157	112	110	182	108	132	286
3448	33424	94	124	298	104	121	288	84	105	178	106	96	150	114	114	272
3449	33425	88	110	274	93	106	210	90	113	124	101	92	182	86	102	288
3450	33426	93	131	210	96	134	237	82	110	126	94	102	123	86	119	324
3451	33427	90	112	274	98	114	265	94	121	130	101	95	165	100	107	269
3452	33428	86	114	297	98	123	284	92	111	150	95	80	156	102	108	286
3453	33429	99	119	249	108	123	255	100	122	157	104	86	272	100	114	276
3454	33430	100	133	296	108	134	284	104	130	142	106	105	200	106	134	282
3455	33431	86	122	224	91	124	244	87	118	105	94	100	176	98	112	292
3456	33432	84	121	280	90	119	278	116	103	183	97	101	176	90	101	299
3457	33433	82	107	255	90	105	262	84	104	114	96	80	162	94	94	259
3458	33434	102	123	198	107	115	232	98	112	194	116	92	160	114	120	289
3459	33435	85	119	300	94	118	292	86	110	126	96	99	192	96	102	280
3460	33436	74	124	242	84	124	261	81	118	140	94	118	212	86	114	288
3461	33437	78	119	219	91	123	240	89	135	152	94	110	196	96	108	268
3462	33438	80	107	268	93	112	272	86	108	176	93	92	204	88	106	302
3463	33439	92	121	250	96	122	261	92	101	128	106	92	201	96	112	296
3464	LC	86	113	219	91	115	239	85	91	164	95	92	231	88	86	277
Experimental Mean		86	117	255	94	118	255	90	113	143	98	98	183	94	110	281
Standard Error		1.51			1.05			0.4			0.74			1.03		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN			ZONE VI			ZONE VII - SOUTHERN								
		Maharashtra (3)			WESTERN (5)			Andhra Pradesh			Karnataka					
		Mean			Mean			Maruteru			Mugad			Mandya		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3401	33379	100	142	201	98	148	227	88	153	307	100	72	332	100	109	244
3402	33380	96	110	221	93	118	213	81	131	310	99	84	337	99	100	278
3403	33381	88	118	195	89	122	200	81	132	290	94	76	298	87	96	310
3404	33382	97	122	193	97	126	205	84	114	284	103	73	290	100	66	336
3405	33383	85	100	199	84	105	219	73	112	284	92	72	331	96	85	340
3406	33384	104	104	328	102	110	300				103	65	336			
3407	33385	91	104	200	93	110	234	86	109	320	102	75	351	90	84	321
3408	33386	91	108	215	90	112	220	72	112	284	98	82	318	98	89	216
3409	33387	95	114	206	94	117	205	80	114	310	102	76	282	102	93	314
3410	33388	97	104	195	93	112	225	86	106	294	102	83	384	96	90	310
3411	33389	94	114	194	94	118	219	80	138	290	99	74	334	95	90	318
3412	33390	98	106	205	97	113	229	82	110	300	90	70	314	96	87	296
3413	33391	86	104	203	87	105	211	73	96	294	112	74	384	87	81	408
3414	33392	112	129	193	107	127	218	96	143	284	102	70	318	100	99	256
3415	33393	94	107	183	93	108	190	82	105	290	104	70	307	102	83	322
3416	33394	93	112	180	92	113	216	75	112	287	106	81	302	98	97	334
3417	33395	88	105	197	88	112	198	73	124	304	100	76	332	96	90	296
3418	33396	92	109	212	92	114	222	82	112	307	98	64	310	96	82	323
3419	CO-51 (NC)	94	95	206	91	99	226	70	112	304	94	69	378	90	86	292
3420	33397	102	115	208	103	117	225	94	123	300	112	77	347	98	90	274
3421	33398	89	96	213	89	100	233	74	110	300	101	73	316	90	74	282
3422	33399	99	103	223	98	109	241	80	113	294	103	70	314	98	82	292
3423	33400	92	105	210	93	110	242	82	110	290	106	67	316	92	78	238
3424	33401	89	117	215	88	120	240				97	71	301	92	93	278
3425	33402	87	104	181	87	108	204	73	100	284	95	64	302	96	83	362
3426	33403	89	112	198	91	115	225	82	127	304	96	67	356	94	97	367
3427	33404	91	94	196	92	97	228	80	96	294	100	69	374	98	76	382
3428	33405	96	97	218	94	99	247	84	88	278	104	74	344	100	73	314
3429	33406	96	101	188	96	106	216	88	102	290	103	66	360	94	86	332
3430	33407	91	106	218	93	112	226	86	102	284	94	66	329	90	85	239
3431	33408	88	99	221	89	105	238	72	112	287	96	70	308	90	79	266
3432	33409	98	116	196	96	124	229	88	132	270	114	77	282	98	96	256
3433	33410	92	108	216	93	113	239	83	121	284	100	74	291	88	89	309
3434	33411	90	112	188	91	115	219	72	124	290	100	74	332	89	93	266
3435	33412	93	103	203	92	107	229	86	117	304	97	69	324	89	85	310
3436	33413	92	98	172	88	101	203	62	94	297	85	66	301	88	91	296
3437	33414	92	98	190	86	101	216	62	87	290	86	64	334	88	89	288
3438	33415	93	111	223	92	114	244	82	120	310	100	64	295	90	84	402
3439	33416	91	101	218	91	105	227	82	84	277	105	68	282	98	85	345
3440	33417	104	119	188	102	120	214	88	121	264	120	82	324	109	89	212
3441	33418	104	113	205	105	117	227	95	134	304	114	84	310	96	93	308
3442	33419	102	107	292	101	113	277				90	74	348			
3443	33420	96	113	195	96	119	240	85	134	297	100	81	364	96	97	327
3444	33421	89	99	182	92	105	196	80	110	251	96	63	352	96	86	416
3445	33422	87	89	196	85	91	230	74	89	304	96	61	325	96	79	408
3446	ZC	92	112	174	90	115	198	78	121	306	102	74	408	95	91	304
3447	33423	110	123	208	110	122	226	94	118	290	118	76	334	100	94	243
3448	33424	101	105	200	102	111	235	93	101	278	112	68	320	99	84	294
3449	33425	92	102	198	92	104	203	84	83	300	100	57	280	94	79	336
3450	33426	88	110	191	91	119	209	86	140	294	100	73	307	92	97	340
3451	33427	98	108	188	98	110	219	88	119	294	112	69	323	98	82	305
3452	33428	96	100	197	97	109	232				98	71	372	94	75	300
3453	33429	101	107	235	104	114	243	94	124	326	112	64	354	102	77	362
3454	33430	105	123	208	106	128	238	91	122	270	113	77	344	98	95	305
3455	33431	93	110	191	92	116	212	82	119	316	94	67	361	90	81	323
3456	33432	101	102	219	96	109	243	76	110	304	100	76	347	96	84	356
3457	33433	92	93	178	91	97	212	80	85	300	100	65	297	98	71	428
3458	33434	109	108	214	108	111	222	94	115	277	118	77	332	106	80	248
3459	33435	92	104	200	93	109	237	80	112	290	104	71	360	96	82	296
3460	33436	87	117	213	86	120	232	76	120	297	95	86	334	90	90	296
3461	33437	93	118	205	92	120	219	73	122	310	98	68	319	90	92	274
3462	33438	89	102	228	91	106	245	78	118	300	98	74	380	92	85	381
3463	33439	98	102	208	97	110	229	84	116	304	112	70	348	102	85	256
3464	LC	90	90	224	90	100	230	82	119	314	90	105	278	86	84	442
Experimental Mean		95	107	206	94	112	225	81	114	294	101	72	329	95	86	312
Standard Error		0.47			0.57			1.19			0.93			0.57		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka (3)			Kerala						Kerala (2)		
		Gangavati			Mean			Pattambi			Monocompu			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3401	33379	99	144	336	100	109	304	97	136	397	76	134	198	86	135	298
3402	33380	100	131	374	100	105	330	94	107	364	68	117	184	81	112	274
3403	33381	96	127	248	92	100	285	92	93	380	64	114	228	78	103	304
3404	33382	102	116	262	102	85	296	93	117	430	68	125	231	81	121	330
3405	33383	90	106	348	93	88	340	83	83	331	64	106	224	74	94	278
3406	33384				103	65	336									
3407	33385	96	96	308	96	85	327	92	92	348	70	96	168	81	94	258
3408	33386	100	104	310	99	91	282	88	100	364	74	111	202	81	105	283
3409	33387	104	110	362	102	93	319	94	106	331	76	126	212	85	116	271
3410	33388	98	100	355	99	91	350	101	102	512	62	113	208	82	107	360
3411	33389	96	117	372	96	93	342	93	107	364	70	114	192	81	111	278
3412	33390	97	100	376	94	86	329	92	94	546	64	107	175	78	100	360
3413	33391	92	94	330	97	83	374	89	86	397				89	86	397
3414	33392	108	110	326	103	93	300	100	119	612	82	123	192	91	121	402
3415	33393	102	105	398	102	86	343	95	97	430	70	115	218	82	106	324
3416	33394	102	108	328	102	95	321	92	104	397	70	125	204	82	114	301
3417	33395	96	110	294	97	92	307	86	91	414	63	113	178	74	102	296
3418	33396	96	98	347	97	82	327	97	106	397	70	109	194	84	108	296
3419	CO-51 (NC)	90	106	256	91	87	308	92	91	380	64	105	222	78	98	301
3420	33397	102	106	302	104	91	308	104	109	446	76	113	238	90	111	342
3421	33398	92	92	316	95	80	305	91	99	331	65	106	168	78	102	250
3422	33399	101	96	292	101	83	300	98	94	314	79	111	221	88	103	268
3423	33400	96	92	351	98	79	302	92	95	397	77	107	192	85	101	294
3424	33401	92	116	318	94	93	299	87	102	480	82	114	155	84	108	317
3425	33402	95	94	304	95	80	323	88	88	348	70	116	158	79	102	253
3426	33403	96	103	382	95	89	368	90	105	496	68	114	208	79	110	352
3427	33404	102	92	288	100	79	348	89	88	397	70	107	244	80	97	321
3428	33405	104	84	292	102	77	317	90	84	348	72	98	184	80	91	266
3429	33406	97	80	270	98	77	320	94	104	364	76	105	201	85	104	282
3430	33407	96	86	205	93	79	258	89	99	364	64	109	208	77	104	286
3431	33408	94	95	279	94	81	284	90	89	446	66	111	201	78	100	324
3432	33409	103	116	311	105	96	283	89	110	314	79	116	204	84	113	260
3433	33410	96	114	345	95	92	315	90	100	430	69	109	204	80	105	317
3434	33411	94	110	340	94	92	312	94	83	348	68	116	224	80	100	286
3435	33412	96	99	343	94	84	325	93	93	463	65	107	198	79	100	330
3436	33413	88	102	319	87	86	305	81	77	480	62	96	208	71	87	344
3437	33414	88	106	249	88	86	290	80	81	529	62	104	192	71	93	360
3438	33415	102	104	336	97	84	344	94	97	314	68	116	224	81	107	270
3439	33416	98	80	324	100	77	317	94	108	364	69	110	205	82	109	284
3440	33417	110	104	319	113	92	285	103	109	331	80	125	195	92	117	263
3441	33418	102	112	330	104	96	316	100	101	496	76	103	211	88	102	354
3442	33419				90	74	348	95	113	463				95	113	463
3443	33420	98	120	302	98	99	331				69	113	241	69	113	241
3444	33421	96	94	328	96	81	365	90	94	529	70	104	234	80	99	382
3445	33422	93	88	327	95	76	353	88	86	463	64	104	202	76	95	332
3446	ZC	96	113	374	98	93	362	92	96	348	70	111	165	81	103	256
3447	33423	104	110	287	108	93	288	102	102	331	82	125	188	92	113	260
3448	33424	103	100	310	105	84	308	96	103	380	76	113	208	86	108	294
3449	33425	96	80	306	97	72	307	92	89	496	64	97	198	78	93	347
3450	33426	94	103	334	95	91	327	92	101	480	68	126	208	80	113	344
3451	33427	102	105	354	104	85	327	93	91	314	72	110	214	82	100	264
3452	33428	98	90	299	97	79	324	96	98	397	70	111	188	83	104	292
3453	33429	104	103	306	106	81	341	103	93	331	76	97	205	90	95	268
3454	33430	102	111	300	104	94	316	100	93	364	71	124	198	86	109	281
3455	33431	96	100	309	94	83	331	89	102	380	64	113	198	76	108	289
3456	33432	98	100	307	98	87	336	90	98	480	64	109	224	77	103	352
3457	33433	100	82	256	99	73	327	89	87	331	68	96	188	79	91	260
3458	33434	112	94	318	112	84	299	98	112	430	78	115	185	88	113	308
3459	33435	102	103	304	101	86	320	96	99	463	68	108	195	82	103	329
3460	33436	92	108	300	92	95	310	88	97	463	64	115	211	76	106	337
3461	33437	96	120	342	94	93	312	90	96	496	71	100	165	80	98	330
3462	33438	96	110	331	96	90	364	90	92	480	68	91	208	80	91	344
3463	33439	102	110	304	105	88	303	95	101	446	70	120	201	82	111	324
3464	LC	94	99	342	90	96	354	87	77	397	68	96	192	77	86	294
Experimental Mean		98	103	317	98	87	320	92	97	410	70	110	201	81	104	308
Standard Error		1.15			0.5			0			0.79			1.36		

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Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Telangana												Telangana (4)		
		Kampasagar			Kunaram			Jagtial			Warangal			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3401	33379	100	129	234	92	160	278	98	160	389	98	162	433	97	153	334
3402	33380	92	92	300	90	128	284	95	127	380	91	130	433	92	119	349
3403	33381	88	96	167	80	138	307	88	133	365	90	134	447	87	125	322
3404	33382	100	96	250	94	118	284	95	123	328	98	122	444	97	115	327
3405	33383	87	74	250	82	114	307	84	110	361	84	105	438	84	101	339
3406	33384	94	74	234	100	105	330							97	90	282
3407	33385	92	82	316	84	118	284	88	101	390	91	116	519	89	104	377
3408	33386	88	88	200	84	120	297	88	112	326	85	109	444	86	107	317
3409	33387	99	86	233	90	123	250	94	121	376	88	119	433	93	112	323
3410	33388	99	91	267	92	113	297	96	109	416	92	110	462	95	106	361
3411	33389	93	95	300	88	106	290	88	116	392	90	114	491	90	108	368
3412	33390	92	85	217	90	113	290	90	111	341	88	114	451	90	106	325
3413	33391	93	75	316	84	108	277	88	106	372	87	110	451	88	100	354
3414	33392	84	96	200	102	131	290	110	127	361	88	133	486	96	122	334
3415	33393	90	78	183	86	112	297	95	106	374	90	112	458	90	102	328
3416	33394	93	88	184	86	122	278	88	115	388	88	123	427	89	112	319
3417	33395	88	73	183	82	119	280	87	118	356	84	118	427	85	107	312
3418	33396	100	86	250	90	118	280	94	112	385	87	113	427	93	107	336
3419	CO-51 (NC)	87	81	217	80	117	324	86	108	387	81	107	453	84	103	345
3420	33397	110	96	284	97	116	300	104	109	403	96	120	455	102	110	361
3421	33398	87	80	234	82	112	244	88	101	343	82	100	409	85	98	308
3422	33399	90	92	216	88	104	264	88	103	352				89	100	277
3423	33400	92	86	200	83	114	280	88	102	346	87	113	451	88	104	319
3424	33401	90	82	250				87	128	396	90	104	477	89	105	374
3425	33402	89	76	266	82	105	304	88	108	383	82	118	453	85	102	352
3426	33403	90	80	234	84	120	310	88	114	436	86	116	436	87	108	354
3427	33404	92	85	184	84	108	238	94	98	358	87	103	451	89	99	308
3428	33405	91	76	200	88	97	251	98	93	392	88	94	442	91	90	321
3429	33406	101	84	250	94	95	284	97	98	366	88	106	451	95	96	338
3430	33407	94	83	184	88	106	248	98	112	354	86	102	449	92	101	309
3431	33408	92	79	250	85	116	330	85	107	352	83	105	425	86	102	339
3432	33409	100	111	200	88	134	300	98	127	402	98	133	451	96	126	338
3433	33410	92	91	216	86	122	317	90	118	446	90	112	466	90	111	361
3434	33411	98	76	200	84	115	280	84	110	426	86	106	436	88	102	336
3435	33412	98	87	216	83	114	294	90	101	398	86	105	455	89	102	341
3436	33413	87	76	266	77	98	363	80	102	414	80	97	453	81	93	374
3437	33414	86	74	300	70	109	284	80	102	394	79	91	433	79	94	353
3438	33415	94	90	300	80	116	270				88	110	453	87	105	341
3439	33416	94	89	200	86	114	259	87	106	368	86	91	411	88	100	310
3440	33417	108	100	316	98	109	218	104	108	348	96	112	405	102	107	322
3441	33418	101	106	234	106	126	290	110	124	447	108	118	438	106	119	352
3442	33419	91	82	250							94	112	442	93	97	346
3443	33420	98	80	200	88	124	372	92	125	422	90	114	447	92	111	360
3444	33421	92	84	400	88	103	350	90	107	412	86	105	400	89	100	391
3445	33422	87	62	216	84	96	300	82	96	368	80	95	480	83	87	341
3446	ZC	88	90	200	90	117	268	90	115	396	88	107	433	89	107	324
3447	33423	108	100	200	102	121	278	100	114	385	103	120	414	103	114	319
3448	33424	102	90	300	96	108	317	88	102	388	99	116	444	96	104	362
3449	33425	86	74	234	88	85	344	82	96	387	88	95	449	86	88	354
3450	33426	88	100	216	86	120	356	84	122	390	88	123	460	87	116	356
3451	33427	100	99	284	92	112	260	86	117	374	97	114	416	94	111	334
3452	33428	95	86	234	92	112	343	86	107	409	90	108	436	91	103	356
3453	33429	108	101	384	100	115	270	100	107	398	98	119	429	102	111	370
3454	33430	98	99	334	99	136	270	108	128	436	99	133	451	101	124	373
3455	33431	92	79	316	85	119	221	86	112	387	88	116	416	88	107	335
3456	33432	87	85	216	86	118	316	86	112	358	86	112	444	86	107	334
3457	33433	90	74	300	84	99	340	86	108	412	87	95	444	87	94	374
3458	33434	106	95	300	100	94	268	108	102	348	105	121	449	105	103	341
3459	33435	92	83	216	88	110	307	88	108	433	88	114	477	89	104	358
3460	33436	89	88	200	84	132	280	82	126	411	82	124	429	84	118	330
3461	33437	96	80	200	85	137	270	87	124	404	87	119	429	89	115	326
3462	33438	90	86	316	86	104	290	88	110	444	86	108	449	88	102	375
3463	33439	95	77	350	92	118	290	94	122	376	94	119	438	94	109	364
3464	LC	88	83	267	82	115	334	82	109	407	88	114	449	85	105	364
Experimental Mean		93	86	247	88	115	291	91	112	386	89	113	444	90	108	342
Standard Error		0.89			0.43			0.41			0.9			0.45		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Tamil Nadu						Tamil Nadu			Tamil Nadu (3)		
		Tirur			Coimbatore			Adutrai			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3401	33379	104	130	222	98	129	218	97	90	288	100	116	243
3402	33380	84	106	293	98	105	285	97	96	275	93	102	284
3403	33381	86	103	322	92	99	275	93	97	288	91	99	295
3404	33382	91	107	226	102	94	252	88	105	318	94	102	265
3405	33383	74	89	276	88	90	250	90	85	292	84	88	273
3406	33384							98	94	314	98	94	314
3407	33385	84	100	258	90	78	190	100	97	318	91	92	255
3408	33386	78	94	297	94	96	250				86	95	274
3409	33387	90	102	304	99	103	248	98	93	287	96	99	280
3410	33388	84	104	340	98	86	292	98	114	279	94	101	304
3411	33389	91	108	321	95	93	272	92	86	290	92	96	294
3412	33390	82	93	253	89	93	260	90	86	292	87	91	268
3413	33391	88	100	278	88	87	252	97	114	304	91	100	278
3414	33392	104	99	210	116	112	315	91	108	298	104	106	274
3415	33393	82	97	296	102	94	208	102	111	265	95	101	256
3416	33394	76	102	313	104	94	298	92	95	316	91	97	309
3417	33395	78	92	223	92	90	302	92	94	310	87	92	279
3418	33396	84	104	252	94	87	288	96	122	212	91	104	251
3419	CO-51 (NC)	70	95	330	87	88	285	102	93	250	87	92	288
3420	33397	97	104	326	100	92	260	90	96	301	96	97	296
3421	33398	76	96	319	93	89	265	94	89	292	88	91	292
3422	33399	80	99	300	104	99	285	92	85	252	92	94	279
3423	33400	86	100	252	90	102	308	104	99	218	94	101	260
3424	33401	76	98	260	88	100	282	94	103	219	86	100	254
3425	33402	70	95	297	95	82	242				83	89	270
3426	33403	90	92	330	88	88	292	100	111	267	92	97	296
3427	33404	82	90	318	100	85	238	89	85	250	90	87	268
3428	33405	92	94	300	104	84	362	92	95	296	96	91	320
3429	33406	86	100	360	94	85	310	101	86	297	93	90	322
3430	33407	80	102	244	92	105	368	102	109	270	92	105	294
3431	33408	76	82	278	87	82	268	94	102	254	86	89	266
3432	33409	88	118	292	100	108	305	94	90	273	94	105	290
3433	33410	82	104	270	92	92	305	88	97	278	87	97	284
3434	33411	84	110	292	90	90	250	89	89	214	88	96	252
3435	33412	84	96	289	90	87	302	92	104	174	89	95	255
3436	33413	70	82	303	96	90	375	94	97	294	87	90	324
3437	33414	70	90	234	87	98	282	94	105	296	84	98	271
3438	33415	90	105	281	96	92	268	90	94	284	92	97	278
3439	33416	76	96	252	96	84	182	92	95	272	88	92	235
3440	33417	88	99	312	111	96	245	96	89	286	98	94	281
3441	33418	94	113	372	106	103	308	94	94	288	98	103	323
3442	33419	88	104	283				98	103	305	94	104	294
3443	33420	87	113	308	96	104	330	95	103	314	92	106	317
3444	33421	80	97	186	96	89	325	90	93	288	88	93	267
3445	33422	70	81	230	92	82	275	100	93	316	87	85	274
3446	ZC	88	93	308	89	90	272	100	82	291	92	88	291
3447	33423	98	113	292	112	102	275	102	82	260	104	99	276
3448	33424	94	96	348	104	89	302	110	93	300	102	93	317
3449	33425	77	91	282	102	81	295	99	97	266	93	90	281
3450	33426	88	114	178	92	90	368	92	82	270	91	95	272
3451	33427	86	103	304	98	87	215	105	93	265	96	94	262
3452	33428	94	113	203	96	86	322	107	79	284	99	93	270
3453	33429	111	109	297				91	90	291	101	99	294
3454	33430	90	123	308	97	107	288	110	142	254	99	124	283
3455	33431	82	108	276	90	89	292	114	97	260	95	98	276
3456	33432	84	104	280	97	93	340	109	98	302	97	98	308
3457	33433	88	88	316	94	77	325	104	103	302	96	89	314
3458	33434	91	93	345	114	91	275	108	78	284	104	87	301
3459	33435	94	104	260	96	92	295	108	108	276	99	101	277
3460	33436	71	108	294	86	108	295	106	107	295	88	108	294
3461	33437	82	108	189	94	102	342	103	103	300	93	104	277
3462	33438	88	88	286	92	76	330	106	85	310	95	83	308
3463	33439	84	104	301	102	87	292	102	92	318	96	94	304
3464	LC	88	106	289	96	105	290	105	109	268	96	106	282
Experimental Mean		84	100	283	96	93	285	97	96	280	93	97	283
Standard Error		0.57			0.73			1.01			0.4		

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Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN(13)			Uttar Pradesh (3)			Maharashtra (5)		
		Mean			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3401	33379	96	131.4	298.2	97	137	229	98	144	240
3402	33380	91	111.8	315.2	90	116	224	93	114	243
3403	33381	87	110.6	301.9	90	123	233	87	124	220
3404	33382	94	105.8	302.7	89	114	239	95	122	241
3405	33383	84	94.69	310.2	87	106	234	84	100	252
3406	33384	99	84.5	303.5	83	118	293	104	104	328
3407	33385	90	95.69	314.7	85	116	264	90	108	229
3408	33386	87	101.4	292.3	84	107	250	89	110	252
3409	33387	94	105.5	303.2	92	112	258	91	115	230
3410	33388	93	101.6	339.7	92	110	264	95	109	250
3411	33389	90	104.5	325.1	88	115	271	93	115	235
3412	33390	88	97.15	316.2	102	110	248	95	108	245
3413	33391	90	94.25	338.6	86	110	267	85	99	226
3414	33392	99	113.1	319.1	108	116	255	112	124	260
3415	33393	92	98.85	311.2	86	108	248	94	105	240
3416	33394	90	105.1	312	83	113	252	91	112	237
3417	33395	86	100.6	299.9	84	110	254	86	107	244
3418	33396	91	101	305.5	95	116	222	91	112	236
3419	CO-51 (NC)	84	96.77	313.7	83	105	258	91	100	243
3420	33397	98	103.9	325.8	110	112	228	103	113	236
3421	33398	86	93.92	293.8	86	110	249	87	100	252
3422	33399	92	95.67	283	98	113	229	97	104	252
3423	33400	90	97.31	295.3	87	114	233	90	104	236
3424	33401	89	101	310.5	87	106	263	87	115	250
3425	33402	85	94.08	308.6	84	101	228	85	101	231
3426	33403	89	102.6	339.8	90	113	251	89	113	244
3427	33404	90	90.92	308.9	92	100	245	89	97	245
3428	33405	93	87.23	307.9	92	102	244	93	96	246
3429	33406	93	92.08	318.1	98	102	225	96	97	224
3430	33407	89	97.38	288.2	93	104	242	91	104	260
3431	33408	85	94.54	303.4	86	111	261	86	99	270
3432	33409	95	112.9	296.9	95	111	286	97	118	247
3433	33410	88	103.3	320.1	86	107	258	89	111	249
3434	33411	87	99.69	299.8	85	103	234	88	114	246
3435	33412	88	97.23	313.1	89	103	271	91	106	261
3436	33413	81	89.85	336.1	76	104	234	86	97	197
3437	33414	79	92.31	315.8	76	104	254	84	95	222
3438	33415	90	99.33	311.4	90	105	240	93	107	232
3439	33416	89	93.08	287.8	89	97	236	91	104	251
3440	33417	101	103.3	290.4	98	110	241	102	118	196
3441	33418	100	108.5	333.5	118	114	273	104	115	245
3442	33419	93	98	348.5	76	106	226	102	107	292
3443	33420	91	109	327	97	118	279	94	115	254
3444	33421	88	94.54	343.9	90	102	278	88	95	246
3445	33422	85	85.54	324.2	83	98	284	85	93	234
3446	ZC	90	100	313.3	82	92	227	89	113	226
3447	33423	102	105.9	290.5	100	111	228	109	116	234
3448	33424	98	97.15	322.2	99	107	265	101	101	233
3449	33425	89	84.92	321	88	98	263	92	102	231
3450	33426	88	107	323.2	85	111	258	87	113	244
3451	33427	95	100.1	301.7	95	104	246	96	109	222
3452	33428	93	94.67	315.6	91	114	239	94	101	246
3453	33429	100	99.92	329.4	106	105	219	97	111	268
3454	33430	98	114.6	317.1	100	124	262	103	120	247
3455	33431	89	100.2	311.9	89	112	246	93	111	236
3456	33432	89	99.92	328.8	84	110	262	95	101	247
3457	33433	90	86.92	326.1	89	102	260	91	98	259
3458	33434	103	97.46	312.2	102	106	215	104	106	248
3459	33435	92	99.54	320.9	88	112	251	94	108	231
3460	33436	85	108.4	315.8	86	113	254	84	116	269
3461	33437	89	105.5	310.8	89	117	255	90	116	251
3462	33438	89	94.38	346.5	92	109	250	89	102	285
3463	33439	94	101.6	324.9	90	107	228	94	104	256
3464	LC	87	101.6	328.4	90	106	283	90	95	271
Experimental Mean		90	100.2	313.8	91	109	249	93	108	245
Standard Error		0.34			0.5			0.33		

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN									ZONE IV - NORTH EASTERN		
		Jharkhand			Odisha			Uttar Pradesh			Assam		
		@Hazaribagh			@NRRI			@Prayagraj			@Gerua		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3401	33379	97	68	306	94	152	268	102	121	457	103	154	240
3402	33380	92	82	277	94	122	260	94	122	386	92	114	236
3403	33381	87	89	275	98	126	300	96	126	404	92	122	266
3404	33382	97	89	306	86	114	230	102	129	462	92	120	254
3405	33383	83	71	292	94	99	208	92	127	444	87	113	256
3406	33384	91	74	321				100	119	465			
3407	33385	96	69	337	96	122	296	100	121	470	99	117	235
3408	33386	96	66	384	98	114	224	96	117	485	87	117	235
3409	33387	94	64	302	96	122	276	100	122	676	87	125	235
3410	33388	98	71	352	86	120	275	102	107	683	99	109	235
3411	33389	87	78	254	94	126	240	104	121	556	92	114	235
3412	33390	90	73	283	97	100	210	99	123	490	106	119	235
3413	33391	86	76	314	96	100	334	98	123	475	82	106	235
3414	33392	98	84	325	86	140	343	114	122	652	118	124	235
3415	33393	87	70	328	96	122	217	100	120	688	87	106	235
3416	33394	88	76	270	91	96	330	98	114	495	78	122	235
3417	33395	84	83	280	94	102	227	98	114	538	78	113	235
3418	33396	96	66	328	96	104	297	98	111	754	92	119	235
3419	CO-51 (NC)	88	73	312	96	89	238	92	118	554	72	104	235
3420	33397	98	74	272	95	124	402	111	117	498	106	121	235
3421	33398	88	76	252	96	104	272	92	117	573	82	108	235
3422	33399	97	77	289	92	114	372	103	105	480	96	107	235
3423	33400	92	67	296	88	129	253	98	110	475	92	120	235
3424	33401	98	74	276	97	120	340	96	111	541	87	117	235
3425	33402	88	74	335	87	132	314	92	110	520	78	110	235
3426	33403	90	74	336	92	120	256	95	103	554	82	129	235
3427	33404	94	72	280	92	92	248	94	107	568	87	105	235
3428	33405	100	73	306	94	98	246	96	96	439	87	97	235
3429	33406	84	69	306	92	101	212	102	110	462	106	108	235
3430	33407	88	78	287	98	116	364	102	110	465	99	119	235
3431	33408	88	80	242	92	104	312	94	114	416	87	101	235
3432	33409	96	76	278	98	130	312	102	115	724	99	134	235
3433	33410	88	76	308	92	102	310	101	111	478	92	116	235
3434	33411	87	82	249	96	123	340	101	118	756	92	121	235
3435	33412	92	64	282	90	124	400	102	112	474	92	129	235
3436	33413	82	77	312	92	72	212	90	109	635	72	105	235
3437	33414	83	75	284	91	104	266	90	119	566	72	102	235
3438	33415	98	65	289	88	107	382	106	117	526	87	122	235
3439	33416	97	67	330	98	106	226	98	114	370	92	100	235
3440	33417	98	77	300	86	104	240	105	116	358	99	123	235
3441	33418	98	71	202	90	122	260	116	105	683	118	134	235
3442	33419	88	80	274				102	115	556			
3443	33420	96	80	270	82	121	309	105	112	599	99	132	232
3444	33421	97	68	254	94	106	240	100	118	749	92	118	268
3445	33422	92	68	274	93	84	238	96	110	650	82	90	242
3446	ZC	83	61	243	95	62	215	90	91	842	78	108	258
3447	33423	98	77	292	91	118	245	114	111	507	98	126	228
3448	33424	98	65	274	92	140	268	110	108	478	106	108	274
3449	33425	94	62	268	98	102	252	100	118	422	92	111	267
3450	33426	88	83	302	96	116	236	102	124	459	87	128	266
3451	33427	96	82	274	96	123	302	105	119	450	99	117	262
3452	33428	90	72	246	89	120	278	106	111	599	92	121	265
3453	33429	98	69	298	93	120	288	110	124	432	106	119	279
3454	33430	97	78	332	88	134	258	108	109	739	106	124	254
3455	33431	88	74	285	98	112	271	100	117	507	92	118	234
3456	33432	96	69	292	90	138	256	102	100	472	87	132	233
3457	33433	98	67	238	92	103	235	98	109	546	92	108	281
3458	33434	100	64	259	86	115	233	116	116	444	103	121	235
3459	33435	94	70	248	94	98	243	104	108	383	87	118	254
3460	33436	86	95	268	88	113	236	90	129	619	87	117	238
3461	33437	86	79	260	94	124	238	97	125	389	87	125	259
3462	33438	88	73	228	92	123	218	98	125	554	92	108	262
3463	33439	95	66	264	94	117	228	100	124	469	92	117	272
3464	LC	89	73	272	90	114	226	98	121	564	87	112	264
Experimental Mean		92	73	287	92	113	271	100	115	533	91	116	243

Table No. 2.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – E TP, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL			ZONE VII - SOUTHERN					
		Chhattisgarh			Karnataka			Telangana		
		@Jagadapur			@Brahmavar			@Rudrur		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3401	33379	89	74	240	81	98	476	102	147	140
3402	33380	84	72	225	78	70	456	90	112	159
3403	33381	78	78	206	95	70	452	90	112	118
3404	33382	88	73	212	82	84	436	92	111	118
3405	33383	79	63	200	79	60	475	86	91	120
3406	33384	84	71	223	82	74	438			
3407	33385	80	63	178	84	72	431	91	92	96
3408	33386	80	64	182	72	80	456	86	90	102
3409	33387	80	79	205	92	66	416	86	103	149
3410	33388	91	70	190	89	61	432	94	116	222
3411	33389	92	62	188	82	76	459	88	112	158
3412	33390	81	71	198	90	70	424	88	110	238
3413	33391	75	61	180	73	81	478	86	104	178
3414	33392	96	80	228	82	70	456	112	131	228
3415	33393	79	63	180	90	82	468	88	90	108
3416	33394	80	65	220	82	58	436			
3417	33395	79	64	180	72	75	334	86	106	236
3418	33396	80	69	213	96	82	399	92	104	131
3419	CO-51 (NC)	77	68	222	91	80	406	85	93	159
3420	33397	93	76	235	79	66	421	104	98	131
3421	33398	80	63	215	80	78	418	86	90	140
3422	33399	90	62	240	79	75	433	94	101	134
3423	33400	84	66	225	85	65	441	88	98	151
3424	33401	78	73	213	82	66	459	88	137	209
3425	33402	79	65	174	76	84	466	88	88	112
3426	33403	80	79	200	78	61	426	87	116	235
3427	33404	80	63	214	82	59	444	86	87	90
3428	33405	80	50	151	69	70	455	88	72	110
3429	33406	36	65	178	79	82	463	91	93	198
3430	33407	84	64	218	72	67	461	89	92	110
3431	33408	78	62	160	86	73	436	92	116	152
3432	33409	90	77	215	80	80	422	100	116	149
3433	33410	80	67	198	92	76	458	86	120	228
3434	33411	80	74	240	80	64	438	86	105	136
3435	33412	77	65	198	75	66	421	87	104	144
3436	33413	80	51	99	82	68	459	84	91	100
3437	33414	77	58	135	87	73	447	84	92	98
3438	33415	90	66	220	92	58	444	92	104	101
3439	33416	90	66	212	71	82	460	95	91	121
3440	33417	96	76	256	78	74	466	96	74	94
3441	33418	94	68	236	83	92	421	106	114	238
3442	33419	75	66	225	90	60	441			
3443	33420	84	62	206	91	57	433	94	104	152
3444	33421	80	64	188	82	72	470	88	104	266
3445	33422	80	64	110	75	83	430	85	69	101
3446	ZC	79	61	140	92	71	436			
3447	33423	92	85	256	80	62	434	94	117	132
3448	33424	94	63	195	92	83	431	98	92	129
3449	33425	88	63	180	77	76	420	86	89	100
3450	33426	75	70	208	83	65	423	86	106	116
3451	33427	91	69	226	82	73	434	92	102	96
3452	33428	89	64	220	82	70	441	92	79	123
3453	33429	96	66	248	78	80	463	101	89	121
3454	33430	91	79	248	93	68	465	95	113	152
3455	33431	80	65	224	72	60	420	86	110	194
3456	33432	84	62	222	79	70	434	91	92	110
3457	33433	88	63	222	92	56	438	86	101	122
3458	33434	94	67	242	99	72	456	88	95	136
3459	33435	96	64	190	78	74	431	92	91	132
3460	33436	78	63	176	85	66	433	85	104	132
3461	33437	77	76	222	82	68	406	86	95	126
3462	33438	81	63	155	78	70	454	92	96	210
3463	33439	89	62	240	87	91	436			
3464	LC	88	66	198	89	80	431	94	97	185
Experimental Mean		83	67	203	82	72	439	90	101	147

ADVANCE VARIETY TRIAL 2 & 1 - IRRIGATED MIDEARLY (AVT 2 & 1 - IME)

Locations: 48

Test Entries: 28

Checks: Gontra Bidhan-3 (National); PR 113-(Northern), Lalat (Eastern and North Eastern), Karjat 7 (Western), MTU 1010 (Central and Southern)-Zonal; US 312-Hybrid and Local Check

Table: 3

Advanced Variety Trial 2 & 1 - Irrigated Mid Early (AVT 2 & 1 - IME) was constituted with 28 test entries of which 8 and 20 were evaluated in third and second years of testing respectively. In third year, five varietal and three hybrid entries while in second year, 10 varietal and 10 hybrid entries were evaluated along with four checks. Gontra Bidhan-3 as National, PR-113 in Northern, Lalat in Eastern and North Eastern, MTU 1010 in Central and Southern, Karjat 7 in western as zonal checks, US 312 as hybrid check and local check were used in the trial. The trial was sent to 48 locations across II, III, IV, V, VI and VII zones, and the data was received from all the locations except Chiplima and Kathalgere. Trial failed at Kurumbapet. The range of various parameters across the zones is presented in the following table.

Zones	II	III	IV	V	VI	VII
Zonal mean (kg/ha)	4934 (NC)-6618 (IET 31448)	4879 (NC)-6411 (IET 33020)	2853 (IET 32436)-5926 (IET 31448)	4789 (LC)-6183 (IET 33028)	3864 (ZC)-5961 (IET 31448)	4477 (ZC)-6525 (IET 33046)
Exp Mean (kg/ha)	4180 (NGN)-8173 (KUL)	4589 (JYP)-7132 (VRN)	3860 (LMB)-4967 (TTB)	4654 (RPR)-6586 (ABP)	4322 (NWG)-6546 (VDG)	3771 (PTB)-7415 (KMP)
CV%	4.83 (PNT)-8.06 (KNP)	6.55 (NRRI)-12.57 (HTW)	8.5 (TTB)-14.18 (LMB)	6.41 (JPR)-15.36 (RPR)	7.69 (VDG)-14.03 (VYR)	5.18 (MTU)-12.68 (KNM)
DFF	90 (GB3)-105 (IET 32470)	91 (NC & IET 32467)-103 (IET 32465)	94 (NC)-114 (IET 30713)	92 (ZC) – 105 (IETs 30692 & 31589)	90 (ZC) – 101 (IET 31603)	78 (NC & ZC)-91 (IET 33014)
PH (cm)	94 (ZC)-113 (IET 31603)	100 (IET 30713)-147 (IET 33046)	101 (NC)-126 (IET 33048)	92 (IET 32470)-109 (IET 33028, LC & HC)	92 (ZC) – 117 (IETs 32436 & 33025)	93 (LC) – 111 (IET 33046)
Pan/m ²	238 (IET 33018)-284 (LC)	249 (NC) – 437 (IET 31589)	267 (IET 33025) - 353 (IET 30713)	223 (IETs 32436 & 33048) – 283 (IET 30692)	212 (IET 33018) - 257 (IET 32465)	322 (IET 33046) -395 (IET 33014)
DNI (@)	-	BKG CV (%):1.84	GER CV (%):34.63	JDP F cal: 1.38 (ns)	---	ADT F cal:1.67 (ns)
Locations considered	6	9	2	6	6	12

@DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

Among the entries that completed three years of testing, two hybrid (IETs 31448 and 31452) and two varietal (IETs 31603 and 30713) entries recorded required significant yield superiority and their three years performance is presented as a table. Among the entries in the second year of testing, seven varietal (IETs 32436, 32443, 32447, 32448, 32460, 32465 and

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32470) and six hybrid (IETs 33025, 33028, 33046, 33020, 33018 and 33048) entries recorded required significant yield superiority.

Performance of the entries with required significant yield superiority over checks in AVT 2 & 1 - IME during kharif 2025

S. No	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV) & Remarks
		II	III	IV	V	VI	VII	
	Entries in third year of testing							
1	31448 (Hybrid) HRI-217	6618 (1) *#	--	5926 (1) *#	5750(9)) *#	5961 (1) *#	--	LB, 66.5, 22.38, 22, 4.0
2	31603 (YNP- 7258) YNP 85/YNP 27	5567 *	5688 *	--	5904 (5) *#	557 0 (6) *	--	LB, 69.7, 21.41, 22, 4.0
3	30713 (CR 4077-1357-5-4-2-1-1) PKV HMT/Vandana	--	5902 (6) *	--	--	--	--	MS, 66.8, 24.66, 22, 4.0
4	31452 (Hybrid) RRX-3341	--	--	--	5814 (7) *#	--	--	LS, 64.9, 27.01, 22, 4.0
	Entries in second year of testing							
1	32436 (HURS-24-2-IR 19A7492) IR04A429/DV 77// IRRI195/ JAMIR/4/IRRI 123/UCP 122// KHAO DAWK MALLI 105/ KOTKIAUS///IRRI 154/ BURIKATARI//IR00W10 2 /KALIBORO/5/IR 47761-27-1-3-6/PSB RC 28) (IR 56381-139-2-2)	5643 (10) *	5486 *	--	--	5516 (7) *	--	LB, 53.1, 27.74, 62, 4.0 Dropped because of low HRR
2	33025 (Hybrid) Kaveri-7429	6231 (3) *#	--	5898 (2) *#	5996 (2) *#	5787 (3)*#	--	LB, 55.1, 28.24, 52, 4.0 Dropped-high AC and low GC
3	33028 (Hybrid) BAYR-4304	6181 (4) *#	--	--	6183(1) *#	--	--	LB, 44.2, 25.57, 51, 7.0 Dropped because of low HRR
4	33046 (Hybrid) PHI-24106	6395 (2) *#	--	5731 (3) *#	5976 (3) *#	--	652 5 (1) *#	LS, 55.6, 22.64, 58, 4.0 Promoted in Z II, IV, V, VII
5	32443 (SHUATS Dhan 10-IR18A1811) IR 99054-B-B-29/IR09A224	--	5423 *	--	--	--	--	LS, 67.7, 27.80, 100, 4.0 Promoted in zone III
6	32447 (NWGR 19202) Jaya/IIRON-M-I-204/2-3-1-1-1-2-6	--	5823 (7) *	--	--	-	--	LB, 70.0, 24.75, 95, 4.0 Promoted in zone III
7	32448 (KNM 13555) MTU 1156/WGL 1097// MUTNS1	--	5422 *	--	--	--	--	LS,55.0, 23.5, 49, 4.0 Promoted in zone III
8	32460 (NP 7250) NPG 10/NPGMKDH//NPG 10	--	5698 *	--	--	--	--	LB, 67.0, 25.16, 58, 7.0 Promoted in zone III
9	32465 (KJTRH-2205R KJT 184/BPT 5204	--	5524 *	--	5919 (4) *#	5803 (2) *#	5891 (3) *#	MS, 53.7, 27.83, 75, 4.0 Promoted in zone III, V, VI, VII
10	32470 (BRR-2186) CRL22/MTU1071-TCN-188	--	5570 *	5576(4)) *#	--	--	--	SB, 42.6, 28.30, 97, 4.0 Dropped because of low HRR

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S. N o	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV) & Remarks
		II	III	IV	V	VI	VII	
11	33020 (Hybrid) VNR-238	--	--	--	5851 (6) *#	--	--	LB, 56.3, 26.34, 64, 7.0 Promoted in zone V
12	33018 (Hybrid) Indam 200-060	--	--	--	5795 (8) *#	--	--	LB, 45.6, 24.34, 65, 7.0 Dropped because of low HRR
13	33048 (Hybrid) PHI-24107	--	--	--	--	--	6061 (2) *#	LB, 35.5, 28.51, 57, 4.0 Dropped because of low HRR
	NC	4934	4879	3433	5363	4768	5565	
	ZC	5043	5077	4469	5016	3864	4477	
	LC	5329	4988	3737	4789	4906	5436	
	HC	5665	6222	3953	5425	5227	5717	
	CD	209	249	510	295	462	227	
	BC+CD	5538	5326	4979	5658	5368	5792	
	HC+CD	5874	6471	4463	5720	5689	5944	

Three-year (2023 to 2025) performance of the entries in IME ecology: Four out of eight entries completed three years of testing with required significant yield advantage in the third year of testing over the checks. Yield performance along with ranks across three years in various zones for all the eight entries in the third year of testing in 2025 in AVT 2 & 1 - IME trial is given in the following table.

Three-year (2023 to 2025) performance of the entries in IME ecology

IET No	Year	II	III	IV	V	VI	VII	Remarks
31448 (Hybrid) HRI-217	2025	6618(1)*#	--	5926(1)*#	5750(9)*#	5961(1)*#	--	Promising for Zones II, IV, & VI
	2024	6481(1)*#	6370(8)*	5176(4)*#	6122(5)*#	6178(2)*#	6557(4)#	
	2023	7508	6768(2)*#	6930(3)@	6449 (10)	5837	6793	
31603 (YNP- 7258) YNP 85/YNP 27	2025	5567*	5688*	--	5904(5)*#	5570 (6) *	--	Promising for Zones II, III, V & VI
	2024	6176(2)*#	5946*	4683	6163(4)*#	6305(1)*#	6172	
	2023	5941 (3)	5500 (4)*	5593	6426 (1)	6157 (1)*	6919 (1)*	
30713 (CR 4077- 1357-5-4- 2-1-1) PKV HMT /Vandana	2025	--	5902 (6)*	--	--	--	--	Promising for Zone III only
	2024	5232(9)	6200*	5306(3)*#	5314(9)	5836(3)	6321(7)	
	2023	4258	5717(1)*	6289 (7)	5637	5963 (2)	6395 (7)	
31452 (Hybrid) RRX- 3341	2025	--	--	4669(7)#	5814(7)*#	--	--	Promising for Zones III & V
	2024	5468(8)#	6561(3)*#	5702(2)*#	6437(1)*#	5672 (7)	6383 (5)	
	2023	8451 (2)	6642(4)*#	6710(6)@	6823(5)*#	6209 (4)	7574 (2)	
31589 (CR 4415-3-1- 3-1-3-1)	2025	--	5182	--	5334	--	--	No significant superiority for at least two years in any zone; Not promising
	2024	4966	6260*	4317	5551(7)*	5007 (10)	6315(9)	
	2023	4836	5322 (9)	5784	5318	5658(4)	6844(2)*	
31466 (AGRH- 01)	2025	--	5509*	--	--	--	--	Promising for Zone III
	2024	--	6525(5)*#	--	--	--	--	
	2023	7330	6491(9)*#	5943	5773	5653	7364(5)	
31608	2025		--	3263	--	--	--	Promising for

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IET No	Year	II	III	IV	V	VI	VII	Remarks
(CR4396-291-2-6)	2024	--	--	4950(6)*	--	--	--	Zone IV
	2023	5347	5058	6835(1)*	4871	4977	5882	

Note: IET 30692 was not included for testing in zone IV during kharif 2025, hence will be included for testing Zone –IV in kharif 2026.

SUMMARY

ADVANCE VARIETY TRIAL 2 & 1 Irrigated Medium Early (AVT 2 & 1 - IME)

Locations: 48

Test entries: 28

Checks: Gontra Bidhan-3 (National); PR 113-(Northern), Lalat (Eastern and North Eastern), Karjat 7 (Western), MTU 1010 (Central and Southern)-Zonal; US 312-Hybrid and Local Check

List of the entries performed superior in AVT 2 - IME:

IET 31448 (Hybrid) HRI-217: Promising for Zones II, IV, & VI

IET 31603 (YNP- 7258) YNP 85/YNP 27 : Promising for Zones II, III, V & VI

IET 30713 (CR 4077-1357-5-4-2-1-1) PKV HMT /Vandana: Promising for Zone III only

IET 31452 (Hybrid) RRX-3341: Promising for Zones III & V

IET 31466 (AGRH-01): Promising for Zone III

IET 31608 (CR4396-291-2-6): Promising for Zone IV

Entries promoted to third year of testing (from AVT 1 - IME to AVT 2 - IME):

Zone II:	IET 33.046
Zone III:	IETs 32443, 32447, 32448, 32460 and 32465
Zone IV:	IETs 33046
Zone V:	IET 33046, 32465, 33020
Zone VI	IET 32465
Zone VII	IET 32465, 33046

Table No. 3.1: Composition of entries in Advance Variety Trial 2 & 1 – Irrigated Mid Early (AVT 2 & 1 – IME), Kharif 2025

Ent ry No.	IET No.	Designation	Cross Combination	Zone	Grain type
3501	30692*	NDR 8806-TFR-3	MTU1010 / Bauni Pusa Basmati Mutant	V	MS
3502	31448 (H)*	HRI-217	Hybrid	II,IV, V,VI	LB
3503	31452 (H)*	RRX-3341	Hybrid	III,IV,V	LS
3504	31466 (H)*	AGRH-01	Hybrid	III	LB
3505	31589*	CR 4415-3-1-3-1-3-1	CR 3580-7-3-1-1-1-1/CR 3561-3-2-1-1-1-1	III,V	SB
3506	31603*	YNP-7258	YNP 85 / YNP 27	II,III, V,VI	LB
3507	31608*	CR 4396-291-2-6	Lalat MAS*2 / CR Dhan 801	IV	MS
3508	Gontra Bidhan 3 (National Check)				
3509	30713*	CR 4077-1357-5-4-2-1-1	PKV HMT / Vandana	III,IV,V	MS
3510	31456 (H) (R)	TMRH-5786	Hybrid	III	LS
3511	31635	RNR 31755	IR 10A 155 / MTU 1010	VII	LS
3512	32436	HURS-24-2-IR 19A7492	IR04A429/DV 77//IRRI 195/JAMIR/4/IRRI 123/UCP 122//KHAO DAWK MALLI 105/KOTKI AUS//IRRI 154/BURI KATARI//IR00W102/KALIBORO/5/IR 47761-27-1-3-6/PSB RC 28 (IR 56381-139-2-2)	II,III,IV, V,VI,VII	LB
3513	32440	CR4379-4-3-1-1-1-2	CR Dhan307/ MTU 1010	VII	MS
3514	32443	SHUATS Dhan 10 (IR 18A1811)	IR 99054-B-B-29/IR09A224	III	LS
3515	32447	NWGR 19202	Jaya/IIRON-M-I-204/2-3-1-1-1-2-6	III	LB
3516	PR 113 (Northern) Lalat (Eastern and North Eastern) MTU 1010 (Central and Southern) Karjat 7 (Western) (ZC)				
3517	32448	KNM 13555	MTU 1156/WGL 1097//MUTNS1	III	LS
3518	32460	NP 7250	NPG 10/NPG MKDH//NPG 10	III	LB
3519	32465	KJTRH-2205R	KJT 184/BPT 5204	II,III,IV, V,VI,VII	MS
3520	32467	ORJ 1343 (TP 30438)	IR 09M924/IR688293	III	LB
3521	32470	BRR-2186	CRL22/MTU1071-TCN-188	II,III,IV, V,VI,VII	SB
3522	33014 (H)	NS-6120	Hybrid	II,III,IV, V,VI,VII	LB
3523	33018 (H)	Indam 200-060	Hybrid	II,III,IV, V,VI,VII	LB
3524	33020 (H)	VNR-238	Hybrid	II,III,IV, V,VI,VII	LB
3525	33023 (H)	Dhoom-09	Hybrid	II	LB
3526	33025 (H)	Kaveri-7429	Hybrid	II,III,IV, V,VI,VII	LB
3527	33028 (H)	BAYR-4304	Hybrid	II,III,IV, V,VI,VII	LB
3528	US 312 (Hybrid Check)				MS
3529	33038 (H)	Pusa RH-69	Hybrid	III	LS
3530	33046 (H)	PHI-24106	Hybrid	II,III,IV, V,VI,VII	LS
3531	33048 (H)	PHI-24107	Hybrid	II,III,IV, V,VI,VII	LB
3532	Local Check				

Table No. 3.2: Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No		IET No	ZONE II - NORTHERN														ZONE II -	
			Haryana		Jammu & Kashmir		Punjab		Uttarakhand		Uttar Pradesh		Uttar Pradesh (2)		NORTHERN (6)			
Kaul		Chata		Ludhiana		Pantnagar		Nagina		Kanpur		Mean		Mean				
3502	31448 (H)*	9133	1*#	5711	1*#	7017	1*#	7413	3*	4869	2#	5567	7*	5218	5*	6618	1*#	
3506	31603*	8716	4#	4867	6	4641	10#	6841		3912		4425		4168		5567	*	
3508	Contra Bidhan 3 (NC)	8120	10	3311		3330		6368		5022	1	3455		4238		4934		
3512	32436	8213	9#	4667	10	5009	8#	6964	9*	4648	3#	4360		4504	10	5643	10*	
3516	ZC	7778		4378		3912		5504		3983		4706		4344		5043		
3519	32465	7538		4933	5	4731	9#	6538		4010	10	3668		3839		5236		
3521	32470	7364		4733	7	3979		5793		4045	9	3941		3993		4976		
3522	33014 (H)	8060		4600		3866		7164	8*	4075	7	6461	4*	5268	4*	5704	5*	
3523	33018 (H)	8667	5#	5067	3#	3328		6689		3942		4743	10	4342		5406		
3524	33020 (H)	8471	6#	4089		5153	7#	6932	10*	4141	5	5401	8	4771	8*	5698	6*	
3525	33023 (H)	8307	8#	4133		4520	#	7398	5*	4133	6	5646	6*	4889	7*	5689	7*	
3526	33025 (H)	8776	3#	4511		6308	2*#	7854	1*	3983		5952	5*	4967	6*	6231	3*#	
3527	33028 (H)	8369	7#	5178	2#	5362	3#	7471	2*	4053	8	6652	3*	5353	3*	6181	4*#	
3528	US 312 (HC)	7240		4489		3854		7402	4	3942		7063	2	5502	2	5665	9	
3530	33046 (H)	8796	2#	4722	9	5289	4#	7309	6*	4343	4#	7912	1*#	6127	1*#	6395	2*#	
3531	33048 (H)	7673		4733	8	5191	6#	7210	7*	4007		5283	9	4645	9	5683	8*	
3532	LC	7724		5044	4	5243	5	5753		3961		4250		4105		5329		
Experimental Mean		8173		4657		4749		6859		4180		5264		4722		5647		
CD(0.05)		825		544		565		551		361		706		338		209		
CV(%)		6.07		7.02		7.15		4.83		5.19		8.06		4.3		2.23		
F val		3.74**		7.68**		25.84**		12.4**		7.36**		26.07**		28.12**		45.05**		
DOS		02-06-2025		05-06-2025		30-05-2025		06-06-2025		26-06-2025		30-06-2025						
DOP		05-07-2025		04-07-2025		01-07-2025		28.06.2025		23-07-2025		04-08-2025						
Local Check Name		HKR 47		SJR-5		PR130		Pant Dhan 12		PR 113		PB-1						

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Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN													
		Jharkhand		Odisha				Odisha (2)		Uttar Pradesh				Uttar Pradesh (2)	
		Ranchi		NRRI		Jeypore		Mean		Masodha		Varanasi		Mean	
3503	31452 (H)*	3889		6103		6518	1*#	6310	4*	6001	10*#	7417		6709	8
3504	31466 (H)*	4067		7022	9	5069	7	6046	8*	6500	2*#	5627		6064	
3505	31589*	4933		6335		4712		5524		5701	*	6618		6159	
3506	31603*	5844	2	6293		5327	5	5810		5745	*	6438		6091	
3508	Contra Bidhan 3 (NC)	4956		6740		4258		5499		5063		3990		4526	
3509	30713*	5778	3	7484	7	4267		5875		4105		6873		5489	
3510	31456 (H) (R)	5511	6	8005	5*	4007		6006	9	6478	3*#	6483		6481	
3512	32436	5356	9	6451		4012		5231		4580		7868	7	6224	
3514	32443	5133		6627		3115		4871		4864		7350		6107	
3515	32447	5156	10	7411	8	3935		5673		6031	9*#	7890	6	6961	5*#
3516	ZC	4067		5920		4744	10	5332		4514		4264		4389	
3517	32448	3733		5843		4121		4982		4373		6562		5467	
3518	32460	3978		7771	6*	3738		5755		5235		8506	3#	6870	7*#
3519	32465	4156		6677		5819	2*	6248	6*	5267		6663		5965	
3520	32467	3956				5740	3*	5740		4487		6929		5708	
3521	32470	4533		6571		3743		5157		6656	1*#	7447		7052	4*#
3522	33014 (H)	3689		6994	10	4984	9	5989	10	6440	4*#	7759	9	7100	3*#
3523	33018 (H)	4933		6984		5573	4*	6279	5*	6110	7*#	7673	10	6891	6*#
3524	33020 (H)	5044		8017	4*	4994	8	6506	3*	6137	6*#	8900	1*#	7519	2*#
3526	33025 (H)	5644	5	9203	2*	4484		6844	2*	6102	8*#	6674		6388	
3527	33028 (H)	5711	4	6577		4080		5329		5251		7778	8	6514	10
3528	US 312 (HC)	5867	1	9654	1	5170	6	7412	1	5188		7372		6280	
3529	33038 (H)	4578		6630		4714		5672		4948		7571		6260	
3530	33046 (H)	5489	7	8470	3*	3875		6172	7*	5216		8101	4	6658	9
3531	33048 (H)	5400	8	6798		4396		5597		6348	5*#	8754	2#	7551	1*#
3532	LC	4133		6366		3916		5141		4774		7924	5	6349	
Experimental Mean		4828		7078		4589		5808		5466		7132		6299	
CD(0.05)		993		762		820		525		601		879		514	
CV(%)		12.54		6.55		10.89		5.51		6.7		7.51		4.98	
F val		4.37**		13.22**		7.41**		10.02**		12.97**		14.34**		17.75**	
DOS		6/26/2025		6/30/2025		6/29/2025				6/27/2025		6/3/2025			
DOP		7/16/2025		7/31/2025		7/29/2025				8/4/2025		7/2/2025			
Local Check Name		BVD-203		CR Dhan 805		Kalinga Dhan 1203				IR 64-Sub 1		HUR-4-3			

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN										ZONE III - EASTERN (9)	
		West Bengal								West Bengal (4)		Mean	
		Malda		Bankura		chinsurah		Hatwara		Mean		Mean	
3503	31452 (H)*	5344		5872	#	5283		5591	2	5523	9	5780	8*
3504	31466 (H)*	4967		7367	1#	5471		3493		5324		5509	*
3505	31589*	5363		4772		4235		3966		4584		5182	
3506	31603*	5863		5739	#	4878		5066		5387		5688	*
3508	Contra Bidhan 3 (NC)	4170		6078	9	4151		4502		4725		4879	
3509	30713*	6578	1*	6772	5#	5929	9*	5329	10	6152	1*#	5902	6*
3510	31456 (H) (R)	5126		4872		5204		5435	5	5159		5680	*
3512	32436	5926	9	6200	8#	4437		4544		5277		5486	*
3514	32443	6378	5	4811		5198		5335	8	5430		5423	*
3515	32447	6500	3	4350		6304	3*	4826		5495		5823	7*
3516	ZC	5374		7222	2	4989		4601		5547	8	5077	
3517	32448	5930	8	7083	4#	5934	8*	5216		6041	5*	5422	*
3518	32460	5915	10	5917	10#	5230		4992		5513	10	5698	*
3519	32465	5967	7			4230		5410	6	5202		5524	*
3520	32467	5400		4933		4910		3790		4758		5018	
3521	32470	6444	4	5289		4910		4535		5295		5570	*
3522	33014 (H)	5059		4367		5405		5056		4972		5528	*
3523	33018 (H)	4296		4233		5976	7*	5750	1*	5064		5725	10*
3524	33020 (H)	5722		7161	3#	6643	1*	5077		6151	2*#	6411	1*
3526	33025 (H)	5704		6578	6#	6439	2*	5557	4	6069	4*	6265	2*
3527	33028 (H)	5830		5111		6220	4*	5382	7	5635	7	5771	9*
3528	US 312 (HC)	6267	6	4750		6161	5	5570	3	5687	6	6222	3
3529	33038 (H)	5715		5033		4296		4497		4885		5331	*
3530	33046 (H)	6515	2	6467	7#	6082	6*	5334	9	6099	3*#	6172	4*
3531	33048 (H)	5393		5183		5918	10*	5202		5424		5932	5*
3532	LC	5581		4689		4426		3085		4445		4988	
Experimental Mean		5666		5634		5341		4890		5379		5616	
CD(0.05)		948		795		904		1008		411		249	
CV(%)		10.2		8.6		10.32		12.57		4.66		2.7	
F val		3.51**		12.7**		5.79**		3.73**		11.06**		20.86**	
DOS		6/22/2025		6/26/2025		6/16/2025		7/8/2025					
DOP		8/6/2025		8/8/2025		7/15/2025		8/7/2025					
Local Check Name		Kanak		Puapa		Shatabdi		Lalat					

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN	
		Bihar	
		@Bikramgunj	
3503	31452 (H)*	7621	
3504	31466 (H)*	7017	
3505	31589*	6967	
3506	31603*	6694	
3508	Gontra Bidhan 3 (NC)	7845	
3509	30713*	6586	
3510	31456 (H) (R)	7733	
3512	32436	6569	
3514	32443	7012	
3515	32447	7852	
3516	ZC	5646	
3517	32448	8594	4
3518	32460	8975	2
3519	32465	7704	
3520	32467	7311	
3521	32470	9308	1
3522	33014 (H)	8718	3
3523	33018 (H)	8060	10
3524	33020 (H)	8106	9
3526	33025 (H)	8254	5
3527	33028 (H)	8155	7
3528	US 312 (HC)	7646	
3529	33038 (H)	7286	
3530	33046 (H)	6205	
3531	33048 (H)	8122	8
3532	LC	8171	6
Experimental Mean		7621	
CD(0.05)		231	
CV(%)		1.84	
F val		114.92**	
DOS		7/2/2025	
DOP		7/29/2025	
Local Check Name		Sabour Vijay	

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN				ZONE IV - NORTH EASTERN (2)	
		Assam		Tripura		Mean	
		Titabar		Lembucherra			
3502	31448 (H)*	5778	6#	6074	2*	5926	1*#
3503	31452 (H)*	4741	#	4596	7	4669	7#
3507	31608*	4637	#	1889		3263	
3508	Gontra Bidhan 3 (NC)	2970		3896	10	3433	
3509	30713*	6302	1*#	3067		4684	6#
3512	32436	3455	#	2252		2853	
3516	ZC	3798		5141	5	4469	10
3519	32465	5662	7#	4178	9	4920	5#
3521	32470	6245	2*#	4907	6	5576	4*#
3522	33014 (H)	5800	5#	3519		4659	8#
3523	33018 (H)	4111	#	2204		3157	
3524	33020 (H)	4961	#	4233	8	4597	9#
3526	33025 (H)	5278	10#	6519	1*#	5898	2*#
3527	33028 (H)	5471	8#	2333		3902	
3528	US 312 (HC)	2644		5263	4	3953	
3530	33046 (H)	6148	3*#	5315	3	5731	3*#
3531	33048 (H)	6030	4#	1993		4011	
3532	LC	5375	9	2100		3737	
Experimental Mean		4967		3860		4413	
CD(0.05)		701		908		510	
CV(%)		8.5		14.18		6.96	
F val		21.98**		22.64**		28.92**	
DOS		20-06-2025		02-07-2025			
DOP		17-07-2025		26-07-2025			
Local Check Name		Numali		Tripura Nirog			

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Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN	
		Assam	
		@Gerua	
3502	31448 (H)*	2256	
3503	31452 (H)*	3263	4
3507	31608*	2729	9
3508	Gontra Bidhan 3 (NC)	1162	
3509	30713*	4016	2
3512	32436	1823	
3516	ZC	3102	7
3519	32465	3586	3
3521	32470	4071	1
3522	33014 (H)	3244	6
3523	33018 (H)	2094	
3524	33020 (H)	1860	
3526	33025 (H)	3263	5
3527	33028 (H)	2188	
3528	US 312 (HC)		
3530	33046 (H)	2816	8
3531	33048 (H)	2663	10
3532	LC	1793	
Experimental Mean		2702	
CD(0.05)		1556	
CV(%)		34.63	
F val		2.35*	
DOS		13-06-2025	
DOP		24-07-2025	
Local Check Name		Naveen	

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL									
		Chhattisgarh						Chhattisgarh (3)		Maharashtra	
		Ambikhapur		Bilaspur		Raipur		Mean		Sakoli	
3501	30692*	6362		5600		4154		5372		6733	3#
3502	31448 (H)*	6882	6	5267		4532	10	5560		4489	
3503	31452 (H)*	6538	10	5633	10	5641	3	5937	8*	5311	10
3505	31589*	7176	3*	5583		4418		5726		5222	
3506	31603*	6111		5450		5883	2	5815	10	6100	5#
3508	Gontra Bidhan 3 (NC)	6044		4550		4788	9	5127		6422	4
3512	32436	6869	7	5150		5427	4	5815	9	4400	
3516	ZC	5896		5767	8	2861		4841		6956	1
3519	32465	6496		8217	2*#	4286		6333	3*#	5644	7#
3521	32470	6311		6463	6#	3417		5397		5200	
3522	33014 (H)	6327		8250	1*#	3970		6182	5*	5633	8#
3523	33018 (H)	6893	5	5300		4268		5487		6822	2#
3524	33020 (H)	5887		8117	4*#	4037		6014	7*	4922	
3526	33025 (H)	6838	8	8200	3*#	4896	8	6645	1*#	3956	
3527	33028 (H)	7542	1*#	5883	7	5201	6	6209	4*	6078	6#
3528	US 312 (HC)	6582	9	5100		5377	5	5687		4500	
3530	33046 (H)	7184	2*	5167		5928	1	6093	6*	5333	9
3531	33048 (H)	7038	4*	7267	5*#	5079	7	6461	2*#	3733	
3532	LC	6162		5700	9	4256		5373		5222	
Experimental Mean		6586		6140		4654		5793		5404	
CD(0.05)		748		1037		1184		546		1018	
CV(%)		6.85		10.2		15.36		5.69		11.38	
F val		3.29		11.5		3.96		6.08		7.13	
DOS		02-07-2025		12-06-2025		21-06-2025				23-06-2025	
DOP		07-08-2025		09-07-2025		11-07-2025				15-07-2025	
Local Check Name		IGKV R2		IGKV R2 (Durgeshwari)		Durgeshwari				PKV Ganesh	

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL (6)	
		Madhya Pradesh			Madhya Pradesh (2)				
		Jabalpur		Rewa		Mean		Mean	
3501	30692*	4774		5438		5106		5510	
3502	31448 (H)*	6137	2*#	7191	1*#	6664	1*#	5750	9*#
3503	31452 (H)*	5619	6*#	6140	7	5880	7*	5814	7*#
3505	31589*	5128	*	4476		4802		5334	
3506	31603*	5237	8*	6641	4	5939	6*	5904	5*#
3508	Gontra Bidhan 3 (NC)	4528		5843		5186		5363	
3512	32436	5728	5*#	4189		4959		5294	
3516	ZC	4555		4062		4309		5016	
3519	32465	5210	9*	5661		5436	10	5919	4*#
3521	32470	4474		5914	10	5194		5296	
3522	33014 (H)	4992		3621		4306		5465	
3523	33018 (H)	5919	4*#	5569		5744	8	5795	8*#
3524	33020 (H)	6192	1*#	5952	9	6072	4*	5851	6*#
3526	33025 (H)	5155	10*	6932	3*	6044	5*	5996	2*#
3527	33028 (H)	5428	7*#	6967	2*	6198	2*#	6183	1*#
3528	US 312 (HC)	4883		6105	8	5494	9	5425	
3530	33046 (H)	5947	3*#	6297	6	6122	3*#	5976	3*#
3531	33048 (H)	4255		6392	5	5324		5627	10
3532	LC	3492		3905		3698		4789	
Experimental Mean		5140		5647		5393		5595	
CD(0.05)		546		894		625		295	
CV(%)		6.41		9.56		7		3.18	
F val		13.69		12.34		12.02		12.47	
DOS		14-06-2025		25-06-2025					
DOP		08-07-2025		27-07-2025					
Local Check Name		Kranti		JR 206					

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL	
		Chhattisgarh	
		@Jagadalpur	
3501	30692*	4164	
3502	31448 (H)*	3821	
3503	31452 (H)*	4313	5
3505	31589*	4254	7
3506	31603*	4231	8
3508	Gontra Bidhan 3 (NC)	2936	
3512	32436	3374	
3516	ZC	3233	
3519	32465	5033	1
3521	32470	4392	2
3522	33014 (H)	3921	
3523	33018 (H)	4205	9
3524	33020 (H)	3863	
3526	33025 (H)	4360	3
3527	33028 (H)	4332	4
3528	US 312 (HC)	4176	10
3530	33046 (H)	4113	
3531	33048 (H)	4262	6
3532	LC	3367	
Experimental Mean		4018	
CD(0.05)		1211	
CV(%)		18.21	
F val		1.38ns	
DOS		20-06-2025	
DOP		17-07-2025	
Local Check Name		IGKVR 2	

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN							
		Gujarat						Gujarat (3)	
		Navasari		Nawagam		Vyra		Mean	
3502	31448 (H)*	4401		6681	1*#	6569	1*#	5884	1*#
3506	31603*	4979	8	5000	5*	6538	2*#	5505	4*#
3508	Gontra Bidhan 3 (NC)	4599		2555		5047	10	4067	
3512	32436	4993	7	6167	2*#	5868	4#	5676	3*#
3516	ZC	3372		2044		4098		3171	
3519	32465	4997	6	4753	6	6276	3*#	5342	5*#
3521	32470	4728		4165	10	5187	8	4693	8
3522	33014 (H)	4905		3252		5538	6#	4565	9
3523	33018 (H)	5556	2#	2746		5061	9	4454	
3524	33020 (H)	5346	4	4660	8	5599	5#	5201	6#
3526	33025 (H)	5623	1#	5936	3*#	5483	7#	5681	2*#
3527	33028 (H)	4939	10	3349		3517		3935	
3528	US 312 (HC)	4379		4717	7	4199		4432	
3530	33046 (H)	5208	5	5307	4*#	4270		4928	7
3531	33048 (H)	5356	3	3541		4276		4391	
3532	LC	4951	9	4279	9	4273		4501	10
Experimental Mean		4896		4322		5113		4777	
CD(0.05)		1107		569		1196		726	
CV(%)		13.56		7.89		14.03		9.11	
F val		2.02*		46.4**		5.12**		8.66**	
DOS		18-06-2025		12-06-2025		18-06-2025			
DOP		14-07-2025		01-08-2025		19-07-2025			
Local Check Name		GNR-3		GNR 3		GNR 3			

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN								ZONE VI - WESTERN (6)	
		Maharashtra						Maharashtra (3)		Mean	
		Karjat		Radhanagari		Vadgaon		Mean		Mean	
3502	31448 (H)*	6409	2#	4254		7449	2	6037	3	5961	1*#
3506	31603*	5660	7	4273		6972	5	5635		5570	6*
3508	Gontra Bidhan 3 (NC)	4745		4959		6702	9	5469		4768	
3512	32436	4706		5070	10	6289		5355		5516	7*
3516	ZC	4080		4727		4861		4556		3864	
3519	32465	5909	4	5406	8	7478	1	6264	2*	5803	2*#
3521	32470	6741	1*#	5454	7	5041		5745	10	5219	9
3522	33014 (H)	4848	10	6172	3*	6476		5832	9	5199	10
3523	33018 (H)	4835		5921	5*	6048		5601		5028	
3524	33020 (H)	4675		6623	2*	6567	10	5955	5	5578	5*
3526	33025 (H)	5083	9	5201	9	7394	3	5893	8	5787	3*#
3527	33028 (H)	4095		6832	1*	6797	8	5908	6	4921	
3528	US 312 (HC)	5228	8	5925	4	6912	7	6022	4	5227	8
3530	33046 (H)	5954	3	5893	6	7232	4	6360	1*	5644	4*
3531	33048 (H)	5687	6	5043		6952	6	5894	7	5143	
3532	LC	5793	5	4582		5558		5311		4906	
Experimental Mean		5278		5396		6546		5740		5258	
CD(0.05)		888		959		839		604		462	
CV(%)		10.09		10.65		7.69		6.31		5.27	
F val		6.4**		5.51**		7.77**		4.26**		10.35**	
DOS		13-06-2025		06-06-2025		30-06-2025					
DOP		09-07-2025		04-07-2025		01-08-2025					
Local Check Name		Karjat 3		Phule Kollam		Pawana					

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Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Andhra Pradesh		Karnataka						Karnataka (3)	
		Maruteru		Brahmavar		Mugad		Mandya		Mean	
3508	Contra Bidhan 3 (NC)	4844		4087		4346		5468		4634	
3511	31635	5406	9	3838		4269		3751		3953	
3512	32436	6768	2*#	4920	3#	4304		6059	7	5094	10
3513	32440	3709		4428	7	4706	10	5681		4938	
3516	ZC	3838		4348	8	4260		4150		4253	
3519	32465	6504	4*#	4811	5#	4326		6523	2	5220	9
3521	32470	5854	7*	3405		5203	9*	4772		4460	
3522	33014 (H)	6148	5*#	4188	10	5414	8*	6078	6	5226	8
3523	33018 (H)	4590		4192	9	5522	7*	6487	3	5400	5*
3524	33020 (H)	5860	6*	5021	2#	6053	4*	5746	10	5607	3*
3526	33025 (H)	4776		3956		5653	6*	6326	4	5312	7
3527	33028 (H)	6555	3*#	3746		6904	1*#	6178	5	5609	2*
3528	US 312 (HC)	5518	8	4011		6087	3	5898	8	5332	6
3530	33046 (H)	7134	1*#	4453	6#	6583	2*	7381	1*#	6139	1*#
3531	33048 (H)	5051		5139	1#	5689	5*	5397		5408	4*
3532	LC	5230	10	4912	4	4198		5815	9	4975	
Experimental Mean		5487		4341		5220		5732		5097	
CD(0.05)		474		429		788		1027		405	
CV(%)		5.18		5.93		9.06		10.74		4.76	
F val		37.36**		11.63**		10.93**		6.47**		15.65**	
DOS		7/6/2025		6/14/2025		6/7/2025		7/21/2025			
DOP		7/28/2025		7/30/2025		Drill Sown		8/18/2025			
Local Check Name		MTU 1121		BMR-US-1-24-2		PSB-68		Thanu			

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Kerala				Kerala (2)		Puducherry		Telangana			
		Monocompu		Pattambi		Mean		Karaikal		Kunaram		Kampasagar	
3508	Contra Bidhan 3 (NC)	6067		4633	2	5350	7	4124	9	6007	3	6549	
3511	31635	5900		3796	5	4848		4333	8#	4688		6852	
3512	32436	5133		3420		4277		4771	5#	3444		7590	7
3513	32440	6133	10	3537		4835		4057	10#	6007	4	8472	2*#
3516	ZC	3300		3651	8	3476		4057		4110		6071	
3519	32465	6000		4224	3#	5112	9	3190		6591	1	7920	6
3521	32470	6800	7*	3901	4	5350	6	3343		6001	5	6855	
3522	33014 (H)	6867	6*	3530		5198	8	4914	3#	4902		6935	
3523	33018 (H)	9267	2*	3643	9	6455	2*	4733	6#	5379	9	7296	8
3524	33020 (H)	6800	7*	3332		5066	10	5029	1#	3898		7130	9
3526	33025 (H)	9767	1*#	3313		6540	1*#	4714	7#	5717	7	8179	3
3527	33028 (H)	8267	4*	3549		5908	4*	3105		3488		8127	4
3528	US 312 (HC)	8633	3	3558	10	6096	3	3229		5625	8	6867	
3530	33046 (H)	6200	9	3721	7	4960		4886	4#	6241	2	8815	1*#
3531	33048 (H)	8000	5*	3786	6	5893	5*	3857		5985	6	7926	5
3532	LC	3967		4740	1	4353		5029	1	5092	10	7062	10
Experimental Mean		6694		3771		5232		4211		5198		7415	
CD(0.05)		697		627		439		699		1099		1320	
CV(%)		6.25		9.97		5.03		9.96		12.68		10.67	
F val		54.34**		3.78**		29.04**		8.31**		7.06**		2.76**	
DOS		7/4/2025						9/17/2025		6/18/2025		7/5/2025	
DOP		7/28/2025						10/23/2025		7/17/2025		8/10/2025	
Local Check Name		PTB 39 (Jyothi)						KKL(R) 4		KNM 118		KNM-118	

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Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN								ZONE VII - SOUTHERN (12)	
		Telangana				Telangana (4)		Tamil Nadu			
		Rajendranagar		Warangal		Mean		Coimbatore		Mean	
3508	Gontra Bidhan 3 (NC)	6704	4	6681	6	6485	4	7272	3	5565	9
3511	31635	4915		6356	8	5703		5878	9	4999	
3512	32436	5734		7579	4#	6087	8	7485	2	5601	7
3513	32440	5070		4713		6066	9	7009	6	5294	
3516	ZC	5231		5143		5139		5565		4477	
3519	32465	5972	10	7614	3#	7024	3*#	7019	5	5891	3*
3521	32470	4566		5811	10	5808		4965		5123	
3522	33014 (H)	6100	9	4022		5490		5382		5373	
3523	33018 (H)	6681	5	4368		5931	10	5248		5617	6
3524	33020 (H)	7029	2	2212		5067		4484		5216	
3526	33025 (H)	6428	6	3099		5856		4940		5572	8
3527	33028 (H)	6393	7	7173	5#	6295	5	5709	10	5766	4
3528	US 312 (HC)	5946		6101	9	6135	7	7128	4	5717	5
3530	33046 (H)	7208	1#	8008	2*#	7568	1*#	7669	1	6525	1*#
3531	33048 (H)	6742	3	8749	1*#	7351	2*#	6409	8	6061	2*#
3532	LC	6342	8	6405	7	6225	6	6448	7	5436	10
Experimental Mean		6066		5877		6139		6163		5515	
CD(0.05)		1141		984		483		970		227	
CV(%)		11.28		10.04		4.72		9.44		2.47	
F val		3.93**		28.93**		17.73**		9.23**		35.15**	
DOS		7/16/2025		6/27/2025				6/24/2025			
DOP		8/12/2025		7/26/2025				7/22/2025			
Local Check Name		RNR 11718		WGL-44				TKM-13			

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN	
		Tamil Nadu	
		@Aduthurai	
3508	Gontra Bidhan 3 (NC)	5571	5
3511	31635	5690	3
3512	32436	5619	4
3513	32440	4714	
3516	ZC	5381	8
3519	32465	5262	
3521	32470	5095	
3522	33014 (H)	5238	
3523	33018 (H)	6929	1
3524	33020 (H)	5524	6
3526	33025 (H)	5095	
3527	33028 (H)	5262	10
3528	US 312 (HC)	5238	
3530	33046 (H)	5929	2
3531	33048 (H)	5381	8
3532	LC	5524	6
Experimental Mean		5466	
CD(0.05)		1077	
CV(%)		11.82	
F val		1.67ns	
DOS		6/30/2025	
DOP		8/3/2025	
Local Check Name		ADT 58	

Table No. 3.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN																		ZONE II - NORTHERN (6)		
		Haryana			Jammu & Kashmir			Punjab			Uttarakhand			Uttar Pradesh			Uttar Pradesh (2)			Mean		
		Kaul			Chata			Ludhiana			Pantnagar			Nagina			Kanpur			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3502	31448 (H)*	100	132	350	98	100	342	112	126	233	93	129	397	112	87	177	61	88	175	86	88	176
3506	31603*	104	135	337	103	103	182	115	128	196	96	126	391	115	88	197	65	97	223	90	92	210
3508	Gontra Bidhan 3 (NC)	100	131	305	95	89	198	100	110	229	85	115	416	94	99	167	68	82	267	81	91	217
3512	32436	100	124	302	101	104	299	113	124	244	96	124	313	103	104	170	62	58	198	82	81	184
3516	ZC	99	108	298	103	97	270	106	104	222	94	104	392	117	83	166	76	70	203	96	76	184
3519	32465	106	127	301	105	106	284	121	125	211	100	120	409	118	75	141	67	52	229	92	64	185
3521	32470	110	115	311	110	93	241	123	111	198	106	117	329	114	77	205	68	72	278	91	75	241
3522	33014 (H)	100	134	311	103	106	238	111	127	209	94	133	336	115	62	149	57	45	290	86	53	220
3523	33018 (H)	91	129	312	99	102	236	100	116	196	89	120	342	107	96	139	63	65	202	85	80	170
3524	33020 (H)	98	135	315	105	112	211	110	123	237	99	130	336	120	84	169	56	68	298	88	76	234
3525	33023 (H)	91	125	320	103	101	277	100	118	218	86	116	318	119	96	181	59	72	178	89	84	180
3526	33025 (H)	104	127	352	104	108	361	110	127	218	96	122	333	118	85	177	57	58	238	87	72	207
3527	33028 (H)	98	131	326	100	111	168	105	127	200	92	122	322	110	86	198	53	78	269	81	82	234
3528	US 312 (HC)	96	134	316	99	89	257	105	126	216	92	125	380	108	97	181	59	90	313	84	93	247
3530	33046 (H)	99	129	329	103	110	222	107	123	192	93	113	295	116	92	155	61	65	327	88	79	241
3531	33048 (H)	99	118	308	101	105	315	108	121	235	92	111	329	113	84	177	63	58	260	88	71	219
3532	LC	99	117	341	102	123	347	105	107	229	83	105	380	110	91	171	69	68	238	90	79	204
Experimental Mean		99	126	319	102	103	261	108	120	216	93	119	354	112	87	171	62	69	246	87	79	209
Standard Error		0.56			0.8			0.69			0.59			1.41			1.14			0.92		
																				0.37		

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Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN																					
		Jharkhand			Odisha						Odisha (2)			Uttar Pradesh						Uttar Pradesh (2)			
		Ranchi			NRRI			Jeypore			Mean			Masodha			Varanasi			Mean			
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	
3503	31452 (H)*	97	112	249	97	119	411	102	94	319	100	106	365	102	91	261	94	124	231	98	107	246	
3504	31466 (H)*	87	110	218	94	116	436	97	97	279	96	106	358	102	107	319	90	116	210	96	111	264	
3505	31589*	105	104	274	101	117	546	99	87	286	100	102	416	109	102	263	108	108	258	109	105	260	
3506	31603*	95	109	144	103	111	313	103	93	199	103	102	256	108	109	267	98	121	209	103	115	238	
3508	Contra Bidhan 3 (NC)	85	108	157	89	100	262	97	89	190	93	94	226	108	87	245	86	108	176	97	97	211	
3509	30713*	107	96	189	87	107	354	94	88	308	90	98	331	105	81	238	120	112	224	113	97	231	
3510	31456 (H) (R)	88	114	233	96	115	411	102	90	282	99	103	346	110	97	339	90	117	184	100	107	262	
3512	32436	74	114	194	98	120	374	101	93	194	100	107	284	109	101	251	101	122	195	105	112	223	
3514	32443	98	112	173	109	117	401	92	95	174	100	106	288	109	101	245	103	126	200	106	114	223	
3515	32447	98	109	201	101	116	439	91	94	177	96	105	308	105	118	283	111	131	216	108	125	250	
3516	ZC	89	119	243	101	120	405	104	93	185	102	106	295	108	102	254	104	140	235	106	121	244	
3517	32448	95	110	159	99	120	324	103	93	163	101	106	243	106	102	256	99	130	209	103	116	233	
3518	32460	103	116	154	102	122	333	95	96	203	99	109	268	102	107	259	101	141	193	102	124	226	
3519	32465	108	102	190	105	124	273	101	94	304	103	109	288	104	98	259	108	129	236	106	114	248	
3520	32467	86	105	116				102	97	201	102	97	201	106	99	246	89	126	239	97	112	242	
3521	32470	105	89	209	106	104	249	98	89	196	102	97	222	103	87	294	108	122	226	106	105	260	
3522	33014 (H)	92	112	196	94	119	372	104	95	313	99	107	342	108	110	265	98	124	238	103	117	251	
3523	33018 (H)	89	112	205	92	115	363	103	95	281	98	105	322	105	101	297	93	116	218	99	109	258	
3524	33020 (H)	90	118	199	98	121	508	101	94	288	99	108	398	103	108	290	96	131	165	100	120	228	
3526	33025 (H)	88	117	213	103	117	498	102	93	231	102	105	364	109	90	274	95	119	232	102	105	253	
3527	33028 (H)	90	118	216	98	119	354	100	93	258	99	106	306	101	117	283	92	116	237	97	116	260	
3528	US 312 (HC)	89	118	195	97	121	531	101	94	264	99	108	397	104	114	272	90	121	226	97	118	249	
3529	33038 (H)	87	114	191	94	115	385	101	95	214	98	105	300	103	110	275	90	112	224	96	111	249	
3530	33046 (H)	91	449	190	96	121	286	101	89	208	99	105	247	109	102	283	97	117	184	103	110	234	
3531	33048 (H)	89	102	227	94	113	346	96	84	311	95	99	329	107	89	288	96	110	234	102	100	261	
3532	LC	109	115	223	95	119	378	100	88	199	98	103	288	91	85	257	100	103	284	95	94	270	
Experimental Mean		93	123	198	97	116	382	99	92	239	99	104	307	105	100	271	98	120	218	102	111	245	
Standard Error		2.27			0.59			0.83			0.58			0.67			0.45				0.4		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN															ZONE III - EASTERN (9)			
		West Bengal												West Bengal (4)						
		Malda			Bankura			chinsurah			Hatwara			Mean			Mean			
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	
3503	31452 (H)*	103	107	395	91	105	347	96	118	396	96	126	262	96	114	350	98	111	319	
3504	31466 (H)*	101	117	363	93	104	375	93	117	396	90	123	223	94	115	339	94	112	313	
3505	31589*	108	117	383	85	125	1470	99	102	231	105	113	220	99	114	576	102	108	437	
3506	31603*	101	125	409	85	111	392	98	102	253	96	121	202	95	115	314	99	111	265	
3508	Contra Bidhan 3 (NC)	97	102	328	85	112	407	91	101	275	85	105	204	89	105	303	91	101	249	
3509	30713*	111	106	420	86	105	368	103	101	275	105	100	206	101	103	317	102	100	287	
3510	31456 (H) (R)	98	122	345	89	117	412	93	112	275	90	108	231	93	115	316	95	110	301	
3512	32436	105	112	409	86	112	413	102	115	242	89	109	228	95	112	323	96	111	278	
3514	32443	108	124	406	91	105	364	99	114	242	100	110	222	99	113	308	101	111	270	
3515	32447	120	127	370	85	111	392	95	112	253	97	115	204	99	116	305	100	115	282	
3516	ZC	102	115	347	90	121	385	94	121	429	93	120	219	95	119	345	98	117	300	
3517	32448	104	119	366	95	102	405	96	108	275	98	107	216	98	109	316	99	110	264	
3518	32460	103	151	383	86	112	344	98	122	264	97	123	232	96	127	306	99	121	263	
3519	32465	105	103	373				99	101	440	97	122	247	100	109	353	103	109	290	
3520	32467	85	125	334	85	104	386	93	120	528	85	121	214	87	117	366	91	112	283	
3521	32470	106	102	393	85	107	408	98	106	550	101	98	218	97	103	392	101	101	305	
3522	33014 (H)	103	110	334	85	109	389	96	109	561	98	117	217	96	112	375	98	112	321	
3523	33018 (H)	102	106	320	91	113	354	93	108	275	93	119	249	95	111	299	96	109	285	
3524	33020 (H)	101	128	365	92	107	356	96	101	462	95	120	215	96	114	350	97	114	317	
3526	33025 (H)	104	111	357	92	117	363	98	109	319	95	115	243	97	113	320	98	110	303	
3527	33028 (H)	103	132	380	84	105	365	93	111	539	93	109	208	93	114	373	95	113	316	
3528	US 312 (HC)	99	134	365	86	110	376	93	116	297	93	113	221	93	118	315	95	116	305	
3529	33038 (H)	97	127	380	91	106	379	91	120	220	90	113	250	92	117	307	94	112	280	
3530	33046 (H)	102	131	393	87	97	384	93	106	275	94	108	227	94	111	320	97	147	270	
3531	33048 (H)	104	99	382	84	104	372	96	106	341	93	101	234	94	102	332	95	101	304	
3532	LC	120	121	372	85	117	408	91	101	407	90	106	213	97	111	350	98	106	305	
Experimental Mean		103	118	372	87	109	424	95	109	346	94	113	224	95	113	341	97	112	297	
Standard Error		0.73			0.8			0.88			0.41			0.34			0.33			

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN		
		Bihar		
		@ Bikramgunj		
		DFF	PH	PAN
3503	31452 (H)*	90	114	383
3504	31466 (H)*	89	108	361
3505	31589*	107	97	369
3506	31603*	92	117	335
3508	Gontra Bidhan 3 (NC)	85	105	320
3509	30713*	109	104	389
3510	31456 (H) (R)	86	111	370
3512	32436	87	114	388
3514	32443	92	110	332
3515	32447	91	113	400
3516	ZC	90	111	341
3517	32448	88	114	378
3518	32460	90	120	363
3519	32465	94	116	333
3520	32467	85	118	348
3521	32470	94	104	370
3522	33014 (H)	86	110	373
3523	33018 (H)	87	110	389
3524	33020 (H)	91	109	392
3526	33025 (H)	88	109	374
3527	33028 (H)	86	109	350
3528	US 312 (HC)	85	112	370
3529	33038 (H)	84	114	337
3530	33046 (H)	90	113	381
3531	33048 (H)	85	118	358
3532	LC	86	108	385
Experimental Mean		89	111	364

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN						ZONE IV - NORTH EASTERN (2)		
		Assam			Tripura			Mean		
		Titabar			Lembucherra					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3502	31448 (H)*	99	123	364	103	102	250	101	112	307
3503	31452 (H)*	101	134	365	103	92	275	102	113	320
3507	31608*	108	128	396	105	107	267	106	118	331
3508	Gontra Bidhan 3 (NC)	87	117	357	101	85	258	94	101	308
3509	30713*	119	117	414	110	104	292	114	111	353
3512	32436	103	134	384	103	109	225	103	121	304
3516	ZC	104	132	422	103	106	200	104	119	311
3519	32465	105	135	415	102	113	208	103	124	312
3521	32470	109	123	402	104	87	183	107	105	293
3522	33014 (H)	102	128	391	102	117	242	102	123	316
3523	33018 (H)	92	123	372	102	105	233	97	114	303
3524	33020 (H)	98	136	376	101	101	167	100	118	271
3526	33025 (H)	99	129	384	102	102	150	100	115	267
3527	33028 (H)	96	131	360	99	105	225	98	118	292
3528	US 312 (HC)	96	129	364	98	100	217	97	115	290
3530	33046 (H)	98	127	387	101	101	217	100	114	302
3531	33048 (H)	99	144	380	99	109	200	99	126	290
3532	LC	113	125	383	100	97	217	106	111	300
Experimental Mean		101	128	384	102	102	223	102	115	304
Standard Error		0.55			0.75			0.55		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN		
		Assam		
		@Gerua		
		DFF	PH	PAN
3502	31448 (H)*	101	111	227
3503	31452 (H)*	101	119	244
3507	31608*	109	108	239
3508	Gontra Bidhan 3 (NC)	92	104	228
3509	30713*	116	110	289
3512	32436	101	121	249
3516	ZC	104	128	252
3519	32465	104	108	223
3521	32470	109	100	240
3522	33014 (H)	101	120	218
3523	33018 (H)	98	112	225
3524	33020 (H)	101	116	245
3526	33025 (H)	101	112	252
3527	33028 (H)	98	118	219
3528	US 312 (HC)			
3530	33046 (H)	101	120	225
3531	33048 (H)	101	107	233
3532	LC	101	126	254
Experimental Mean		102	114	238

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL													
		Chhattisgarh								Chhattisgarh (3)			Maharashtra		
		Ambikhapur			Bilaspur		Raipur			Mean			Sakoli		
		DFF	PH	PAN	DFF	PH	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3501	30692*	108	95	211	114	102	76	120	199	99	106	205	117	102	386
3502	31448 (H)*	106	96	166	98	103	93	118	213	99	106	189	95	124	288
3503	31452 (H)*	103	98	169	98	110	93	128	206	98	112	188	95	122	294
3505	31589*	109	88	195	110	95	96	112	223	105	98	209	106	98	303
3506	31603*	107	90	166	102	102	99	119	199	103	104	182	99	115	364
3508	Gontra Bidhan 3 (NC)	102	84	154	96	103	90	115	202	96	101	178	89	120	380
3512	32436	110	102	175	103	105	99	124	201	104	110	188	99	126	269
3516	ZC	98	99	184	93	93	86	112	192	92	101	188	84	122	384
3519	32465	106	89	183	103	103	99	112	190	103	101	187	98	115	252
3521	32470	108	75	197	105	90	97	114	190	103	93	193	103	95	293
3522	33014 (H)	106	96	170	100	113	98	126	212	101	111	191	95	123	264
3523	33018 (H)	100	97	178	100	114	94	108	189	98	106	184	93	114	384
3524	33020 (H)	106	91	178	101	116	97	114	183	101	107	181	96	110	223
3526	33025 (H)	108	98	182	102	114	98	122	197	103	111	189	98	113	289
3527	33028 (H)	98	106	178	96	122	92	116	202	95	114	190	89	118	307
3528	US 312 (HC)	99	105	186	97	117	91	123	205	96	115	195	91	122	295
3530	33046 (H)	101	98	172	99	115	94	114	198	98	109	185	95	121	300
3531	33048 (H)	102	89	186	96	111	92	110	204	97	104	195	89	101	236
3532	LC	108	102	193	94	119	90	121	218	97	114	206	95	121	363
Experimental Mean		104	94	180	100	107	93	117	201	99	106	191	96	114	309
Standard Error		0.78			0		1.07			0.48			0.63		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL									ZONE V - CENTRAL		
		Madhya Pradesh						Madhya Pradesh (2)			(6)		
		Jabalpur			Rewa			Mean			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3501	30692*	116	79	270	97	110	350	106	94	310	105	101	283
3502	31448 (H)*	109	82	195	93	109	294	101	96	244	99	105	231
3503	31452 (H)*	110	86	182	93	100	299	102	93	240	99	107	230
3505	31589*	116	75	232	93	110	349	105	92	291	105	96	260
3506	31603*	110	81	150	92	101	302	101	91	226	102	101	236
3508	Gontra Bidhan 3 (NC)	105	78	152	99	113	295	102	95	224	97	102	237
3512	32436	110	86	158	91	100	313	100	93	236	102	107	223
3516	ZC	103	84	186	90	106	325	97	95	255	92	103	254
3519	32465	110	85	203	88	104	323	99	94	263	101	101	230
3521	32470	110	70	200	101	111	264	105	90	232	104	92	229
3522	33014 (H)	107	85	200	100	106	282	103	95	241	101	108	226
3523	33018 (H)	103	78	204	91	108	283	97	93	243	97	103	248
3524	33020 (H)	110	77	220	93	108	337	102	92	279	100	103	228
3526	33025 (H)	115	83	205	99	112	305	107	97	255	103	107	236
3527	33028 (H)	106	82	190	93	113	341	100	97	266	96	109	244
3528	US 312 (HC)	104	83	203	92	103	309	98	93	256	96	109	239
3530	33046 (H)	105	84	206	100	106	304	103	95	255	99	106	236
3531	33048 (H)	111	78	204	92	105	285	102	91	244	97	99	223
3532	LC	110	86	190	92	108	269	101	97	230	98	109	247
Experimental Mean		108	81	197	94	107	306	102	94	252	100	104	239
Standard Error		0.55			0.56			0.44			0.31		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL		
		Chhattisgarh		
		@Jagdalpur		
		DFE	PH	PAN
3501	30692*	98	78	212
3502	31448 (H)*	95	76	252
3503	31452 (H)*	95	82	281
3505	31589*	108	68	214
3506	31603*	103	85	224
3508	Gontra Bidhan 3 (NC)	90	71	194
3512	32436	96	80	259
3516	ZC	89	68	192
3519	32465	97	79	270
3521	32470	103	73	243
3522	33014 (H)	96	84	281
3523	33018 (H)	95	76	260
3524	33020 (H)	95	77	270
3526	33025 (H)	96	79	278
3527	33028 (H)	94	78	255
3528	US 312 (HC)	93	78	262
3530	33046 (H)	94	81	303
3531	33048 (H)	94	76	300
3532	LC	95	82	241
Experimental Mean		96	77	252

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN											
		Gujarat									Gujarat (3)		
		Navasari			Nawagam			Vyra			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3502	31448 (H)*	92	126	166	99	124	292	98	121	258	96	124	238
3506	31603*	94	132	182	101	128	291	103	120	217	99	127	230
3508	Gontra Bidhan 3 (NC)	83	128	214	114	107	273	88	112	220	95	116	235
3512	32436	94	139	206	99	118	291	103	118	243	99	125	246
3516	ZC	86	115	158	97	95	271	89	95	320	90	102	249
3519	32465	92	133	193	101	133	286	104	115	282	99	127	254
3521	32470	97	123	166	93	112	281	108	108	253	99	114	233
3522	33014 (H)	90	131	221	100	127	273	100	126	233	97	128	242
3523	33018 (H)	86	127	115	102	118	275	94	123	220	94	122	203
3524	33020 (H)	87	132	184	102	122	287	100	127	247	96	127	239
3526	33025 (H)	89	133	182	101	122	291	100	127	257	97	128	243
3527	33028 (H)	87	127	172	98	127	280	95	119	248	93	124	233
3528	US 312 (HC)	84	129	178	101	117	282	94	123	221	93	123	227
3530	33046 (H)	91	130	172	101	118	291	97	124	255	96	124	239
3531	33048 (H)	87	134	218	102	115	278	94	113	254	94	121	250
3532	LC	83	122	171	93	118	283	94	119	224	90	120	226
Experimental Mean		88	128	181	100	118	282	97	118	247	95	122	237
Standard Error		1.14			0.53			0.58			0.53		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (6)		
		Maharashtra									Maharashtra (3)			Mean		
		Karjat			Radhanagari			Vadgaonmaval								
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3502	31448 (H)*	99	120	259	105	93	152	104	98	293	102	103	235	99	114	237
3506	31603*	100	122	241	105	98	176	101	93	243	102	104	220	101	115	225
3508	Gontra Bidhan 3 (NC)	90	105	244	98	95	165	96	88	298	95	96	236	95	106	236
3512	32436	100	120	253	94	99	116	102	111	294	99	110	221	99	117	234
3516	ZC	87	95	261	92	74	201	92	75	260	90	81	241	90	92	245
3519	32465	100	120	282	101	89	148	98	93	349	100	100	260	99	114	257
3521	32470	98	111	242	105	79	150	99	82	266	101	91	219	100	103	226
3522	33014 (H)	98	119	231	102	91	169	99	97	280	100	102	227	98	115	235
3523	33018 (H)	91	113	236	101	93	173	98	95	254	97	100	221	95	111	212
3524	33020 (H)	90	122	253	101	95	170	98	94	267	96	104	230	96	115	234
3526	33025 (H)	96	117	247	102	97	185	99	106	254	99	107	229	98	117	236
3527	33028 (H)	94	118	249	98	93	165	98	97	249	97	102	221	95	113	227
3528	US 312 (HC)	91	124	268	97	87	155	98	89	297	96	100	240	94	112	233
3530	33046 (H)	95	126	276	99	96	172	96	96	274	97	106	241	96	115	240
3531	33048 (H)	97	118	256	100	91	196	93	82	289	97	97	247	96	109	248
3532	LC	92	104	252	100	119	186	94	92	265	95	105	234	93	112	230
Experimental Mean		94	115	253	100	93	167	97	93	277	98	100	233	96	111	235
Standard Error		0.87			0.48			0.55			0.44			0.38		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh			Karnataka									Karnataka (3)		
		Maruteru			Brahmavar			Mugad			Mandya			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3508	Gontra Bidhan 3 (NC)	78	108	281	91	84	463	93	61	280	123	95	272	103	80	338
3511	31635	87	126	333	95	75	463	95	61	324	119	94	249	103	77	346
3512	32436	85	124	307	82	81	473	94	69	335	119	106	272	98	85	360
3513	32440	92	108	284	89	80	435	97	67	282	99	88	351	95	78	356
3516	ZC	79	117	284	90	62	447	99	70	328	98	99	249	96	77	342
3519	32465	90	133	287	89	70	448	99	64	326	99	101	272	96	79	349
3521	32470	92	122	314	106	62	462	92	71	342	121	86	283	107	73	363
3522	33014 (H)	88	119	314	111	81	436	97	81	360	122	102	283	110	88	360
3523	33018 (H)	84	121	294	102	78	444	96	86	365	122	93	261	107	85	356
3524	33020 (H)	89	120	290	99	82	437	95	81	352	119	99	295	104	87	361
3526	33025 (H)	92	126	277	87	91	466	95	77	351	114	99	329	99	89	382
3527	33028 (H)	88	122	320	88	91	473	103	66	390	92	98	306	94	85	390
3528	US 312 (HC)	86	131	343	82	91	418	86	70	328	119	100	249	96	87	332
3530	33046 (H)	89	68	310	96	82	439	83	81	337	120	97	272	100	87	349
3531	33048 (H)	89	106	327	102	64	443	85	66	369	85	88	306	91	73	373
3532	LC	100	121	323	103	67	427	100	65	272	98	105	306	101	79	335
Experimental Mean		88	117	305	94	77	448	94	71	333	110	96	284	100	82	356
Standard Error		0.78			0.9			1.53			0.64			0.58		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN																	
		Kerala						Kerala (2)			Puducherry			Telangana					
		Monocompu			Pattambi			Mean			Karaikal			Kunaram			Kampasagar		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3508	Gontra Bidhan 3 (NC)	62	114	185	94	87	508	78	101	346	93	94	335	84	111	297	93	104	255
3511	31635	64	115	218	97	92	464	80	103	341	93	95	343	87	111	299	102	106	311
3512	32436	64	111	205	96	103	521	80	107	363	97	111	361	88	128	286	103	112	278
3513	32440	63	116	244	95	92	495	79	104	370	92	106	334	95	110	301	97	103	378
3516	ZC	61	116	185	96	84	499	78	100	342	88	82	323	84	113	315	92	96	267
3519	32465	64	126	178	96	89	528	80	107	353	95	110	244	96	116	312	105	108	311
3521	32470	58	114	178	106	84	513	82	99	346	95	97	255	101	105	284	104	104	267
3522	33014 (H)	71	123	277	111	98	513	91	110	395	92	109	458	91	115	286	102	109	256
3523	33018 (H)	64	117	224	97	85	519	81	101	372	98	104	358	88	120	259	101	106	300
3524	33020 (H)	64	125	211	97	94	546	80	109	378	92	98	479	92	120	268	102	101	278
3526	33025 (H)	68	114	191	91	90	493	80	102	342	97	103	345	93	120	282	102	108	378
3527	33028 (H)	68	116	198	100	90	460	84	103	329	92	95	223	90	126	308	97	111	344
3528	US 312 (HC)	67	123	185	93	96	534	80	109	360	92	95	250	90	129	301	102	115	233
3530	33046 (H)	67	125	132	94	97	512	81	111	322	88	98	375	88	125	269	100	110	411
3531	33048 (H)	66	107	178	94	84	506	80	95	342	91	96	279	87	110	270	99	99	300
3532	LC	60	102	165	98	84	493	79	93	329	100	91	486	83	111	308	93	97	322
Experimental Mean		64	116	197	97	90	506	81	103	352	93	99	340	89	116	290	99	105	305
Standard Error		0.74			1.23			0.79			1.37			0.47			1.46		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (12)		
		Telangana						Telangana (4)			Tamil Nadu					
		Rajendranagar			Warangal			Mean			Coimbatore			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3508	Gontra Bidhan 3 (NC)	89	90	323	96	102	424	90	102	325	94	87	300	91	95	327
3511	31635	91	87	330	95	114	437	94	105	344	91	90	297	93	97	339
3512	32436	100	99	344	94	123	468	96	115	344	102	107	315	94	106	347
3513	32440	94	96	361	101	111	462	97	105	376	98	93	300	93	97	352
3516	ZC	90	94	337	91	111	479	89	104	350	92	96	287	88	95	333
3519	32465	95	98	355	104	127	484	100	112	366	101	96	302	94	103	337
3521	32470	100	86	356	106	110	486	103	101	348	104	90	253	99	94	333
3522	33014 (H)	94	98	327	95	118	468	96	110	334	102	107	293	98	105	356
3523	33018 (H)	92	98	399	96	109	472	94	108	358	101	108	240	95	102	345
3524	33020 (H)	93	101	339	96	125	475	96	112	340	101	109	262	95	105	353
3526	33025 (H)	96	101	437	100	125	474	98	113	393	101	113	280	95	106	358
3527	33028 (H)	92	99	380	97	123	477	94	115	377	99	106	285	92	104	347
3528	US 312 (HC)	93	97	408	96	123	460	95	116	351	97	108	323	92	106	336
3530	33046 (H)	93	100	301	95	119	471	94	113	363	97	111	313	93	101	345
3531	33048 (H)	92	89	364	96	114	465	94	103	350	95	109	292	90	94	342
3532	LC	90	93	384	105	102	505	93	101	380	91	112	320	93	96	359
Experimental Mean		93	95	359	97	116	469	95	108	356	97	102	291	93	100	344
Standard Error		0.68			0.93			0.5			0.75			0.32		

Table No. 3.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN		
		Tamil Nadu		
		@Aduthurai		
		DDF	PH	PAN
3508	Gontra Bidhan 3 (NC)	105	104	372
3511	31635	106	92	371
3512	32436	107	96	346
3513	32440	92	86	360
3516	ZC	90	88	313
3519	32465	91	97	370
3521	32470	92	93	360
3522	33014 (H)	95	102	375
3523	33018 (H)	91	105	364
3524	33020 (H)	86	103	327
3526	33025 (H)	92	103	357
3527	33028 (H)	92	87	367
3528	US 312 (HC)	90	94	333
3530	33046 (H)	94	94	252
3531	33048 (H)	95	91	282
3532	LC	91	102	330
Experimental Mean		94	96	342

Table No. 3.4: Grain quality characteristics of entries in AVT 2 & 1 – IME, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1359	3501	30692	81.2	72.3	70.2	5.73	2.09	2.74	MS	VOC	4.0	24.43	23
1360	3502	31448(H)	80.8	71.4	66.5	6.59	2.44	2.70	LB	OC	4.0	22.38	22
1361	3503	31452(H)	79.3	70.1	64.9	6.53	2.16	3.02	LS	VOC	4.0	27.01	22
1362	3504	31466(H)	79.9	69.9	56.8	6.80	2.49	2.73	LB	VOC	4.0	23.76	57
1363	3505	31589	80.5	72.8	71.9	5.12	2.25	2.27	SB	A	4.0	22.29	24
1364	3506	31603	81.0	73.3	69.7	6.54	2.5	2.61	LB	VOC	4.0	21.41	22
1365	3507	31608	78.2	69.7	68.1	5.65	2.24	2.52	MS	VOC	4.0	26.34	46
1366	3508	Gontra Bidhan -3 (NC)	78.8	69.3	55.7	5.16	2.29	2.25	SB	VOC	4.0	26.63	22
1367	3509		80.1	70.8	66.8	5.6	2.21	2.53	MS	OC	4.0	24.66	22
1368	3510	31456	-	-	-	-	-	-	-	-	-	-	-
1369	3511	31635	79.8	64.8	30.7	6.94	2.04	3.40	LS	VOC	4.0	27.95	72
1370	3512	32436	78.0	66.5	38.4	6.27	2.10	2.98	LB	VOC	4.0	27.74	62
1371	3513	32440	78.7	68.2	59.0	5.93	2.31	2.56	MS	VOC	4.0	28.54	63
1372	3514	32443	81.1	72.9	67.7	6.67	2.21	3.01	LS	VOC	4.0	27.80	100
1373	3515	32447	80.7	72.7	70.0	6.25	2.48	2.52	LB	OC	4.0	24.75	95
1374	3516	MTU-1010 (ZC)	79.1	65.8	56.6	6.04	1.97	3.06	LS	VOC	7.0	24.20	62
1375	3517		-	-	-	-	-	-	-	-	-	-	-
1376	3518	32460	81.3	72.3	67.0	6.64	2.32	2.86	LB	VOC	7.0	25.16	58
1377	3519	32465	79.2	70.8	53.7	5.57	2.11	2.63	MS	VOC	4.0	27.83	75
1378	3520	32467	79.2	70.8	67.1	6.33	2.33	2.71	LB	VOC	4.0	25.43	57
1379	3521	32470	78.1	67.7	40.6	5.01	2.07	2.42	SB	VOC	4.0	28.30	97
1380	3522	33014(H)	80.6	67.9	42.0	6.47	2.33	2.77	LB	VOC	5.0	22.88	73
1381	3523	33018(H)	79.7	63.4	19.4	6.29	2.45	2.56	LB	VOC	7.0	24.34	65
1382	3524	33020(H)	80.6	67.3	31.2	6.07	2.25	2.69	LB	VOC	7.0	26.34	64
1383	3525	33023(H)	79.1	70.9	64.3	6.33	2.52	2.51	LB	VOC	4.0	27.19	65
1384	3526	33025(H)	81.0	69.4	41.2	6.15	2.37	2.59	LB	VOC	4.0	28.24	52
1385	3527	33028(H)	81.4	69.7	39.9	6.46	2.39	2.70	LB	VOC	7.0	25.57	51
1386	3528	US-312 (HC)	79.5	68.8	56.7	5.48	2.05	2.67	MS	VOC	4.0	23.43	45
1387	3529		77.8	70.0	66.4	7.50	2.01	3.73	LS	VOC	4.0	20.88	75
1388	3530	33046(H)	79.6	61.2	24.7	6.52	2.12	3.07	LS	VOC	4.0	22.64	58
1389	3531	33048(H)	80.3	67.2	31.2	6.13	2.41	2.54	LB	VOC	4.0	28.51	57
1390	3532	LC	78.9	64.8	30.7	6.03	1.98	3.04	LS	VOC	3.0	26.78	73
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL - IRRIGATED MID EARLY (IVT- IME)**Locations: 49****Test Entries: 61**

Checks: Gontra Bidhan-3 (National); PR 113-(Northern), Lalat (Eastern and North Eastern), Karjat 7 (Western), MTU 1010 (Central and Southern)-Zonal and Local Check

Table: 4

Initial Variety Trial –Irrigated Mid Early (IVT- IME) was constituted with 61 test entries and 3 checks viz., Gontra Bidhan-3 (National check); Zonal checks -PR 113 (Northern), Lalat (Eastern and North Eastern), MTU1010 (Central & Southern), Karjat 7 (Western) and a Local check. The trial was sent to 49 locations and data was received from all the centres except Chiplima, Gerua, Bilaspur and Kathalgere. Data from three centres was excluded from analysis viz., Chata and Kanpur due to low experimental mean and Lembucherra due to insignificant F value. The range of various parameters across the zones is presented in the following table.

Parameters of the entries across the zone in IVT – IME, Kharif 2025

Zones	II	III	IV	V	VI	VII
Zonal mean (kg/ha)	2715 (IET 33479)- 7101(1) * (IET 33461)	4085 (IET 33479)- 6421 (1) * (IET 33445)	2852 (IET 33479)- 8446 (IET 33487)	3352 (IET 33484)- 5614 (1) (IET 33476)	2920 (IET 33479)- 6047 (1) * (IET 33490)	4265 (IET 33474)- 5909 (IET 33457)
Exp Mean (kg/ha)	4550 (LDN)- 5845 (PNT)	4095 (SBR)- 6543 (VRN)	5601 (TTB)	3762 (REW)- 5727 (ABP)	4346 (NVS)- 5205 (NWG)	4117 (KRK)- 6420 (WGL)
CV%	6.52 (LDN)- 10.55 (PNT)	5.69 (CTK)- 12.82 (MSD)	5.94 (TTB)	7.27 (JBP)- 15.58 (JDP)	8.56 (VDG)- 14.71 (NWG)	7.65 (MND)- 17.3 (PTB)
DFF	88 (IET 33479)- 120 (IET 33496)	87 (IET 33479)- 109 (IET 33484)	98 (IET 33443)- 126 (IET 33458)	90 (IET 33479)- 117 (IET 33496)	84 (IET 33468 & 33479)- 110 (33484)	86 (IET 33447)- 101 (IET 33484)
PH (cm)	92 (IET 33466)- 127 (IET 33442)	95 (IET 33473)- 119 (IET 33442)	96 (IET 33466)- 138 (IET 33442)	75 (IET 33492)- 112 (IET 33479)	96 (IET 33470 & 33478)- 133 (IET 33479)	86 (IET 33472, 33473 & 33478)- 128 (IET 33485)
Pan/m ²	226 (IET 33441)- 314 (IET 33492)	255 (IET 33442)- 337 (IET 33480)	221 (IET 33479)- 378 (LC)	188 (IET 33465)- 276 (IET 33445)	213 (IET 33449 & 33489)- 288 (IET 33492)	302 (IET 33448)- 386 (IET 33457)
DNI (@)	CHT-Exp. mean: 3090; KNP Exp. mean: 3263	-	LMB F value is not significant	-	-	-
Locations considered	4	11	1	6	6	13

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On zonal basis, a total of 17 entries (IETs 33440, 33442, 33445, 33453, 33454, 33457, 33460, 33461, 33467, 33468, 33472, 33476, 33478, 33487, 33489, 33490 and 33496) recorded significant yield advantage over the BC. However, considering the appropriate window of 91-100 days for DFF, 12 entries (**IETs 33440, 33445, 33453, 33457, 33460, 33461, 33468, 33472, 33476, 33478, 33490 and 33496**) falling in this range are only considered for promotion.

**Performance of the entries with the required significant yield superiority over checks in
IVT - IME during kharif 2025**

S. No	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Remarks
		II	III	IV	V	VI	VII	
1	33440 [CRU-BCKV-22-35 (14-N22/35-111-8-3-5)] Gobindabhog / Satabdi	6078 (2)* DFF: 92	-	-	-	-	-	Promoted-II
2	33442 (TRC 2025-4) Tripura Jala / Tripura Sarat	-	-	8390 (2)* DFF: 110	-	-	-	Dropped
3	33445 (NVS-3626) GR 7 / NVSR 2094	-	6421 (1)* DFF: 101	-	-	-	-	Promoted-III
4	33453 (NWGR-19203) Jaya/IIRON-M-1-204	-	5785 (9)* DFF: 97	7367 (6)* DFF: 114	-	-	-	Promoted-III
5	33454 (NWGR-21116) GR 7 / Phankali-203	-	-	6950 (10)* DFF: 106	-	-	-	Dropped
6	33457 (NLR 3985) BPT 5204 / IR 36) // BPT 5204	-	-	7217 (7)* DFF: 116	-	-	5909 (1)* DFF: 96	Promoted-VII
7	33460 (ORR 1823-4) OR 2763-7-9-3 / Sahabhangi Dhan	-	5849 (8)* DFF: 98	7603 (4)* DFF: 112	-	-	-	Promoted-III
8	33461 [NP 7125 (PVT)] MTU 1010 / GB3	7101 (1)* DFF: 100	6207 (2)* DFF: 95	7639 (3)* DFF: 114	-	-	-	Promoted-II, III
9	33467 (CB 22522) CB 12588 / RP 2068-18-3-5	-	-	7172 (8)* DFF: 124	-	-	-	Dropped
10	33468 (KJT RHR-2309) Kajrat 7 / NPR 2	6070 (3)* DFF: 93	5850 (7)* DFF: 89	-	-	-	-	Promoted-II, III
11	33472 (PAU 9553-	-	5972 (4)	-	-	-	-	Promoted-

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S. No	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Remarks
		II	III	IV	V	VI	VII	
	51-2-1) PR 126 / PR 113 // PR 126		* DFF: 96					III
12	33476 (KNM 13571) MTU 1156 / WGL 1097 // Binasail	-	5928 (6) * DFF: 95	7116 (9) * DFF: 108	-	-	5834 (2) * DFF: 96	Promoted-III and VII
13	33478 (UPR 4596-6-1-1-1) Pant Dhan 12 / UPR 3765-4-1-1	6040 (4)* DFF: 92	-	-	-	-	-	Promoted-II
14	33487 (CR 4379-4-1-1-1) CR Dhan 307 / MTU 1010	-	-	8446 (1) * DFF: 120	-	-	-	Dropped
15	33489 (CR 4121-1-7-1) CR 3856-44-22-2-1-11 *3 / Swarna Sub-1// IRBB 60	-	-	6828 * DFF: 115	-	-	-	Dropped
16	33490 (CR 4428-1-1-2-1-1-1) CR 3562-2-1-2-1-1-1 / CR 3561-7-1-3-1-2-1	-	5981 (3) * DFF: 100	-	-	6047 (1) * DFF: 104	-	Promoted-III
17	33496 (RP 6740 MSM-70) TI-140 / BPT-5204	-	5961 (5) * DFF: 104	7408 (5) * DFF: 122	-	-	-	Promoted-III
	NC	5545	5403	4515	4745	5269	5139	
	ZC	5214	5019	5343	5438	3735	5419	
	LC	5409	5130	6156	4641	4688	5302	
	CD	494	303	666	439	462	337	
	BC+CD	6039	5706	6822	5877	5731	5756	

Entries promoted from IVT (IME) to AVT 1 - IME: 12

Zone II : IETs 33440, 33461, 33468 and 33478 (4)

Zone III : IETs 33445, 33453, 33460, 33461, 33468, 33472, 33476, 33490 and 33496 (9)

Zone IV : None

Zone V : None

Zone VI : None

Zone VII : IETs 33457 and 33476

Table No. 4.1: Composition of entries in Initial Variety Trial – Irrigated Mid Early (IVT – IME), Kharif 2025

Entry No.	IET No	Designation	Cross Combination	Grain type
3601	33440	CRU-BCKV-22-35(14-N22/35-111-8-3-5)	N22/L35 (ARIL Line developed from Gobindabhogxsatabdi	MB
3602	33441	VDN-2103	VDNG-102xphule samruddhi	LB
3603	33442	TRC 2025-4	Tripura Jala/Tripura Sarat	MB
3604	33443	NVSR-1449	IET-25455XIET-25457	LB
3605	33444	NVSR-1305	IET-23998XIET-24001	LB
3606	33445	NVSR-3626	GR 7XNVSR 2094	LB
3607	33446	DBR0053 (PVT)	IR 64 x DBR 0025	LS
3608	33447	IR 19A8609	IR 15A2401/IR 13N157	MB
3609	33448	IR23IN4382	Sarjoo 52*/IR18L1157	MB
3610	33449	IR24IN1151(BRR0307)	DRR Dhan 44*3/ADT 12::IRGC 6254-1	LB
3611	33450	IR24IN1034 (HURS 25-4)	DRR DhAN 44*4/NX 3533::IRGC 63796-1	LS
3612	33451	IR24IN1033 (IGKVIRR25-3)		LS
3613	33452	IR24IN1089 (NDR 2025-05)	DRR Dhan 44*4/BR 5230-46-4::IRGC 117318-1	LS
3614	33453	NWGR-19203	JayaxIIRON-M-1-204/2-3-1-1-1-2-7	MS
3615	33454	NWGR-21116	GR 7 X P-203/4-1-4-1-2-2	MS
3616	33455	BKR 625-IR 19A8930	IRRI 154/IR 13N134	LS
3617	33456	RDR-6112	JGL 1798/NLR 3275	MS
3618	33457	NLR 3985	(BPT 5204 X IR 36) X BPT 5204	MS
3619	Gontra Bidhan-3 (National Check)			MS
3620	33458	TM 20125	ADT 37 / FL 478	MS
3621	33459	UPR 4747-10-1-1-1	Pant Dhan 11/PR 113	LS
3622	33460	ORR 1823-4	(OR 2763-7-9-3XSahabhangi Dhan)	LS
3623	33461	NP 7125 (PVT)	MTU 1010 X GB 3	LB
3624	33462	NP 176 (PVT)	NP 504 X NP 10026	LB
3625	33463	NDR-2025-08-CP-05	HUR 105/Basmati Pusa 1509	LB
3626	33464	R 2555-C16-5-551-1	Rajeswari x Basmati 386	MB
3627	33465	R 2405-173-1-96-1	MTU 1010 X Mahamaya	LB
3628	33466	MTU 1452 (MTU 2944-83-1-1-1)	(RNR 15048/MTU 1210)/BPT 2615	MS SG
3629	33467	CB 22522	CB 12588/RP 206818-8-5	MB
3630	33468	KJT RHR-2309	Karjat 7/NPR 2	LS
3631	33469	CRR 859-IR19A7817	IR 105469:72-18-2/IRRI 154	LS
3632	33470	CSAR IR13C161	IRRI 146 x IR 2006-P12-12-2-2	LS
3633	33471	IR19A8293	IR12N231/IR11N202	LS
3634	33472	PAU 9553-51-2-1	PR 126/PR 113//PR 126	LS
3635	33473	PAU 8460-34-1-2	PR 126/PR 121	LS
3636	33474	AD 21198	Turantdhan / IET 22075-12-3-3-1	MS
3637	33475	JGL 47849	JGL 11118 X IR 14K 642	LS
3638	33476	KNM 13571	MTU 1156 X WGL 1097//MUT NS1	LS

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3639	33477	BNKR 144-2-1-1	Dhiren/Narkel /JHOPA	MS
3640	33478	UPR4596-6-1-1-1	Pant Dhan 12/UPR3765-4-1-1	LS
3641	33479	KMP-261	(KMP-175 X DHMAS-70Q-164-1b)-6	MS
3642	PR 113-Northern, Lalat-Eastern and North Eastern, MTU 1010-Central and Southern, Karjat 7-Western (ZC)			
3643	33480	Pusa 2164-12-24	PKF6-11-4/PKF6-65	MS
3644	33481	Pusa 2164-13-24	PKF6-11-5/PKF6-78	MS
3645	33482	WGL-2043	MTU 1010/WGL 1196//KPS 3018/CB 13532	MS
3646	33483	WGL-2019	NLR 34449/WGL 1191	MS
3647	33484	OR 2487-13	OR 2076-2/Ashoka 228	MS
3648	33485	CR6542-15	bhalum-2 X N22	MB
3649	33486	ORJ -1369	Manaswini/Lalat	MB
3650	33487	CR 4379-4-1-1-1	CR Dhan 307/ MTU 1010	SB
3651	33488	CR 4388-RGA-7-5	CR Dhan 202 x ARIZE8433DT	MS
3652	33489	CR 4121-1-7-1	CR 3856-44-22-2-1-11*3/SWARNA SUB-1//IRBB 60	LB
3653	33490	CR 4428 -1-1-2-1-1-1	CR3562-2-1-2-1-1-1/CR3561-7-1-3-1-2-1	SB
3654	33491	CR 6538 -6-1-1-2-1	CR3516-11-2-2-1-1-1/CR 3516-25-1-1-1-1	MS
3655	33492	RNR 44060	JGL 30090 X IRBPH (K-17)-146	LS
3656	33493	RNR 56630	DRR Dhan 44*3/CN 44-40-7::IRGC	LS
3657	33494	HKR 19-41	HKR 96-54 x PR 114	LS
3658	33495	RP 6744-JBB-FBL-19408-1-1	Krishna Hamsa/IRBB60//Krishna Hamsa/Tetet///Krishna Hamsa/IR 96321-1447-561 B-1//Krishna Hamsa/IR 81896-96-B-B-195 ///Krishna Hamsa/IR 74371-46-1-1-13// Krishna Hamsa/DSB 2	LS
3659	33496	RP 6740 MSM-70	T1-140 X BPT-5204	MB
3660	33497	RP 6862-IR20LT2007	OM4218/IR 127152-2-10	LB
3661	33498	IR24IN1093	DRR Dhan 44*3/BR 5230-46-4::IRGC 117318-1	LS
3662	33499	RP6458-DB-C1-151	Swarna//166s-swarna/0.nivara	LS
3663	33500	RPBio 4918-db-NPK46	SWARNA/0.nivara IRGC 81832	LS
3664	Local Check			

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Table No. 4.2: Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN								ZONE II - NORTHERN (4)		ZONE III - EASTERN	
		Haryana		Punjab		Uttarakhand		Uttar Pradesh		Mean		Bihar	
		Kaul		Ludhiana		Pantnagar		Nagina				Sabour	
3601	33440	7300	1*	4590		7575	3	4847		6078	2*	3995	
3602	33441	5300		4229		6025		4648		5050		4394	
3603	33442	4450		5215		7062	8	4834		5390		4125	
3604	33443	5050		4896		6062		4302		5078		3947	
3605	33444	5200		3368		6575		5359		5126		3226	
3606	33445	5850	9	6056	2	5575		4448		5482		5928	1*
3607	33446	5350		4125		5700		5140		5079		4125	
3608	33447	4050		4924		4856		5419		4812		3510	
3609	33448	5000		5736	7	6800	10	5938	5	5868	5	2803	
3610	33449	5950	7	4021		5906		5632		5377		3856	
3611	33450	5450	10	4896		6038		5831	6	5554		5226	*
3612	33451	5100		4840		5625		5818	7	5346		3149	
3613	33452	5300				6501		5406		5736	8	4048	
3614	33453	4800		4576		5938		4136		4862		4399	
3615	33454	4100		4646		5038		4495		4570		3447	
3616	33455	6100	5	4799		6106		6310	1	5829	6	3837	
3617	33456	5200		3972		5812		3930		4729		4255	
3618	33457	4850		5444	10	6344		6303	2	5735	9	4567	*
3619	Gontra Bidhan-3 (NC)	5350		3875		7462	4	5492		5545		3534	
3620	33458	3250				5519		3298		4022		5500	8*
3621	33459	3150		4465		5994		4222		4458		3750	
3622	33460	5100		3438		5731		4009		4570		5490	9*
3623	33461	6900	2	7875	1*	7938	2	5691		7101	1*	5519	7*
3624	33462	5450		5424		7231	6	4814		5730	10	3447	
3625	33463	3000		2889		4306		3730		3481		3303	
3626	33464	5050		4542		6325		3551		4867		3442	
3627	33465	4550		4333		6431		5346		5165		2793	
3628	33466	3050		4153		4938		3850		3998		4947	*
3629	33467	4250		5368		6606		5705	9	5482		5716	4*
3630	33468	6250	4	5042		8469	1	4521		6070	3*	4250	
3631	33469	4450		4569		5044		4255		4580		3846	
3632	33470	6000	6	3333		4300		5120		4688		2644	
3633	33471	5900	8	3160		4988		5791	8	4960		2452	
3634	33472	5350		5708	8	6688		3404		5288		4942	*
3635	33473	3200		6007	3	7362	5	4501		5268		3933	
3636	33474	4100		5514	9	6519		4335		5117		3885	
3637	33475	4350		5181		5988		4654		5043		4553	
3638	33476	5150		5743	6	6944	9	5140		5744	7	4341	
3639	33477	3250		4306		5062		5492		4528		3255	
3640	33478	5000		5924	5	7231	6	6004	4	6040	4*	3543	
3641	33479	3200		1160		2006		4495		2715		1683	
3642	ZC	4800		5972	4	5969		4116		5214		3938	
3643	33480	4200		4243		6106		4508		4764		4611	*
3644	33481	3150		3903		5800		5585		4609		3923	
3645	33482	4400		4653		6019		5519		5148		4096	
3646	33483	5050		4528		5956		5532		5266		3524	
3647	33484	3150				3468		4628		3748		4562	*
3648	33485	4250		3062		5097		3005		3854		4428	
3649	33486	4450		4493		5601		5698	10	5061		5702	5*
3650	33487	3950		4938		5088		3045		4255		5793	3*
3651	33488	3350		4861		5788		5445		4861		3188	
3652	33489	3200		4264		4512		5578		4389		5490	9*
3653	33490	2950				6369		3045		4122		5567	6*
3654	33491	3150		4403		3019		3225		3449		4433	
3655	33492					5206				5206		3822	
3656	33493	5150		4118		6562		6230	3	5515		3442	
3657	33494	3250		3931		5894		4481		4389		4606	*
3658	33495	4050		4736		5688		4089		4641		4192	
3659	33496	3000						3092		3046		5923	2*
3660	33497	5200		2715		5125		5339		4595		2904	
3661	33498	5100		4507		6419		5519		5386		4269	
3662	33499	3050		3201		6106		4122		4120		2784	
3663	33500	5200		3625		4481		5652		4739		3356	
3664	LC	6300	3	5431		5356		4548		5409		3923	
Experimental Mean		4604		4550		5845		4797		4937		4095	
CD(0.05)		727		594		1232		941		494		617	
CV(%)		7.9		6.52		10.55		9.82		5		7.54	
F val		17.46**		25.08**		6.41**		7.29**		19.23**		18.09**	
DOS		12-06-2025		06-06-2025		12-06-2025		23-06-2025				20-06-2025	
DOP		18-07-2025		07-07-2025		08-07-2025		18-07-2025				09-07-2025	
Local Check Name		HKR 47		PR130		Pant Dhan 12		PR 113				Sabour Harshit Dhan	

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar		Bihar (2)		Jharkhand		Odisha		Odisha (2)			
		Bikramganj (Dhangain)	Mean	Mean	Mean	Ranchi	NRRI	Jeypore	Mean	Mean	Mean	Mean	Mean
3601	33440	6337	10	5166		5120		6495	7	5655		6075	6
3602	33441	4821		4607		4220		5760		6954	1	6357	4
3603	33442	5949		5037		4560		5655		4673		5164	
3604	33443	5544		4746		4725		4560		5484		5022	
3605	33444	5718		4472		5855	3	4750		5083		4917	
3606	33445	6678	9	6303	3	4895		7740	2*	4810		6275	5
3607	33446	4086		4105		4110		4915		6391	3	5653	
3608	33447	6238		4874		4110		4945		5819	8	5382	
3609	33448	5405		4104		3770		5145		6615	2	5880	9
3610	33449	4462		4159		4110		6370	8	4780		5575	
3611	33450	5527		5376		3485		4605		4631		4618	
3612	33451	5573		4361		3935		5950		5643		5796	
3613	33452	5116		4582		3660		6065		5115		5590	
3614	33453	6291		5345		4275		5615		5909	6	5762	
3615	33454	5116		4281		4555		6135	10	4762		5448	
3616	33455	4971		4404		3995		5985		5048		5516	
3617	33456	8351	1	6303	4	3375		5570		5518		5544	
3618	33457	5625		5096		4895		5290		5788	9	5539	
3619	Gontra Bidhan-3 (NC)	6296		4915		5795	4	4190		5331		4761	
3620	33458	6852	7	6176	5	4835		5585		5165		5375	
3621	33459	4560		4155		4390		6590	6*	6155	4	6372	2
3622	33460	6198		5844	6	4050		5775		5690	10	5733	
3623	33461	7413	4	6466	2*	4670		6940	4*	5109		6025	7
3624	33462	6742	8	5094		4615		6030		5048		5539	
3625	33463	3924		3613		4330		4165		4266		4215	
3626	33464	7350	5	5396		4780		5265		4637		4951	
3627	33465	6001		4397		4950		4160		4542		4351	
3628	33466	4647		4797		4445		5125		4585		4855	
3629	33467	5648		5682	9	5430	8	5175		5506		5340	
3630	33468	6024		5137		4755		4850		5665		5257	
3631	33469	5336		4591		4925		5530		4526		5028	
3632	33470	4757		3701		3490		4960		4577		4769	
3633	33471	4612		3532		3940		4565		4548		4556	
3634	33472	5932		5437		6045	2	6270	9	5357		5814	10
3635	33473	6152		5042		5090		6100		4782		5441	
3636	33474	5017		4451		4165				4712		4712	
3637	33475	5434		4993		5510	7	5915		4637		5276	
3638	33476	7159	6	5750	8	4615		7045	3*	5685		6365	3
3639	33477	4479		3867		4530		4570		4966		4768	
3640	33478	6036		4790		3435		4735		5127		4931	
3641	33479	3796		2740		3600		5330		4528		4929	
3642	ZC	4705		4321		5120		4245		6016	5	5130	
3643	33480	5683		5147		4110		5240		4829		5035	
3644	33481	5324		4624		5345	10	5445		5264		5354	
3645	33482	4861		4479		5405	9	5700		4446		5073	
3646	33483	4913		4219		4445		6600	5*	4220		5410	
3647	33484	4757		4660		4445		5835		4629		5232	
3648	33485	5093		4760		4835		4670		4710		4690	
3649	33486	5556		5629		4645		5265		5653		5459	
3650	33487	5017		5405		4725		4415		4829		4622	
3651	33488	3796		3492		4670		5340		4685		5012	
3652	33489	5862		5676	10	4615		5310		5528		5419	
3653	33490	5775		5671		6130	1	5435		5540		5487	
3654	33491	4722		4577		5795	4	5510		5367		5439	
3655	33492			3822		5205				4673		4673	
3656	33493	5347		4395		4110		5875		4671		5273	
3657	33494	5515		5060		4275		5065		4538		4801	
3658	33495	5515		4854		4220		5655		5397		5526	
3659	33496	7471	3	6697	1*	5680	6	8610	1*	5317		6964	1*
3660	33497	4850		3877		3265		5740		4732		5236	
3661	33498	5752		5011		4275		5310		5099		5205	
3662	33499	3698		3241		4335		4465		4456		4461	
3663	33500	5150		4253		5065		4965		5058		5011	
3664	LC	7662	2	5793	7	5230		5925		5875	7	5900	8
Experimental Mean		5543		4805		4594		5501		5146		5311	
CD(0.05)		881		540		802		626		1088		630	
CV(%)		7.95		5.63		8.74		5.69		10.58		5.94	
F val		9.9**		17.71**		5.63**		14.56**		2.32**		5.84**	
DOS		02-07-2025				28-06-2025		26-06-2025		04-07-2025			
DOP		29-07-2025				19-07-2025		05-08-2025		25-07-2025			
Local Check Name		Sabour Vijay				BVD 203		CR Dhan 805		Kalinga Dhan 1205			

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Uttar Pradesh				Uttar Pradesh (2)		West Bengal					
		Masodha		Varanasi		Mean		Malda		Bankura		chinsurah	
3601	33440	6057	5	3166		4612		6305		5950		5735	
3602	33441	6137	3	7500		6818	3	6810		6050		5016	
3603	33442	4275		7876		6076		5540		6375		6258	9
3604	33443	5206		6708		5957		5910		6383		4423	
3605	33444	4056		6766		5411		6630		5458		4684	
3606	33445	4801		8822	2*	6811	5	7840	1*	6058		6476	6*
3607	33446	6117	4	6631		6374		6845		5967		5005	
3608	33447	5472		6081		5777		6250		6083		4521	
3609	33448	5273		5589		5431		4480		5825		6536	5*
3610	33449	5778		5907		5843		5330		6533		5033	
3611	33450	5266		5627		5447		5300		5808		4608	
3612	33451	4348		5589		4969		3775		5950		5087	
3613	33452	4900		6313		5607		6245		6792	10	6601	2*
3614	33453	4761		8514	3*	6637	8	7460	2	6900	6	5708	
3615	33454	5193		6815		6004		5365		5842		4461	
3616	33455	4229		7153		5691		5575		6233		5240	
3617	33456	5319		6921		6120		6440		5783		4695	
3618	33457	5047		7124		6085		4090		5992		5261	
3619	Gontra Bidhan-3 (NC)	5465		7181		6323		6555		6100		5278	
3620	33458	4854		3996		4425		4810		6892	8	5724	
3621	33459	5984	8	5608		5796		5900		7275	2	5452	
3622	33460	6017	6	6921		6469		7245	4	6650		5670	
3623	33461	5864		9208	1*	7536	1*	5155		6650		5654	
3624	33462	5293		7983	9	6638	7	7265	3	6333		4924	
3625	33463	4122		5685		4904		3600		5383		4259	
3626	33464	4116		7302		5709		4595		5892		4646	
3627	33465	5253		6612		5932		5845		5867		4679	
3628	33466	5658		6264		5961		6970	9	6633		6541	4*
3629	33467	4561		7963	10	6262		4395		6483		5768	10
3630	33468	4993		8089	7	6541	9	6375		6300		6476	6*
3631	33469	3890		5637		4763		5115		6500		4276	
3632	33470	4734		5801		5268		5500		5808		4439	
3633	33471	4920		5019		4970		4370		5900		4428	
3634	33472	4953		8089	7	6521		6780		5933		5251	
3635	33473	5931	9	6882		6407		6455		6175		5261	
3636	33474	5399		6477		5938		6365		6675		5087	
3637	33475	5519		6506		6012		3965		7033	3	5512	
3638	33476	5293		8195	5*	6744	6	7020	8	7025	4	4379	
3639	33477	5286		6255		5770		6070		6683		4123	
3640	33478	5505		5820		5663		6070		5500		6552	3*
3641	33479	4953		4701		4827		2885		6167		4352	
3642	ZC	4335		6100		5218		6345		6625		4036	
3643	33480	4402		6853		5627		5995		7775	1*	4145	
3644	33481	4302		8214	4*	6258		6545		6725		4553	
3645	33482	4721		6014		5367		5815		5900		5136	
3646	33483	5818		6622		6220		6510		6083		4548	
3647	33484	3331		4180		3755		4470		6292		6928	1*
3648	33485	4062		7008		5535		4290		6558		5572	
3649	33486	4953		4527		4740		5930		6000		4641	
3650	33487	5053		6100		5577		7175	6	6292		5131	
3651	33488	5352		5328		5340		6025		5508		4466	
3652	33489	5918	10	6062		5990		6935	10	4992		4641	
3653	33490	5997	7	8127	6	7062	2	7150	7	5950		5724	
3654	33491	4182		5714		4948		6840		6808	9	6400	8
3655	33492	6157	2	7471		6814	4	4360		7000	5	5583	
3656	33493	5492		7587		6539	10	5825		6900	6	4156	
3657	33494	5013		5183		5098		7195	5	6208		4303	
3658	33495	4860		6622		5741		5815		5942		5605	
3659	33496	6303	1	6737		6520		4460		5108		5703	
3660	33497	4428		6998		5713		6465		6333		5120	
3661	33498	4275		7703		5989		6240		5550		5354	
3662	33499	4262		4633		4448		5910		6142		5011	
3663	33500	4654		7172		5913		5725		6092		4695	
3664	LC	5060		6515		5788		2512		5892		4581	
Experimental Mean		5058		6543		5801		5782		6227		5158	
CD(0.05)		1296		983		862		928		825		1146	
CV(%)		12.82		7.52		7.44		8.03		6.63		11.12	
F val		2.16**		11.96**		5.49**		12.25**		3.15**		3.34**	
DOS		29-06-2025		25-06-2025				25-06-2025		25-06-2025		19-06-2025	
DOP		05-08-2025		23-07-2025				23-07-2025		08-08-2025		23-07-2025	
Local Check Name		IR 64-Sub 1		HUR-4-3				Rajdeep		Puapa		Shatabdi	

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (11)		ZONE IV - NORTH EASTERN			ZONE V - CENTRAL		
		West Bengal		West Bengal (4)		Mean		Assam			Chhattisgarh		
		Hatwara		Mean		Mean		Titabar			Ambikhapur		Jagadalpur
3601	33440	5382	7*	5843	10	5472		4685			5255		3244
3602	33441	4548	*	5606		5656	10	4089			6307		5888
3603	33442	4673	*	5712		5451		8390	2*		5688		4181
3604	33443	5012	10*	5432		5264		5338			6302		4588
3605	33444	5023	8*	5449		5205		4958			7391	3*	5025
3606	33445	6580	2*	6739	1*	6421	1*	6726			6302		4725
3607	33446	3574		5348		5251		4507			6042		4231
3608	33447	4758	*	5403		5253		6446			5792		4031
3609	33448	4555	*	5349		5090		4803			6521	8	5362
3610	33449	4532	*	5357		5154		6605			5208		3881
3611	33450	4290		5002		4943		4864			5578		3181
3612	33451	6822	1*	5409		5075		4515			5661		3509
3613	33452	4092		5932	8*	5359		6187			5490		3250
3614	33453	3804		5968	7*	5785	9*	7367	6*		5484		4578
3615	33454	4547	*	5054		5112		6950	10*		5609		3338
3616	33455	4599	*	5412		5169		6710			6844	5	5478
3617	33456	4018		5234		5477		5659			5266		3128
3618	33457	4462	*	4951		5286		7217	7*		5484		4581
3619	Gontra Bidhan-3 (NC)	3712		5411		5403		4515			4844		3581
3620	33458	3931		5339		5286		6755			5167		5891
3621	33459	4128		5689		5436		4889			5057		4941
3622	33460	4637	*	6050	4*	5849	8*	7603	4*		6406		5531
3623	33461	6092	5*	5888	9*	6207	2*	7639	3*		4500		3856
3624	33462	3807		5582		5590		5810			4906		3975
3625	33463	3704		4237		4249		4106			4542		4388
3626	33464	4694	*	4957		5156		5590			7708	1*	4838
3627	33465	4925	*	5329		5057		3915			7552	2*	5134
3628	33466	4398		6136	3*	5474		6004			5859		3675
3629	33467	5018	9*	5416		5606		7172	8*		5990		5428
3630	33468	6578	3*	6432	2*	5850	7*	5623			6406		3844
3631	33469	3760		4913		4849		5777			5870		3866
3632	33470	3920		4917		4603		4670			4375		3709
3633	33471	3150		4462		4355		3988			5849		4697
3634	33472	6144	4*	6027	6*	5972	4*	4012			6776	6	5631
3635	33473	4461	*	5588		5566		5408			5552		5491
3636	33474	4517	*	5661		5230		6256			5885		5388
3637	33475	4548	*	5264		5376		3826			5271		5106
3638	33476	4451		5719		5928	6*	7116	9*		6510	10	4378
3639	33477	3968		5211		4926		5071			5365		4781
3640	33478	4827	*	5737		5196		4077			5500		5722
3641	33479	2946		4087		4085		2852			5781		3697
3642	ZC	3745		5188		5019		5343			6146		5359
3643	33480	3351		5316		5181		6130			4844		4853
3644	33481	4117		5485		5432		6130			5104		4562
3645	33482	4558	*	5352		5150		4601			5260		3188
3646	33483	5398	6*	5635		5335		4081			6547	7	5603
3647	33484	4308		5500		4885		5038			4786		4703
3648	33485	4558	*	5244		5071		5112			4490		5200
3649	33486	4574	*	5286		5222		5615			5688		5193
3650	33487	3253		5463		5253		8446	1*		4802		3588
3651	33488	4371		5093		4794		4345			5583		5506
3652	33489	4557	*	5281		5446		6828	*		6318		5322
3653	33490	4392		5804		5981	3*	5156			6516	9	3431
3654	33491	4116		6041	5*	5444		6536			6094		3138
3655	33492			5648		5534							5225
3656	33493	3546		5107		5177		5497			5365		3038
3657	33494	4288		5499		5108		5761			4896		5366
3658	33495	4456	*	5454		5298					5417		5138
3659	33496	4258		4882		5961	5*	7408	5*				5525
3660	33497	3269		5297		4919		5761			5906		4356
3661	33498	4938	*	5521		5342		6592			4948		3663
3662	33499	4538	*	5400		4567		4361			5641		4503
3663	33500	3168		4920		5009		3668			6938	4	4819
3664	LC	3250		4059		5130		6156			5891		3366
Experimental Mean		4422		5402		5280		5601			5727		4506
CD(0.05)		707		458		303		666			1211		1403
CV(%)		7.99		4.24		2.87		5.94			10.58		15.58
F val		10.59**		8.68**		15.82**		28.03**			3.02**		2.9**
DOS		08-07-2025						25-06-2025			02-07-2025		18-06-2025
DOP		06-08-2025						25-07-2025			28-07-2025		01-07-2025
Local Check Name								Numali			IGKV R 2		IGKVR 2

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL											
		Chhattisgarh		Chhattisgarh (3)		Maharashtra		Madhya Pradesh			Madhya Pradesh (2)		
		Raipur		Mean		Sakoli		Rewa		Jabalpur		Mean	
3601	33440	3274		3924		6800	2	2200		6848	2*	4524	
3602	33441	4494		5563	6	6400	8	2745		5519	7	4132	
3603	33442	5208	6	5026		4650		4995		5386		5190	7
3604	33443	3847		4912		5750		4795		4122		4459	
3605	33444	3705		5374		6300	9	2185		5452	9	3819	
3606	33445	5156	7	5394	10	6600	4	3185		3989		3587	
3607	33446	4263		4845		5800		4635		4388		4512	
3608	33447	3653		4492		6600	4	6085	4	2793		4439	
3609	33448	4211		5365		6750	3	2540		4189		3364	
3610	33449	3304		4131		5800		2090		4854		3472	
3611	33450	3854		4205		6900	1	2200		3989		3095	
3612	33451	3467		4213		6550	6	4000		2793		3396	
3613	33452	4390		4376		5200		3500		3191		3346	
3614	33453	4390		4817		3250		3585		5319		4452	
3615	33454	3467		4138		4000		3485		4189		3837	
3616	33455	4219		5514	7	6000	10	5785	5	4721		5253	6
3617	33456	4650		4348		5000		5385	10	4322		4854	
3618	33457	4196		4754		5050		2686		4455		3570	
3619	Gontra Bidhan-3 (NC)	4888	10	4438		5400		3840		5918	4	4879	
3620		33458	3668		4908		5050		1735		2726		2231
3621	33459	4546		4848		4350		4285		4654		4470	
3622	33460	4948	8	5628	5	5250		2135		4854		3494	
3623	33461	6049	1*	4802		5550		6135	3	6915	1*	6525	1*
3624	33462	4635		4506		5400		2440		5785	5	4112	
3625	33463	3646		4192		3700		3390		4056		3723	
3626	33464	5446	4	5997	2*	5450		2300		4987		3643	
3627	33465	5565	3	6084	1*	4250		1600		4322		2961	
3628	33466	4695		4743		4300		1285		4388		2837	
3629	33467	5573	2	5664	4	5650		5685	7	4920		5303	5
3630	33468	3862		4704		6500	7	5135		5519	7	5327	4
3631	33469	3676		4470		5100		3385		4588		3986	
3632	33470	3772		3952		3200		3390		2660		3025	
3633	33471	3705		4750		5200		2735		3524		3129	
3634	33472	4777		5728	3	3650		5735	6	4388		5062	8
3635	33473	4427		5157		3850		3935		4521		4228	
3636	33474	4390		5221		4400		3350		5452	9	4401	
3637	33475	4144		4840		3500		4535		4588		4561	
3638	33476	5260	5	5383		5600		6285	2	5652	6	5968	2
3639	33477	3199		4448		3600		3035		4189		3612	
3640	33478	4732		5318		4225		3685		3723		3704	
3641	33479	1972		3817		4650		3085		2992		3039	
3642	ZC	4241		5249		5950		6939	1	3989		5464	3
3643	33480	3445		4381		2700		4735		4388		4562	
3644	33481	4219		4628		3050		3585		5984	3	4785	
3645	33482	4196		4215		5350		4435		4920		4678	
3646	33483	3497		5216		5800		5135		4122		4629	
3647	33484	4397		4629		3600		365		2261		1313	
3648	33485	4182		4624		2650		4990		4189		4589	
3649	33486	3988		4956		3900		1900		4122		3011	
3650	33487	4948	8	4446		4050		3145		3856		3500	
3651	33488	3445		4845		3600		3370		3923		3647	
3652	33489	4695		5445	9	4150		3686		4388		4037	
3653	33490	4554		4833		3600		2635		3923		3279	
3654	33491	4382		4538		2950		1785		2992		2389	
3655	33492			5225						3790		3790	
3656	33493	3743		4048		4800		5385		3524		4454	
3657	33494	3683		4648		4400		5240		4588		4914	10
3658	33495	3557		4704		5050		4990		4388		4689	
3659	33496	4829		5177		5350				4255		4255	
3660	33497	4732		4998		4150		5400	9	3989		4695	
3661	33498	4397		4336		3250		4210		4189		4200	
3662	33499	3832		4659		5400		2439		4322		3381	
3663	33500	4606		5454	8	5450		5550	8	4388		4969	9
3664	LC	3958		4405		5700		4145		4787		4466	
Experimental Mean		4236		4823		4859		3762		4392		4081	
CD(0.05)		1134		679		1275		717		638		508	
CV(%)		13.39		7.05		13.12		9.53		7.27		6.23	
F val		3**		4.73**		6.35**		32.22**		16.92**		25.56**	
DOS		21-06-2025					21-06-2025		25-06-2025		14-06-2025		
DOP		18-07-2025					01-08-2025		25-07-2025		08-07-2025		
Local Check Name		Durgeshwari					PKV Ganesh		JR 206		JR 206		

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE V -		ZONE VI - WESTERN									
		CENTRAL (6)											
		Mean		Navasari		Nawagam		Vyra		Gujarat (3)		Maharashtra	
										Mean		Vadagaon	
3601	33440	4604				5540		4807		5174		6790	1*
3602	33441	5225	7	4773		5787		4758		5106		6413	2*
3603	33442	5018		4027		5842		4361		4743		3979	
3604	33443	4901		3345		5819		4313		4492		5237	
3605	33444	5010		5286	3	5680		4923		5296		5596	
3606	33445	4993		5688	1	7049	3	5805	5	6181	1	4850	
3607	33446	4893		4662		5970		5044		5225		5752	9
3608	33447	4826		4458		5133		3696		4429		3917	
3609	33448	4929		4615		4513		4908		4679		5070	
3610	33449	4189		2885		3596		3097		3192		5232	
3611	33450	4284		4240		4547		3071		3953		5328	
3612	33451	4330		3744		4082		3398		3741		5072	
3613	33452	4170		4231		5667		4455		4784		5314	
3614	33453	4434		4244		4802		5911	4	4985		5192	
3615	33454	4015		3606		5387		3681		4225		4206	
3616	33455	5508	3	5175	6	4934		3681		4597		4271	
3617	33456	4625		3660		6437	7	3757		4618		4559	
3618	33457	4409		4085		5948		5550	7	5195		5347	
3619	Gontra Bidhan-3 (NC)	4745		5251	4	6459	5	4734		5481	6	4399	
3620	33458	4039		4636		4784		4985		4802		5360	
3621	33459	4639		3611		5111		3360		4027		3950	
3622	33460	4854		4082		5913		4957		4984		4679	
3623	33461	5501	4	4598		7925	1	4538		5687	4	4976	
3624	33462	4524		4869		6741	4	4758		5456	7	4334	
3625	33463	3953		2527		4898		4169		3865		3245	
3626	33464	5122	10	3995		4806		3835		4212		4872	
3627	33465	4737		3977		4657		4637		4424		4353	
3628	33466	4034		4400		5154		5371	10	4975		3918	
3629	33467	5541	2	4505		5900		5483	9	5296	10	5456	
3630	33468	5211	8	5204	5	5737		4985		5308	9	4623	
3631	33469	4414		4406		5188		3719		4438		3950	
3632	33470	3518		3904		4913		3526		4114		3327	
3633	33471	4285		3619		5073		3488		4060		4366	
3634	33472	5160	9	4138		5495		6011	3*	5214		5072	
3635	33473	4629		3826		5042		4197		4355		3886	
3636	33474	4811				5991	10	4769		5380	8	3558	
3637	33475	4524		4449		6447	6	4031		4976		3566	
3638	33476	5614	1	5023	10	7839	2	4689		5850	2	4880	
3639	33477	4028		5135	7	4776		3888		4600		4302	
3640	33478	4598		4732		4664		4644		4680		4199	
3641	33479	3696		3182		1868		1744		2265		3950	
3642	ZC	5438	5	2850		4591		4148		3863		3109	
3643	33480	4161		4639		3141		4433		4071		4904	
3644	33481	4417		5353	2	2887		5530	8	4590		4257	
3645	33482	4558		4744		6002	9	4092		4946		4742	
3646	33483	5117		4621		5781		3496		4633		4239	
3647	33484	3352		3596		4401		4204		4067		5383	
3648	33485	4283		3654		4715		5040		4469		5154	
3649	33486	4132		4639		5769		2901		4436		6152	3*
3650	33487	4065		4103		5990		5021		5038		5008	
3651	33488	4238		4714		4931		4398		4681		6055	5
3652	33489	4760		4510		5439		5095		5015		5090	
3653	33490	4110		5122	8	5711		6071	2*	5635	5	5960	6
3654	33491	3557		4942		4788		5676	6	5135		5200	
3655	33492	4507				5715				5715	3		
3656	33493	4309		4505		3969		3898		4124		5033	
3657	33494	4695		4633		6058	8	4442		5044		5680	10
3658	33495	4757		4295		4647		4275		4406		5895	8
3659	33496	4990		5117	9	3957		6087	1*	5053		6083	4
3660	33497	4756		4510		2958		4590		4019		4744	
3661	33498	4110		4639		5471		3943		4684		4783	
3662	33499	4356		4178		3867		3528		3858		3748	
3663	33500	5292	6	4266		5600		4257		4708		5955	7
3664	LC	4641		4663		4632		4651		4648		5325	
Experimental Mean		4580		4346		5205		4437		4686		4823	
CD(0.05)		439		1097		1531		1194		835		825	
CV(%)		4.8		12.62		14.71		13.46		8.91		8.56	
F val		10.67**		2.78**		3.91**		4.06**		4.91**		7.73**	
DOS				18-06-2025		27-06-2025		17-06-2025				30-06-2025	
DOP				09-07-2025		04-08-2025		05-07-2025				02-08-2025	
Local Check Name				GNR-3		GNR 3		GNR 3					

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (6)		ZONE VII - SOUTHERN			
		Maharashtra			Maharashtra (3)			Mean		Andhra Pradesh		Karnataka	
		Radhanagari	Karjat		Mean					Maruteru		Mandya	
3601	33440	7362	6*	4025		6059	3*	5705	3	4122		6801	7
3602	33441	4270		5903	6	5528	9	5317		5894	10	4940	
3603	33442	4144		4881		4335		4539		5467		5513	
3604	33443	4981		2751		4323		4408		5346		5082	
3605	33444	6848	8*	4540		5661	7*	5479	8	6747	3	6741	9
3606	33445	4964		5494		5102		5641	4	6498	4	5670	
3607	33446	4677		5512		5314		5270		5354		6183	
3608	33447	3416		3548		3627		4028		3833		4516	
3609	33448	4108		3836		4338		4508		4879		6771	8
3610	33449	3533		3382		4049		3621		4887		5513	
3611	33450	3457		3103		3963		3958		4533		6562	10
3612	33451	2976		2836		3628		3685		4581		6057	
3613	33452	3183		2412		3636		4210		6272	7	5818	
3614	33453	5045		5743	9	5327		5156		6232	8	5975	
3615	33454	2524		3108		3279		3752		5620		4219	
3616	33455	3705		3450		3808		4203		5507		4970	
3617	33456	5211		2672		4147		4382		4911		4301	
3618	33457	6402	10	4508		5419		5307		5709		5692	
3619	Gontra Bidhan-3 (NC)	5351		5422		5057		5269		3913		6399	
3620	33458	6856	7*	5379		5865	5*	5333		5459		5923	
3621	33459	6323		3802		4692		4360		4163			
3622	33460	4277		4355		4437		4711		6433	6	6012	
3623	33461	5474		5458		5303		5495	6	5459		6399	
3624	33462	5650		4378		4788		5122		5314		6488	
3625	33463	3659		4812		3905		3885		3816		4293	
3626	33464	4708		2976		4185		4198		5040		6890	6
3627	33465	7945	2*	3986		5428		4926		3438		5833	
3628	33466	4914		5853	8	4895		4935		5395		4427	
3629	33467	5953		2530		4646		4971		5346		5632	
3630	33468	5100		5373		5032		5170		4960		5513	
3631	33469	4287		4399		4212		4325		5378		5141	
3632	33470	5780		3354		4154		4134		4895		4546	
3633	33471	4430		2989		3929		3994		3905		5231	
3634	33472	7912	3*	5667	10	6217	2*	5716	2	3969		5908	
3635	33473	5713		4650		4750		4552		4928		5119	
3636	33474	6532	9*	4369		4820		5044		5234		6354	
3637	33475	4171		3878		3872		4424		3599		4799	
3638	33476	4581		5926	5	5129		5490	7	5137		7068	3
3639	33477	8033	1*	4241		5525		5063		4911		4643	
3640	33478	3650		2917		3589		4134		6997	2	4658	
3641	33479	4160		2617		3576		2920		3140		7448	1
3642	ZC	4337		3372		3606		3735		7206	1	6124	
3643	33480	5864		6191	1	5653	8*	4862		3172		6243	
3644	33481	6301		6026	4	5528	10	5059		3398		6890	5
3645	33482	4178		2649		3856		4401		5443		5305	
3646	33483	3545		3223		3669		4151		4066		5818	
3647	33484	4987		5515		5295		4681		4452		5000	
3648	33485	4549		5594		5099		4784		5105		5796	
3649	33486	4612		5496		5420		4928		5910	9	6190	
3650	33487	5118		6184	2	5437		5237		5845		3281	
3651	33488	7497	5*	4416		5989	4*	5335	10	4074		5089	
3652	33489	4650		4215		4652		4833		5306		4955	
3653	33490	7562	4*	5859	7	6460	1*	6047	1*	5346		5677	
3654	33491	6351		4503		5351		5243		5169		4948	
3655	33492			5372		5372		5543	5				
3656	33493	2576		2981		3530		3827		6490	5	6027	
3657	33494	5505		4423		5203		5124		5169		4754	
3658	33495	5157		5388		5480		4943		3366		5097	
3659	33496	5347		6072	3	5834	6*	5444	9	5862		4978	
3660	33497	5164		4996		4968		4494		3535		4903	
3661	33498	4444		3940		4389		4537		5403		6265	
3662	33499	3510		3260		3506		3682		3277		4821	
3663	33500	4729		2485		4390		4549		4694		7098	2
3664	LC	3463		5397		4729		4688		5700		7024	4
Experimental Mean		5011		4353		4734		4710		5003		5618	
CD(0.05)		1075		1006		491		462		1064		860	
CV(%)		10.73		11.57		5.19		4.91		10.64		7.65	
F val		12.35**		10.54**		21.43**		15.3**		6.85**		8.2**	
DOS		06-06-2025		17-06-2025						06-07-2025		21-07-2025	
DOP		04-07-2025		12-07-2025						29-07-2025		18-08-2025	
Local Check Name		Phule Radha		Karjat 3						MTU 1121		Thanu	

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Karnataka		Karnataka		Karnataka (3)		Kerala		Kerala (2)			
		Mugad		Brahmavar		Mean		Monocompu		Pattambi		Mean	
3601	33440	4353		4855	8	5336		4094		4690		4392	
3602	33441	5648	*	4836	9	5141		5006		4122		4564	
3603	33442	5126		5019	3	5219		5312		4330		4822	
3604	33443	5018		4104		4734		4381		3591		3986	
3605	33444	5272		4968	4	5660	4	4038		4207		4122	
3606	33445	6134	10*	3763		5189		6831	*	4086		5459	
3607	33446	5389		4223		5265		4694		3204		3949	
3608	33447	5467		4104		4696		5200		4594		4897	
3609	33448	5536	*	3908		5405		4112		3425		3769	
3610	33449	4477		3706		4565		4719		4579		4649	
3611	33450	5924	*	4160		5549		3750		5348		4549	
3612	33451	4462		4085		4868		5112		5352		5232	
3613	33452	5226		3952		4999		3981		4798		4389	
3614	33453	5279		4223		5159		4325		5181		4753	
3615	33454	4717		4021		4319		5750		4276		5013	
3616	33455	5094		4217		4760		7144	9*	5332		6238	6
3617	33456	4220		4186		4235		5269		5937	8	5603	
3618	33457	6316	6*	4040		5350		6738	*	6502	4	6620	4*
3619	Gontra Bidhan-3 (NC)	4254		4072		4908		4081		4290		4186	
3620	33458	5198		4021		5047		8725	1*	5496		7110	1*
3621	33459	6327	3*	4122		5225		6050		4701		5376	
3622	33460	5828	*	3037		4959		7181	8*	3508		5345	
3623	33461	4931		2614		4648		7331	6*	3386		5359	
3624	33462	6324	5*	3920		5578	8	3838		4091		3964	
3625	33463	4295		4097		4228		3625		5012		4318	
3626	33464	5116		4186		5397		5919		3474		4696	
3627	33465	6032	*	5088	2	5651	5	3238		6682	2*	4960	
3628	33466	4990		4072		4496		6500		5977	7	6238	5
3629	33467	4531		3965		4709		5412		6745	1*	6079	9
3630	33468	5265		3788		4855		4669		5568		5119	
3631	33469	5341		3952		4811		5006		6266	5	5636	
3632	33470	4314		4053		4304		4238		5056		4647	
3633	33471	5647	*	4040		4973		4906		4552		4729	
3634	33472	6693	2*	4059		5553		5412		3341		4377	
3635	33473	5485		4735		5113		4188		3596		3892	
3636	33474	4615		3788		4919		4475		3832		4154	
3637	33475	4814		4918	5	4844		6881	10*	4984		5933	10
3638	33476	6327	4*	4104		5833	1	3156		6540	3	4848	
3639	33477	4558		3832		4344		7531	5*	4184		5857	
3640	33478	6285	7*	4135		5026		3375		4113		3744	
3641	33479	4420		4804	10	5558	10	5050		3976		4513	
3642	ZC	4598		3984		4902		5712		4968		5340	
3643	33480	4876		3718		4946		7256	7*	5988	6	6622	3*
3644	33481	5343		4337		5523		4381		5576	10	4978	
3645	33482	4055		3838		4400		3450		5004		4227	
3646	33483	5202		4192		5071		6788	*	4407		5597	
3647	33484	5145		3649		4598		6025		4770		5398	
3648	33485	7300	1*	4034		5710	3	3500		4962		4231	
3649	33486	6172	9*	4489		5617	6	7838	4*	4352		6095	8
3650	33487	5727	*	4867	7	4625		3169		3850		3509	
3651	33488	5704	*	4760		5184		3025		3676		3350	
3652	33489	5580	*	3902		4812		8206	2*	3617		5912	
3653	33490	5361		4217		5085		5331		3796		4564	
3654	33491	6095	*	3100		4714		2306		4733		3520	
3655	33492	4885		4773		4829				5056		5056	
3656	33493	5784	*	4135		5315		5119		4176		4647	
3657	33494	4539		4179		4491		6525		5838	9	6182	7
3658	33495	6065	*	3819		4994		7944	3*	5322		6633	2*
3659	33496	5681	*	4085		4915		4388		4312		4350	
3660	33497	5835	*	3466		4735		4238		4756		4497	
3661	33498	6176	8*	4905	6	5782	2	6031		4424		5228	
3662	33499	5582	*	4659		5021		2675		3721		3198	
3663	33500	5778	*	3952		5609	7	4750		3736		4243	
3664	LC	4291		5379	1	5565	9	3894		3388		3641	
Experimental Mean		5328		4160		5029		5140		4646		4892	
CD(0.05)		895		809		463		863		1606		991	
CV(%)		8.41		9.73		4.6		8.4		17.3		10.14	
F val		4.97**		2.98**		6.45**		23.82**		2.58**		6.51**	
DOS		05-07-2025		28-06-2025				28-06-2025					
DOP		21-07-2025		12-08-2025				25-07-2025					
Local Check Name		PSB-68		BMR-US-1-24-2				Jyothi					

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Puducherry		Telangana						Telangana (4)			
		Karaikal		Kunaram		Kampasagar		Rajendranagar		Warangal		Mean	
3601	33440	5350	2	4592		5922		7930	2	8147	6	6648	
3602	33441	4033		5425		5467		5557		6283		5683	
3603	33442	4767		4323		5233		5682		5669		5227	
3604	33443	3433		3568		5100		6688		6425		5445	
3605	33444	4900		4722		5333		6079		6447		5646	
3606	33445	2450		4861		5478		6171		4326		5209	
3607	33446	4700		4609		6178		5924		6453		5791	
3608	33447	4133		4618		4822		6287		8163	5	5973	
3609	33448	3483		5868	6	4044		6304		6140		5589	
3610	33449	3967		3655		5444		5621		7034		5438	
3611	33450	3633		3186		5889		5696		6678		5362	
3612	33451	3033		5434		5222		5230		7346		5808	
3613	33452	4217		6163	5	6467	6	5839		7577		6512	6
3614	33453	4033		3932		5433		6289		6332		5497	
3615	33454	4250		4523		5656		4668		5367		5053	
3616	33455	3267		4627		6389	9	5227		8673	3	6229	
3617	33456	3700		5122		5533		4472		6157		5321	
3618	33457	4783		5113		6356		5636		7549		6164	
3619	Goitra Bidhan-3 (NC)	4033		5582	10	5289		6764		8141	8	6444	8
3620	33458	3967		3411		6389	9	5579		6913		5573	
3621	33459	3333		4800		5233		5130		6798		5491	
3622	33460	4383		4696		5133		7211	5	6442		5871	
3623	33461	3667		5043		6267		8112	1	8838	1	7065	2
3624	33462	3633		3785		5689		6892	8	6447		5703	
3625	33463	3900		4149		5544		4950		5164		4952	
3626	33464	3083		4696		5711		3171		7105		5171	
3627	33465	4683		4410		5378		4152		7100		5260	
3628	33466	4450		4444		5856		5028		5170		5125	
3629	33467	4083		6224	4	5200		5880		3481		5196	
3630	33468	4100		3924		4933		6255		7336		5612	
3631	33469	4900	10	4444		5833		5460		5312		5262	
3632	33470	3233		3446		5200		4510		6639		4949	
3633	33471	5217	4	3316		5133		5086		7303		5210	
3634	33472	3650		3524		5178		5327		8388	4	5604	
3635	33473	3350		3490		6356		5492		8695	2	6008	
3636	33474	3317		4418		4856		2796		3224		3823	
3637	33475	3717		5599	8	6344		6759		7533		6559	5
3638	33476	5017	6	6589	3*	6233		7542	3	7950	10	7078	1
3639	33477	4967	8	3646		4844		4688		3690		4217	
3640	33478	3950		7700	1*	6200		4642		8147	6	6672	3
3641	33479	4333		3290		4700		2393		4315		3674	
3642	ZC	5083	5	4601		5422		5943		7719		5921	
3643	33480	5350	2	3828		6300		6892	8	6486		5877	
3644	33481	4000		4844		7044	3	6899	7	6732		6380	9
3645	33482	3267		3620		4900		5520		6880		5230	
3646	33483	4017		4922		5789		7540	4	7692		6486	7
3647	33484	5000	7	4514		5744		7033	6	3986		5319	
3648	33485	4850		4019		6422	7	5552		6140		5533	
3649	33486	3200		4974		5022		5655		6765		5604	
3650	33487	4933	9	4609		6400	8	5653		4413		5269	
3651	33488	4367		4679		5544		6397		5115		5434	
3652	33489	4800		5590	9	5611		6111		6031		5836	
3653	33490	4583		4210		7222	1*	3795		4956		5046	
3654	33491	2850		3359		5567		3582		1793		3575	
3655	33492	3933				6544	5	5861				6203	
3656	33493	4833		5087		5767		6725		6941		6130	
3657	33494	3567		4575		6167		5195		8065	9	6000	
3658	33495	3317		3958		6900	4	5144		6639		5660	
3659	33496	4717		5260		4900		5854		6650		5666	
3660	33497	4733		5781	7	5511		6744		6146		6046	
3661	33498	3700		6970	2*	5044		6445		6420		6220	
3662	33499	4000		3290		6111		5217		4731		4837	
3663	33500	3650		4800		7167	2*	6350		6749		6266	10
3664	LC	5650	1	5451		5689		6823	10	6486		6112	
Experimental Mean		4117		4633		5692		5719		6420		5621	
CD(0.05)		831		833		1456		1548		1505		738	
CV(%)		10.1		8.99		12.8		13.54		11.73		6.57	
F val		5.73**		10.26**		1.57*		4.33**		7.34**		7.14**	
DOS		17-09-2025		19-06-2025		03-07-2025		16-07-2025		25-06-2025			
DOP		23-10-2025		19-07-2025		06-08-2025		11-08-2025		25-07-2025			
Local Check Name		KKL(R) 4		KNM 118		KNM 118		KNM 118		KNM 118			

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (13)		Uttar Pradesh (3)		Maharashtra (4)	
		Tamil Nadu			Tamil Nadu (2)			Mean		Mean		Mean	
		Aduturai		Coimbatore			Mean						
3601	33440	5128	6	4848		4988	8	5449	7	4690		6244	1*
3602	33441	4915		4888	10	4901		5155		6095	6	5746	3*
3603	33442	5214	5	3922		4568		5044		5662		4414	
3604	33443	4829		4603		4716		4782		5406		4680	
3605	33444	4701		4544		4622		5285		5394		5821	2*
3606	33445	5000		4603		4802		5067		6024		5477	8
3607	33446	4829		4147		4488		5068		5963		5435	9
3608	33447	4359		4332		4345		4956		5657		4370	
3609	33448	5128	6	4729		4929	10	4948		5600		4941	
3610	33449	4658		4716		4687		4844		5772		4487	
3611	33450	4872		4484		4678		4978		5575		4697	
3612	33451	5043		3816		4429		4983		5252		4358	
3613	33452	5256	4	3426		4341		5307		5540		4027	
3614	33453	5043		4491		4767		5136		5803		4808	
3615	33454	5128	6	4101		4614		4792		5501		3460	
3616	33455	4744		3274		4009		5266		5897		4356	
3617	33456	4274		4431		4352		4809		5390		4360	
3618	33457	7479	1*	4901	9	6190	1*	5909	1*	6158	5	5327	
3619	Gontra Bidhan-3 (NC)	5043		4940	8	4992	7	5139		6046	8	5143	
3620	33458	4573		5496	2	5034	6	5473	5	4049		5661	6*
3621	33459	4786		3108		3947		4879		5271		4606	
3622	33460	5043		4497		4770		5339	10	5649		4640	
3623	33461	4103		5820	1	4961	9	5536	4	6921	1*	5364	
3624	33462	4872		4246		4559		5041		6030	10	4941	
3625	33463	3932		3340		3636		4317		4513		3854	
3626	33464	4103		3710		3906		4785		4989		4501	
3627	33465	3761		4392		4076		4937		5737		5133	
3628	33466	4231		3433		3832		4921		5257		4746	
3629	33467	3803		5020	7	4412		5025		6076	7	4897	
3630	33468	3932		4484		4208		4979		5868		5399	10
3631	33469	3675		4286		3980		5000		4594		4434	
3632	33470	4274		3690		3982		4469		5218		3915	
3633	33471	4402		3485		3944		4786		5244		4246	
3634	33472	4274		3776		4025		4885		5482		5575	7
3635	33473	3974		3505		3740		4839		5771		4525	
3636	33474	4274				4274		4265		5404		4715	
3637	33475	4188		3968		4078		5239		5560		3779	
3638	33476	5043		5139	6	5091	5	5834	2*	6209	4	5247	
3639	33477	4359		4458		4408		4639		5678		5044	
3640	33478	5085		4398		4742		5360	9	5777		3748	
3641	33479	4530		4253		4391		4358		4716		3844	
3642	ZC	4402		4683		4542		5419	8	4850		4192	
3643	33480	4658		4193		4426		5305		5254		4915	
3644	33481	5000		4253		4626		5284		6034	9	4908	
3645	33482	4786		3611		4199		4591		5418		4230	
3646	33483	4701		4034		4368		5321		5990		4202	
3647	33484	5128	6	5331	3	5229	4	5060		4046		4871	
3648	33485	4231		4259		4245		5090		4692		4487	
3649	33486	4957		3340		4149		5297		5060		5040	
3650	33487	4487		4226		4357		4728		4733		5090	
3651	33488	4957		3532		4245		4686		5375		5392	
3652	33489	4573		4742		4657		5309		5853		4526	
3653	33490	4316		5304	4	4810		4932		5723		5745	4*
3654	33491	5128	6	4193		4661		4063		4374		4751	
3655	33492	5385	3			5385	3	5205		6814	2*	5372	
3656	33493	5726	2	5251	5	5489	2	5543	3	6436	3	3848	
3657	33494	4615		3294		3955		5114		4893		5002	
3658	33495	5085		3347		4216		5077		5190		5373	
3659	33496	4701		3955		4328		5026		5377		5713	5*
3660	33497	4786		3776		4281		4939		5588		4763	
3661	33498	5043		4312		4677		5472	6	5832		4104	
3662	33499	5043		3347		4195		4344		4339		3980	
3663	33500	4316				4316		5253		5826		4655	
3664	LC	4957		4200		4578		5302		5374		4971	
Experimental Mean		4716		4244		4490		5034		5477		4767	
CD(0.05)		779		960		657		337		644		479	
CV(%)		8.26		11.3		7.32		3.35		5.88		5.03	
F val		4.14**		3.39**		3.76**		8.88**		6.72**		12.58**	
DOS		30-06-2025		25-06-2025									
DOP		03-08-2025		21-07-2025									
Local Check Name		ADT 58		TKM 13									

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN				ZONE IV - NORTH EASTERN	
		Jharkhand		Uttar Pradesh		Tripura	
		@Chatha		@Kanpur		@Lembucherra	
3601	33440	3700	10	3127		3388	
3602	33441	4000	7	4081		5025	
3603	33442	4175	3			5338	5
3604	33443	3100		4800	5	4812	
3605	33444	3375		2633		4100	
3606	33445	3975	8	2953		3625	
3607	33446	3600		4794	6	5150	8
3608	33447	4025	5	3856		4325	
3609	33448	4300	2	2844		4438	
3610	33449	3475		3041		4812	
3611	33450	3875	9			3338	
3612	33451	4100	4	2650		4600	
3613	33452	3500		2762		3625	
3614	33453	3100		4318	8	5275	7
3615	33454	2775		2720		3038	
3616	33455	3150		5603	1	5362	3
3617	33456	2350		3163		3475	
3618	33457	2725		3165		4512	
3619	Gontra Bidhan-3 (NC)	2700		2671		4312	
3620	33458	3000		3545		3562	
3621	33459	2200		2881		3750	
3622	33460	3150		3318		5088	9
3623	33461	4350	1	5122	3	5062	10
3624	33462	3500		4330	7	5350	4
3625	33463	2225		4013		3562	
3626	33464	2125		3195		4875	
3627	33465	2770		3051		2338	
3628	33466	1700		2842		4625	
3629	33467	2175		3766		4812	
3630	33468	3200		2924		3438	
3631	33469	3550		2818		3325	
3632	33470	2950		3015		4312	
3633	33471	3175		3362		3512	
3634	33472	3350		5363	2	4562	
3635	33473	3100		3684		4262	
3636	33474	3550		2379		3312	
3637	33475	2950		2074		4562	
3638	33476	2400		2592		4025	
3639	33477	3600		1882		4175	
3640	33478	2475		2508		3375	
3641	33479	3375		2472		3900	
3642	ZC	2600		3847		3938	
3643	33480	3330		2764		3812	
3644	33481	2500		2993		3512	
3645	33482	3375		2635		5325	6
3646	33483	2750		2814		3762	
3647	33484			2816		4350	
3648	33485	4025	5	2734		3562	
3649	33486	3550		1931		3700	
3650	33487	2600		3149		4725	
3651	33488	2550		3260		3762	
3652	33489	2375		3216		3288	
3653	33490					4975	
3654	33491	3550		4152	10	4438	
3655	33492			2304		5388	2
3656	33493	3650		4267	9	2425	
3657	33494	2400		2770		4725	
3658	33495	2550		2871		4188	
3659	33496			3276		3475	
3660	33497	2750		4896	4	5912	1
3661	33498	2725		3168		3012	
3662	33499	2525		2527		4012	
3663	33500	2375		3595		4825	
3664	LC	2325		2743		4388	
Experimental Mean		3090		3263		4185	
CD(0.05)		1031		704		1910	
CV(%)		16.68		10.78		22.84	
F val		3**		11.09**		1.3ns	
DOS		14-06-2025		27-06-2025		10-07-2025	
DOP		15-07-2025		04-08-2025		05-08-2025	
Local Check Name		SJR-5		CSR30		Tripura nirog	

Table No. 4.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN												ZONE II - NORTHERN (4)		
		Haryana			Punjab			Uttarakhand			Uttar Pradesh			Mean		
		Kaul			Ludhiana			Pantnagar			Nagina					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3601	33440	92	106	270	92	106	192	84	117	270	100	99	300	92	107	258
3602	33441	96	109	220	113	117	208	99	131	234	110	105	242	104	115	226
3603	33442	98	132	210	104	136	201	92	125	326	104	114	315	100	127	263
3604	33443	90	112	220	99	102	194	91	125	259	98	102	244	95	111	229
3605	33444	94	115	228	101	112	178	90	123	282	95	108	333	95	114	255
3606	33445	96	112	236	118	123	202	106	121	292	116	100	350	109	114	270
3607	33446	98	110	218	100	95	198	84	107	238	96	99	350	95	103	251
3608	33447	100	112	220	100	104	228	85	109	338	98	101	346	96	106	283
3609	33448	98	114	212	98	112	228	82	114	259	94	103	280	93	111	245
3610	33449	100	123	234	104	112	240	90	124	281	96	110	308	98	117	266
3611	33450	100	122	220	102	116	238	86	122	270	100	102	338	97	116	266
3612	33451	98	125	209	102	114	267	86	133	313	96	127	344	95	125	283
3613	33452	100	128	219				86	124	268	100	112	370	96	121	285
3614	33453	102	105	220	117	116	185	106	124	241	118	107	316	110	113	241
3615	33454	99	108	202	108	116	224	94	123	268	104	100	364	102	112	265
3616	33455	100	103	236	106	96	307	86	101	297	98	98	238	98	100	270
3617	33456	100	112	222	112	114	214	99	115	268	111	96	340	106	109	261
3618	33457	100	108	218	114	106	228	100	120	314	113	104	280	107	109	260
3619	Gontra Bidhan-3 (NC)	92	100	230	88	92	258	83	107	260	96	87	310	90	97	264
3620	33458	100	107	190				120	116	348	134	94	238	118	106	259
3621	33459	98	98	178	101	100	198	90	117	278	102	102	270	98	104	231
3622	33460	98	99	232	116	110	228	102	121	280	120	90	312	109	105	263
3623	33461	102	121	258	105	120	158	93	120	302	102	108	322	100	117	260
3624	33462	101	122	248	102	110	204	88	127	304	96	103	296	97	115	263
3625	33463	100	89	200	114	100	260	101	110	338	114	95	321	107	99	280
3626	33464	92	124	220	105	122	214	93	132	298	96	107	329	96	121	266
3627	33465	92	98	216	100	100	230	84	117	274	102	105	336	95	105	264
3628	33466	98	89	174	118	94	260	112	100	380	120	86	362	112	92	294
3629	33467	100	110	196	114	120	184	99	123	278	110	104	363	106	114	255
3630	33468	96	114	236	98	106	241	86	112	275	94	110	407	93	111	290
3631	33469	100	118	206	107	113	290	92	131	256	104	99	354	101	115	276
3632	33470	100	106	238	98	91	244	85	88	280	98	92	334	95	94	274
3633	33471	96	116	230	92	92	270	82	103	298	98	95	330	92	101	282
3634	33472	100	108	214	105	93	241	97	100	276	103	94	300	101	99	258
3635	33473	98	93	199	106	92	264	99	102	253	104	87	276	102	94	248
3636	33474	98	104	206	104	115	257	82	128	251	106	94	370	98	110	271
3637	33475	95	106	222	102	106	204	96	102	294	101	93	313	99	102	259
3638	33476	98	112	227	106	116	194	98	130	278	104	107	308	102	116	252
3639	33477	100	116	177	106	120	218	98	139	241	108	105	280	103	120	229
3640	33478	98	99	232	93	95	224	82	99	302	98	100	334	92	98	273
3641	33479	88	110	186	97	130	224	78	150	306	86	124	304	88	129	255
3642	ZC	98	90	215	103	92	268	97	102	304	102	97	340	100	95	282
3643	33480	96	105	205	106	98	222	97	102	277	104	92	322	101	99	256
3644	33481	98	99	178	106	108	201	98	115	268	106	108	338	102	107	246
3645	33482	98	106	206	104	96	264	88	109	310	98	103	410	97	103	298
3646	33483	100	120	217	104	112	251	90	115	296	96	110	308	98	114	268
3647	33484	101	109	183				124	129	298	104	86	302	110	108	261
3648	33485	102	114	204	115	108	208	104	113	238	112	92	294	108	106	236
3649	33486	100	134	218	104	111	188	92	126	276	101	106	316	100	119	250
3650	33487	102	124	208	120	114	214	110	137	346	136	92	402	117	116	292
3651	33488	100	126	180	100	114	182	92	127	266	100	109	340	98	119	242
3652	33489	100	108	172	119	111	188	106	117	260	120	91	302	111	107	230
3653	33490	98	106	172				116	126	260	136	91	286	117	108	239
3654	33491	98	107	178	116	126	201	102	130	282	116	100	269	108	116	232
3655	33492							114	121	314				114	121	314
3656	33493	99	140	220	100	116	175	84	120	268	100	115	311	96	123	243
3657	33494	102	116	178	100	106	191	92	115	300	101	97	289	99	109	240
3658	33495	101	110	208	107	99	208	96	115	245	104	98	303	102	105	241
3659	33496	100	102	181							140	86	296	120	94	238
3660	33497	98	109	237	100	110	192	84	113	279	94	98	299	94	107	252
3661	33498	102	135	227	104	119	185	88	123	258	100	99	302	98	119	243
3662	33499	101	102	192	106	94	198	96	112	304	106	89	302	102	99	249
3663	33500	94	111	237	98	96	251	84	105	248	94	102	296	92	103	258
3664	LC	96	111	246	106	107	192	78	107	377	102	92	307	96	104	280
Experimental Mean		98	111	212	104	108	220	93	117	284	105	100	316	101	109	260
Standard Error		0.6			0			0.95			0.61			0.45		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (2)			Jharkhand		
		Bikramganj (Dhangain)			Sabour			Mean			Ranchi		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3601	33440	89	103	366	87	92	230	88	98	298	86	110	222
3602	33441	88	118	354	102	118	222	95	118	288	93	109	177
3603	33442	85	124	332	101	124	226	93	124	280	85	110	172
3604	33443	86	116	377	90	102	232	88	109	305	82	108	203
3605	33444	91	110	368	95	120	266	93	115	317	80	116	234
3606	33445	102	114	392	116	108	288	109	111	340	94	116	284
3607	33446	87	103	372	93	98	242	90	100	307	80	102	220
3608	33447	82	99	372	96	99	300	89	99	336	80	94	239
3609	33448	86	110	370	86	110	208	86	110	289	80	105	207
3610	33449	84	115	356	90	103	314	87	109	335	84	112	210
3611	33450	85	124	383	89	105	245	87	115	314	83	110	203
3612	33451	82	126	388	95	114	275	88	120	332	84	121	262
3613	33452	83	118	365	97	110	278	90	114	321	83	110	218
3614	33453	97	118	378	103	124	215	100	121	296	92	110	186
3615	33454	87	106	360	98	117	195	92	112	277	88	114	210
3616	33455	82	107	385	96	92	254	89	99	320	98	92	222
3617	33456	91	110	355	107	113	279	99	112	317	88	108	292
3618	33457	96	107	362	106	116	268	101	111	315	86	106	212
3619	Gontra Bidhan-3 (NC)	88	102	330	90	90	244	89	96	287	86	98	263
3620	33458	109	111	374	115	118	268	112	114	322	96	103	241
3621	33459	89	107	365	95	110	240	92	108	302	80	104	246
3622	33460	91	110	368	112	104	285	102	107	326	86	104	218
3623	33461	92	116	369	103	110	238	98	113	303	90	105	191
3624	33462	85	113	374	95	101	228	90	107	300	84	112	213
3625	33463	96	94	401	103	101	254	100	98	328	90	98	258
3626	33464	93	117	362	95	118	218	94	117	290	86	120	228
3627	33465	90	110	372	88	102	238	89	106	305	84	106	208
3628	33466	98	94	384	118	96	268	108	95	326	90	88	256
3629	33467	95	106	382	116	112	272	106	109	328	90	110	212
3630	33468	92	106	372	88	105	274	90	106	323	88	106	236
3631	33469	83	112	362	98	108	295	90	110	329	85	106	240
3632	33470	84	89	374	94	84	298	89	87	336	81	96	196
3633	33471	83	96	332	85	84	339	84	90	336	95	88	156
3634	33472	92	93	359	98	100	190	95	96	274	98	95	254
3635	33473	92	98	393	98	89	287	95	94	340	101	91	212
3636	33474	91	106	395	99	102	220	95	104	308	86	92	208
3637	33475	90	103	358	104	105	230	97	104	294	90	96	164
3638	33476	89	110	351	98	106	267	94	108	309	92	114	246
3639	33477	85	109	368	104	128	215	95	118	292	92	126	224
3640	33478	86	97	360	91	95	255	88	96	307	80	133	194
3641	33479	79	128	388	82	111	215	81	120	301	83	116	160
3642	ZC	90	106	350	106	115	250	98	110	300	88	116	246
3643	33480	80	106	372	104	96	262	92	101	318	88	98	285
3644	33481	91	104	342	104	107	248	97	106	295	89	102	233
3645	33482	86	108	358	102	106	220	94	106	289	86	108	230
3646	33483	82	110	362	91	107	268	86	109	315	83	108	216
3647	33484	112	130	384	126	130	270	119	130	327	95	122	258
3648	33485	105	116	381	104	102	248	104	109	314	95	94	230
3649	33486	106	108	392	97	112	334	102	110	363	88	118	214
3650	33487	82	108	349	114	116	242	98	112	295	91	107	244
3651	33488	86	113	358	96	121	219	91	117	288	88	110	247
3652	33489	99	112	367	108	106	239	104	109	303	93	102	218
3653	33490	98	114	376	117	114	250	108	114	313	96	104	304
3654	33491	92	110	354	105	124	180	98	117	267	80	118	225
3655	33492				90	111	260	90	111	260	90	116	276
3656	33493	88	114	392	96	118	262	92	116	327	85	110	202
3657	33494	82	108	399	96	110	261	89	109	330	88	104	242
3658	33495	81	114	400	96	110	310	89	112	355	90	103	209
3659	33496	100	113	366	119	99	298	110	106	332	100	104	208
3660	33497	80	106	378	89	97	240	84	102	309	90	94	202
3661	33498	80	123	404	100	111	262	90	117	334	84	112	234
3662	33499	88	101	393	96	105	360	92	103	376	93	96	292
3663	33500	80	108	352	88	102	235	84	105	294	80	104	204
3664	LC	96	100	382	98	116	227	97	108	304	92	116	254
Experimental Mean		89	109	370	99	107	255	94	108	312	87	106	226
Standard Error		0			0.75			0.38			3.37		

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Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha						Odisha (2)			Uttar Pradesh					
		NRRI			Jeypore			Mean			Masodha			Varanasi		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3601	33440	102	108	440	102	81	178	102	94	309	90	92	286	98	102	205
3602	33441	107	122	360	102	87	188	104	104	274	100	93	275	100	117	205
3603	33442	104	134	280	100	97	182	102	116	232	98	102	244	98	133	178
3604	33443	94	96	284	102	90	200	98	93	242	102	112	273	96	119	246
3605	33444	100	118	411	102	98	191	101	108	301	88	94	278	96	111	181
3606	33445	117	124	409	93	83	188	105	104	298	102	93	274	90	121	240
3607	33446	97	108	280	92	75	234	94	92	257	102	104	294	94	100	212
3608	33447	98	108	533	92	85	275	96	96	404	96	101	258	88	107	214
3609	33448	90	105	290	98	87	218	94	96	254	92	102	269	96	102	202
3610	33449	102	118	505	100	94	184	101	106	345	102	90	286	92	112	198
3611	33450	96	120	428	98	99	191	97	110	309	102	106	270	96	110	184
3612	33451	98	122	436	92	93	216	96	107	326	100	104	270	92	115	230
3613	33452	103	117	516	100	91	208	102	104	362	105	92	270	91	114	209
3614	33453	102	116	317	90	88	208	96	102	262	104	80	266	102	113	160
3615	33454	102	116	297	102	90	185	102	103	241	104	104	264	98	121	193
3616	33455	96	110	228	100	78	212	98	94	220	100	91	252	94	101	248
3617	33456	104	118	304	101	88	248	102	103	276	102	82	278	102	109	228
3618	33457	108	116	642	102	75	174	105	95	408	90	104	287	98	104	240
3619	Contra Bidhan-3 (NC)	92	98	300	102	84	178	97	91	239	104	109	270	88	100	198
3620	33458	114	123	340	98	89	204	106	106	272	105	103	267	116	112	240
3621	33459	95	98	413	98	81	214	96	89	314	96	106	274	92	105	194
3622	33460	102	116	272	100	95	211	101	105	242	103	106	248	106	112	200
3623	33461	94	122	436	102	89	218	98	105	327	100	92	263	98	123	178
3624	33462	96	116	307	100	94	201	98	105	254	99	104	284	90	110	163
3625	33463	104	108	406	100	92	154	102	100	280	114	102	260	106	99	222
3626	33464	94	122	221	100	98	168	98	110	194	104	112	244	92	120	183
3627	33465	92	105	334	99	84	188	96	94	261	104	108	268	94	109	218
3628	33466	115	105	502	102	69	178	108	87	340	88	119	262	112	93	276
3629	33467	114	113	266	98	90	181	106	101	224	100	102	256	108	112	190
3630	33468	96	106	382	94	86	198	95	96	290	88	104	248	88	109	204
3631	33469	100	114	409	102	88	204	100	101	306	102	104	246	96	116	248
3632	33470	102	99	499	100	80	211	101	89	355	98	92	278	93	98	250
3633	33471	82	112	422	92	86	231	87	99	327	100	114	282	86	98	200
3634	33472	96	96	342	92	68	212	94	82	276	102	104	226	98	99	178
3635	33473	100	96	426	100	70	172	100	83	299	96	85	252	98	97	222
3636	33474				97	90	164	97	90	164	108	99	265	98	99	218
3637	33475	100	104	333	94	71	208	97	88	270	96	92	290	98	104	156
3638	33476	98	115	307	92	94	191	96	104	249	102	111	272	99	116	224
3639	33477	106	126	533	98	84	194	102	105	364	88	103	268	102	123	180
3640	33478	92	101	324	94	79	154	93	90	239	92	92	260	90	92	232
3641	33479	91	124	299	94	105	198	92	115	248	106	111	284	84	128	194
3642	ZC	104	116	472	96	93	244	100	105	358	102	105	276	104	120	258
3643	33480	108	98	588	100	77	252	104	88	420	98	110	298	98	99	238
3644	33481	102	100	332	98	78	188	100	89	260	100	96	248	98	104	224
3645	33482	99	106	396	102	83	184	100	94	290	103	82	261	90	100	207
3646	33483	97	108	300	98	96	168	98	102	234	104	102	286	89	104	204
3647	33484	126	134	490	102	88	208	114	111	349	114	92	248	128	126	186
3648	33485	108	106	317	98	76	228	103	91	273	116	119	242	106	102	220
3649	33486	98	120	374	100	81	196	99	101	285	102	109	284	98	115	200
3650	33487	116	124	272	98	88	268	107	106	270	112	108	237	106	112	210
3651	33488	97	118	327	100	84	192	99	101	260	88	104	281	92	117	190
3652	33489	106	107	234	93	82	181	100	94	208	100	83	290	99	101	166
3653	33490	108	114	444	102	77	273	104	95	358	92	81	282	108	107	242
3654	33491	109	124	540	100	87	268	104	106	404	102	100	228	102	117	164
3655	33492				102	89	194	102	89	194	100	92	268	99	95	232
3656	33493	102	118	355	92	93	194	97	106	274	102	90	256	94	112	235
3657	33494	98	110	500	102	78	188	100	94	344	98	112	268	100	107	195
3658	33495	103	109	302	102	80	206	102	95	254	101	92	246	98	115	196
3659	33496	114	112	512	103	80	191	108	96	352	112	92	298	116	106	171
3660	33497	96	104	224	101	75	245	99	89	235	104	104	249	90	104	221
3661	33498	101	126	462	94	102	252	97	114	357	106	92	268	98	113	196
3662	33499	105	98	416	100	71	174	102	84	295	86	115	293	98	100	248
3663	33500	94	106	282	93	98	204	94	102	243	100	92	282	90	102	210
3664	LC	102	118	397	100	92	178	100	105	287	82	119	260	106	95	251
Experimental Mean		101	112	380	98	85	202	100	99	288	99	100	267	97	108	209
Standard Error		0.94			0.7			0.57			0.96			0.71		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Uttar Pradesh (2)						West Bengal								
		Mean			Malda			Bankura			chinsurah			Hatwara		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3601	33440	94	97	246	82	126	406	84	88	348	95	106	330	88	107	259
3602	33441	100	105	240	100	123	406	85	93	350	100	118	280	94	115	196
3603	33442	98	118	210	84	136	236	86	96	372	98	126	412	90	128	164
3604	33443	98	115	260	80	132	415	86	86	352	92	102	182	90	116	196
3605	33444	92	102	229	78	127	436	84	88	358	93	108	412	88	115	228
3606	33445	96	107	257	100	128	462	86	113	405	106	115	346	101	116	264
3607	33446	98	102	254	88	120	454	88	116	404	92	106	363	90	104	177
3608	33447	92	104	236	84	109	426	83	107	415	95	104	314	89	110	158
3609	33448	94	102	236	81	112	374	84	110	395	92	109	264	82	110	235
3610	33449	98	101	242	82	118	396	88	113	351	100	113	544	88	118	205
3611	33450	99	108	227	86	122	358	86	114	362	94	114	314	86	120	230
3612	33451	96	109	250	84	132	322	88	94	353	92	118	512	88	126	256
3613	33452	98	103	240	84	122	464	86	97	352	93	110	346	90	116	248
3614	33453	102	96	212	103	134	472	84	100	388	98	114	248	95	110	235
3615	33454	100	113	229	87	143	322	86	111	402	100	110	214	96	118	270
3616	33455	97	96	250	88	132	350	88	112	400	95	108	346	89	110	236
3617	33456	102	96	253	95	118	436	86	101	408	99	104	610	98	112	230
3618	33457	94	104	263	90	108	280	88	106	411	98	94	429	98	109	287
3619	Gontra Bidhan-3 (NC)	96	104	234	86	124	456	90	95	404	92	101	231	87	104	228
3620	33458	110	108	254	97	129	330	88	88	408	103	112	363	104	110	254
3621	33459	94	105	234	86	117	380	86	97	358	93	110	330	87	98	240
3622	33460	104	109	224	96	137	466	84	105	348	99	114	429	96	114	238
3623	33461	99	107	221	92	124	324	86	101	410	100	118	446	92	112	244
3624	33462	94	107	223	88	118	469	88	111	408	93	103	231	91	112	263
3625	33463	110	101	241	82	106	260	88	115	408	94	106	297	98	104	278
3626	33464	98	116	214	84	144	325	86	114	360	92	101	280	90	124	286
3627	33465	99	108	244	82	122	320	86	118	351	93	112	297	88	110	218
3628	33466	100	106	269	96	212	453	88	118	410	98	104	330	104	88	276
3629	33467	104	107	223	84	134	255	88	111	348	100	114	280	100	96	214
3630	33468	88	107	226	84	107	392	84	112	398	92	107	346	80	114	231
3631	33469	99	110	247	95	136	273	84	112	376	94	104	314	89	116	257
3632	33470	96	95	264	90	102	298	82	113	362	94	102	280	95	98	224
3633	33471	93	106	241	82	106	250	86	108	375	94	92	248	86	108	216
3634	33472	100	101	202	90	132	433	86	108	370	98	102	182	100	106	264
3635	33473	97	91	237	92	116	445	86	114	362	95	92	314	96	97	271
3636	33474	103	99	242	90	123	442	84	110	382	92	110	248	89	108	214
3637	33475	97	98	223	90	112	236	80	102	378	98	103	231	92	96	274
3638	33476	100	114	248	89	124	456	86	106	394	98	110	478	96	109	234
3639	33477	94	113	224	89	144	396	86	115	403	95	116	297	97	124	206
3640	33478	91	92	246	77	102	400	85	116	412	94	101	396	86	93	275
3641	33479	95	119	239	78	149	212	84	86	413	91	108	264	86	134	272
3642	ZC	103	113	266	90	134	413	88	100	422	95	110	330	92	118	250
3643	33480	98	104	268	88	114	384	84	100	398	97	101	380	102	113	247
3644	33481	99	100	236	98	106	434	86	98	361	96	104	314	92	116	248
3645	33482	96	91	234	80	112	394	89	97	382	95	107	412	88	114	264
3646	33483	96	103	245	87	124	448	86	90	342	94	114	380	88	115	236
3647	33484	122	109	217	90	133	275	86	100	377	108	121	280	108	118	249
3648	33485	111	110	231	102	130	265	83	114	386	100	113	330	105	116	264
3649	33486	100	112	242	100	128	352	86	118	400	93	116	264	88	129	284
3650	33487	109	110	224	95	129	466	88	109	358	99	103	346	104	121	270
3651	33488	90	111	236	86	133	372	87	105	342	93	112	248	85	126	212
3652	33489	100	92	228	99	123	461	89	107	392	99	102	280	93	110	214
3653	33490	100	94	262	99	120	466	88	105	406	100	108	346	100	102	284
3654	33491	102	108	196	103	134	442	88	106	408	98	118	314	98	111	236
3655	33492	100	94	250	102	128	305	88	118	410	98	108	578			
3656	33493	98	101	246	92	128	396	86	98	351	93	114	264	90	118	254
3657	33494	99	110	231	90	109	442	84	113	362	93	110	363	88	107	235
3658	33495	99	104	221	88	126	388	88	108	368	94	108	280	87	113	256
3659	33496	114	99	234	103	106	270	88	105	362	98	110	462	96	114	234
3660	33497	98	104	235	77	116	436	87	114	371	92	114	314	92	101	240
3661	33498	102	102	232	86	117	424	86	90	378	94	99	363	91	118	232
3662	33499	92	108	270	90	124	363	86	91	404	96	104	462	95	109	230
3663	33500	95	97	246	86	126	406	85	91	401	92	106	297	87	113	210
3664	LC	94	107	255	98	112	188	84	87	412	91	99	314	82	116	246
Experimental Mean		99	104	238	89	124	376	86	104	382	95	108	335	92	111	240
Standard Error		0.61			1.24			2.14			0.82			1		

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Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE III - EASTERN			ZONE III -			ZONE IV - NORTH EASTERN			ZONE V - CENTRAL		
		West Bengal (4)			EASTERN (11)			Assam			Chhattisgarh		
		Mean			Mean			Titabar			Raipur		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3601	33440	87	107	336	91	101	297	104	102	362	99	114	182
3602	33441	95	112	308	97	110	274	112	116	264	110	106	157
3603	33442	90	122	296	94	119	255	110	138	346	106	134	168
3604	33443	87	109	286	91	107	269	98	112	337	98	107	204
3605	33444	86	109	359	90	109	306	108	114	351	100	114	174
3606	33445	98	118	369	101	112	323	120	120	278	112	114	285
3607	33446	90	111	350	91	103	296	110	109	308	98	105	262
3608	33447	88	108	328	90	102	318	107	114	348	98	106	238
3609	33448	85	110	317	88	106	276	104	113	252	98	116	222
3610	33449	89	116	374	92	110	323	110	123	314	104	117	187
3611	33450	88	117	316	91	113	288	100	120	250	86	123	234
3612	33451	88	117	361	91	115	320	104	129	368	100	119	200
3613	33452	88	111	352	92	109	316	108	123	293	103	115	286
3614	33453	95	114	336	97	110	279	114	122	247	108	114	261
3615	33454	92	121	302	95	114	265	106	123	288	106	104	287
3616	33455	90	116	333	93	103	285	106	109	320	97	114	250
3617	33456	94	109	421	98	106	334	110	126	308	107	116	326
3618	33457	94	104	352	96	104	327	116	109	369	110	107	221
3619	Contra Bidhan-3 (NC)	89	106	330	91	101	282	100	103	296	98	110	258
3620	33458	98	110	339	104	109	299	126	123	346	118	107	176
3621	33459	88	106	327	90	103	296	108	108	328	98	95	238
3622	33460	94	117	370	98	111	299	112	122	311	102	116	274
3623	33461	93	113	356	95	110	302	114	120	340	106	116	214
3624	33462	90	111	343	92	109	285	106	119	258	100	117	232
3625	33463	91	108	311	98	102	291	106	109	270	105	107	176
3626	33464	88	121	313	93	117	262	104	122	316	98	123	228
3627	33465	87	116	297	91	108	274	102	110	305	104	106	178
3628	33466	96	131	367	101	108	327	101	96	302	120	85	196
3629	33467	93	114	274	99	109	260	124	120	342	110	109	284
3630	33468	85	110	342	89	106	298	104	117	348	97	105	180
3631	33469	91	117	305	93	111	293	110	119	296	102	117	183
3632	33470	90	104	291	92	96	297	106	98	287	98	97	290
3633	33471	87	104	272	88	99	277	102	104	290	94	95	260
3634	33472	94	112	312	96	100	273	108	102	282	105	96	226
3635	33473	92	105	348	96	95	305	106	99	271	106	97	207
3636	33474	89	112	321	93	104	276	114	108	358	86	106	279
3637	33475	90	103	280	94	99	260	106	109	294	105	106	244
3638	33476	92	112	391	95	111	311	108	120	305	104	115	252
3639	33477	92	125	326	95	118	299	116	133	268	108	124	269
3640	33478	86	103	371	88	100	296	104	105	314	98	98	256
3641	33479	85	119	290	87	118	263	100	125	221	92	136	169
3642	ZC	91	116	354	96	112	319	110	127	331	96	117	298
3643	33480	92	107	352	95	101	337	111	103	342	105	105	276
3644	33481	93	106	339	96	102	288	108	110	325	107	96	275
3645	33482	88	108	363	93	102	301	104	110	331	98	104	306
3646	33483	89	111	351	91	150	292	102	118	290	98	107	156
3647	33484	98	118	295	109	118	293	100	132	304	92	125	290
3648	33485	97	118	311	102	108	283	116	104	330	107	111	258
3649	33486	92	123	325	96	114	300	106	133	313	101	118	184
3650	33487	97	116	360	100	111	297	120	120	305	113	117	308
3651	33488	88	119	294	91	113	272	110	127	258	108	123	156
3652	33489	95	110	337	98	103	277	115	113	226	107	108	254
3653	33490	96	109	376	100	104	334	120	117	320	110	105	278
3654	33491	97	117	350	98	114	305	118	136	342	110	126	299
3655	33492	96	118	431	96	107	315						
3656	33493	90	114	316	93	110	288	106	124	316	100	124	248
3657	33494	89	110	351	93	106	314	108	116	334	101	107	302
3658	33495	89	114	323	93	107	287				104	116	234
3659	33496	96	109	332	104	104	307	122	122	262	116	104	191
3660	33497	87	111	340	91	103	284	106	109	278	98	107	320
3661	33498	89	106	349	93	109	316	112	126	308	102	115	246
3662	33499	92	107	365	94	101	331	112	106	308	104	96	272
3663	33500	88	109	328	89	104	280	104	108	284	94	116	248
3664	LC	89	103	290	94	106	283	120	137	378	96	98	192
Experimental Mean		91	112	334	94	107	295	109	116	307	102	110	238
Standard Error		0.76			0.45			0.5			2.81		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL														
		Chhattisgarh						Chhattisgarh (3)			Maharashtra			Madhya Pradesh		
		Ambikhapur			Jagadlpur			Mean			Sakoli			Rewa		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3601	33440	97	100	158	95	65	205	97	93	182	100	98	356	92	95	264
3602	33441	106	105	160	104	73	240	106	95	186	106	104	310	96	102	300
3603	33442	96	113	177	106	90	276	103	112	207	102	125	250	102	104	199
3604	33443	92	106	251	99	73	198	96	96	218	98	105	319	91	103	343
3605	33444	88	116	186	95	79	188	94	103	183	97	116	329	90	108	298
3606	33445	105	98	243	109	75	230	108	96	253	111	104	334	96	117	351
3607	33446	88	100	209	91	64	192	92	90	221	94	100	319	91	106	306
3608	33447	102	91	162	103	67	220	101	88	206	95	98	310	91	104	300
3609	33448	90	103	219	92	71	238	93	97	226	94	106	342	90	100	324
3610	33449	95	102	152	102	75	230	100	98	190	100	108	316	95	100	248
3611	33450	90	110	179	92	88	268	90	107	227	97	99	359	96	98	308
3612	33451	88	112	218	90	86	216	93	106	211	96	116	344	91	104	282
3613	33452	89	117	190	92	88	245	95	107	241	98	119	333	92	116	281
3614	33453	89	112	202	104	80	228	100	102	230	107	117	240	96	102	330
3615	33454	102	104	205	99	82	233	102	97	242	106	108	247	92	102	296
3616	33455	88	101	208	92	71	200	92	95	219	98	100	318	90	108	298
3617	33456	92	108	194	103	71	205	101	98	241	109	117	318	96	108	316
3618	33457	93	90	232	109	72	238	104	89	230	104	102	300	94	100	223
3619	Gontra Bidhan-3 (NC)	99	103	208	85	65	208	94	92	225	97	98	274	95	106	300
3620	33458	103	107	249	104	79	240	108	98	222	116	103	279	98	114	318
3621	33459	94	94	185	95	65	220	96	85	215	94	93	199	96	94	282
3622	33460	97	100	178	102	72	240	100	96	231	109	100	247	100	104	304
3623	33461	97	111	142	105	79	215	103	102	190	102	104	260	97	102	308
3624	33462	100	102	185	90	73	240	96	97	219	94	116	238	92	102	304
3625	33463	100	89	173	103	69	216	103	88	188	104	93	143	92	94	292
3626	33464	99	126	184	92	86	248	96	112	220	98	116	226	92	104	332
3627	33465	91	102	165	92	66	190	96	91	178	100	100	210	94	92	192
3628	33466	101	83	210	108	60	201	110	76	202	114	90	226	102	92	295
3629	33467	98	103	200	107	70	234	105	94	240	108	104	311	94	106	316
3630	33468	88	103	169	87	68	246	90	92	198	94	108	320	91	116	336
3631	33469	90	108	153	95	80	194	96	102	176	100	116	310	92	109	318
3632	33470	88	92	247	95	60	190	94	83	242	100	89	250	90	97	298
3633	33471	85	99	198	95	63	192	91	86	217	94	100	300	88	98	312
3634	33472	86	107	196	103	62	232	98	88	218	110	92	248	96	114	348
3635	33473	96	86	209	106	60	172	103	81	196	108	84	192	100	96	248
3636	33474	90	112	136	95	63	175	90	94	196	100	88	248	93	119	253
3637	33475	92	98	183	99	66	240	99	90	222	100	92	176	96	102	302
3638	33476	98	112	213	104	75	209	102	101	224	102	111	304	96	100	338
3639	33477	98	111	190	99	88	265	102	108	241	106	111	274	99	102	338
3640	33478	89	86	214	92	52	235	93	79	235	92	87	253	90	108	250
3641	33479	85	137	164	86	82	195	88	118	176	94	104	268	88	113	285
3642	ZC	88	100	145	92	72	202	92	96	215	91	100	274	88	95	308
3643	33480	102	86	228	104	63	218	104	85	240	127	80	215	96	100	330
3644	33481	97	84	232	104	62	208	103	81	238	111	104	278	94	94	276
3645	33482	90	101	202	95	68	220	94	91	243	94	112	248	91	108	318
3646	33483	89	104	188	95	79	223	94	97	189	96	120	316	90	112	345
3647	33484	104	112	230	111	83	230	102	107	250	90	92	289	100	114	274
3648	33485	106	85	218	105	71	195	106	89	224	120	116	246	94	102	311
3649	33486	90	112	182	95	86	250	95	105	205	100	98	279	94	94	194
3650	33487	104	102	183	105	77	230	107	98	241	116	104	268	100	110	331
3651	33488	90	114	139	98	82	250	98	106	182	100	92	264	92	102	246
3652	33489	99	102	198	99	70	218	102	93	224	108	98	294	98	93	340
3653	33490	104	97	222	103	74	219	106	92	240	110	113	284	101	101	320
3654	33491	101	105	250	106	90	248	106	107	266	110	108	254	98	103	312
3655	33492				95	77	210	95	77	210						
3656	33493	88	116	183	82	77	226	90	106	219	96	112	287	91	114	272
3657	33494	97	96	214	95	62	225	98	88	247	100	93	240	92	102	298
3658	33495	99	97	228	99	64	222	100	92	228	100	94	286	92	113	348
3659	33496				106	79	218	111	92	205	118	100	296			
3660	33497	102	101	180	93	68	235	98	92	245	98	82	281	90	94	312
3661	33498	89	113	190	91	82	260	94	103	232	99	108	260	94	102	306
3662	33499	96	86	231	103	60	252	101	81	252	110	92	290	97	103	242
3663	33500	88	104	194	86	69	216	89	97	219	94	99	310	87	107	324
3664	LC	101	108	224	94	69	192	97	92	203	94	113	327	93	106	336
Experimental Mean		94	102	196	98	72	222	98	95	219	102	102	277	93	103	298
Standard Error		1.36			0			1.01			0.69			1.44		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IME, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL (6)			ZONE VI - WESTERN					
		Madhya Pradesh			Madhya Pradesh (2)			CENTRAL (6)			Gujarat					
		Jabalpur			Mean			Mean			Navasari			Nawagam		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3601	33440	106	81	258	99	88	261	98	92	237				91	110	286
3602	33441	118	82	155	107	92	228	106	95	220	77	136	173	92	120	287
3603	33442	109	95	226	106	100	213	104	110	216	80	140	172	94	137	288
3604	33443	104	83	205	97	93	274	97	96	253	82	126	188	93	120	286
3605	33444	104	89	230	97	99	264	96	104	234	84	147	189	89	118	286
3606	33445	116	87	213	106	102	282	108	99	276	100	130	198	104	117	296
3607	33446	102	71	223	96	89	265	94	91	252	82	111	199	87	117	288
3608	33447	102	75	188	96	89	244	98	90	236	82	114	182	86	115	282
3609	33448	102	81	200	96	91	262	94	96	258	76	117	206	83	121	284
3610	33449	105	77	243	100	89	245	100	97	229	76	126	166	90	119	273
3611	33450	104	89	246	100	94	276	94	101	265	72	123	200	85	123	280
3612	33451	104	89	216	97	96	249	95	104	246	82	134	204	84	127	276
3613	33452	105	89	205	98	102	243	96	107	257	80	132	180	92	129	282
3614	33453	126	88	250	111	95	290	105	102	252	88	123	181	99	125	280
3615	33454	110	87	236	101	94	266	102	98	251	86	132	206	92	119	284
3616	33455	104	74	288	97	91	293	95	94	260	78	108	187	86	113	284
3617	33456	114	83	280	104	95	298	103	100	273	92	129	198	101	118	292
3618	33457	111	78	276	103	89	249	104	91	248	76	120	167	100	112	288
3619	Gontra Bidhan-3 (NC)	105	76	235	100	91	267	97	93	247	83	117	197	86	113	292
3620	33458	130	87	204	114	101	261	111	100	244	102	132	184	103	120	280
3621	33459	106	74	260	101	84	271	97	86	231	82	124	174	92	110	282
3622	33460	109	82	187	104	93	246	103	96	238	88	129	160	103	113	288
3623	33461	112	94	175	104	98	242	103	101	219	82	123	188	91	122	300
3624	33462	106	91	202	99	96	252	97	100	234	86	138	176	85	124	292
3625	33463	118	77	220	105	85	256	104	88	203	88	123	186	100	115	276
3626	33464	105	103	200	98	103	266	97	110	236	76	137	194	83	133	282
3627	33465	112	84	196	103	88	194	99	92	188	76	113	202	90	108	279
3628	33466	120	62	256	111	76	276	111	79	231	84	108	200	106	91	278
3629	33467	112	80	209	103	93	262	105	95	259	84	133	188	103	108	283
3630	33468	102	84	171	97	100	254	93	98	237	78	119	180	84	114	282
3631	33469	106	90	243	99	100	280	98	103	233	82	137	180	92	121	284
3632	33470	106	66	200	98	81	249	96	83	246	82	116	213	89	97	284
3633	33471	102	72	224	95	85	268	93	88	248	78	123	174	82	109	282
3634	33472	102	71	192	99	92	270	100	90	240	90	119	174	94	98	286
3635	33473	114	67	228	107	82	238	105	82	210	88	134	205	92	90	284
3636	33474	112	73	250	103	96	252	96	94	224				90	114	288
3637	33475	109	76	174	102	89	238	100	90	220	86	118	206	93	107	292
3638	33476	110	89	204	103	95	271	102	101	253	90	130	202	92	126	297
3639	33477	111	94	202	105	98	270	104	105	256	88	140	194	103	124	282
3640	33478	102	63	235	96	86	242	94	82	240	77	110	228	88	101	280
3641	33479	96	103	198	92	108	241	90	112	213	76	154	174	82	145	264
3642	ZC	102	78	206	96	87	258	93	94	239	106	124	208	91	88	280
3643	33480	113	68	243	105	84	286	108	84	252	93	129	166	102	93	271
3644	33481	112	71	214	103	83	246	104	85	247	84	130	194	100	84	269
3645	33482	104	84	290	97	96	304	95	96	264	82	119	194	86	112	289
3646	33483	104	88	288	97	100	316	95	102	253	82	120	198	89	118	288
3647	33484	128	98	211	114	106	242	104	104	254	107	136	184	100	137	279
3648	33485	116	76	268	106	89	290	108	93	249	95	117	174	104	99	280
3649	33486	106	93	206	100	93	200	98	100	216	86	143	206	90	118	288
3650	33487	124	86	224	112	98	278	110	99	258	100	120	200	106	120	289
3651	33488	106	86	154	99	94	200	99	100	201	83	126	210	87	124	282
3652	33489	115	78	174	106	86	257	104	91	246	95	132	212	104	105	286
3653	33490	118	81	257	110	91	289	108	95	263	100	119	225	106	110	286
3654	33491	124	91	200	111	97	256	108	104	260	93	125	177	104	127	280
3655	33492	103	73	224	103	73	224	99	75	217				90	112	287
3656	33493	98	89	202	95	101	236	92	105	236	80	132	173	86	120	276
3657	33494	106	79	225	99	90	262	98	90	251	82	131	194	92	111	292
3658	33495	112	76	221	102	94	284	101	93	256	82	120	180	92	112	280
3659	33496	128	76	203	128	76	203	117	90	227	84	132	170	106	123	276
3660	33497	106	68	252	98	81	282	98	87	263	80	125	220	83	111	270
3661	33498	108	88	230	100	95	268	97	101	249	82	125	184	94	126	281
3662	33499	111	76	246	104	90	244	104	86	255	84	120	194	92	96	275
3663	33500	98	80	193	92	94	259	91	96	248	78	116	196	85	118	288
3664	LC	102	82	226	98	94	281	97	96	250	83	112	190	93	119	280
Experimental Mean		109	81	221	102	92	258	100	95	242	84	125	190	93	114	283
Standard Error		0.96			0.85			0.55			0.65			1.16		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN														
		Gujarat			Gujarat (3)			Maharashtra								
		Vyra			Mean			Vadgao			Radhanagari			Karjat		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3601	33440	85	116	214	88	113	250	98	77	320	100	96	198	88	104	259
3602	33441	100	126	201	89	127	220	104	97	302	106	105	160	106	130	283
3603	33442	90	128	224	88	135	228	90	83	238	92	120	200	94	128	240
3604	33443	83	120	249	86	122	241	90	88	258	91	104	168	90	118	202
3605	33444	86	131	237	86	132	238	90	92	256	96	119	172	97	124	226
3606	33445	102	126	256	102	124	250	96	85	255	100	106	191	100	122	272
3607	33446	82	116	282	84	115	256	92	88	256	90	100	149	90	104	279
3608	33447	80	110	264	82	113	242	90	83	225	90	100	176	88	113	236
3609	33448	82	114	242	80	117	244	94	88	232	91	100	169	86	107	228
3610	33449	86	129	237	84	124	226	94	94	240	98	98	126	92	123	238
3611	33450	86	123	250	81	123	243	92	101	210	94	112	202	92	116	253
3612	33451	86	119	267	84	127	249	94	105	226	97	107	158	88	125	216
3613	33452	84	127	258	85	129	240	94	96	225	94	109	161	90	126	222
3614	33453	99	131	242	95	126	234	96	91	212	96	91	160	99	113	300
3615	33454	92	125	243	90	125	245	98	90	244	98	102	204	95	124	216
3616	33455	80	110	274	82	110	248	86	76	224	90	98	158	90	118	204
3617	33456	92	123	262	95	124	250	90	89	270	100	86	175	91	118	216
3618	33457	91	120	240	89	118	232	100	81	208	100	94	190	104	118	242
3619	Gontra Bidhan-3 (NC)	84	113	266	84	114	252	92	80	166	95	104	114	92	104	276
3620	33458	104	130	254	103	127	239	102	91	236	105	104	186	107	124	272
3621	33459	86	113	238	86	116	232	92	81	255	90	98	178	95	120	259
3622	33460	95	124	270	96	122	239	98	81	195	102	100	133	94	126	262
3623	33461	98	127	255	90	124	248	94	89	210	97	123	172	96	125	273
3624	33462	84	127	246	85	130	238	92	87	196	92	96	135	94	121	248
3625	33463	94	114	207	94	117	223	96	68	247	96	93	196	99	115	286
3626	33464	88	127	280	82	132	252	92	88	195	92	130	158	94	124	210
3627	33465	88	116	261	84	112	247	96	86	255	96	102	173	86	110	235
3628	33466	110	101	258	100	100	245	88	69	240	106	128	168	104	100	271
3629	33467	97	119	246	95	120	239	96	82	225	98	106	163	100	118	214
3630	33468	79	121	238	80	118	234	86	72	215	86	90	192	90	125	255
3631	33469	86	124	272	86	127	245	88	73	210	96	110	196	93	123	284
3632	33470	84	100	322	85	104	273	94	72	255	96	96	174	89	98	256
3633	33471	76	106	246	79	112	234	84	69	260	100	95	121	88	110	248
3634	33472	94	108	248	93	108	236	98	77	222	100	90	179	91	103	304
3635	33473	99	104	254	93	109	247	102	68	225	102	86	174	94	108	262
3636	33474	94	121	228	92	118	258	92	80	165	104	104	184	102	118	266
3637	33475	96	108	262	92	111	254	96	70	195	100	98	136	98	116	250
3638	33476	94	124	260	92	127	253	102	84	210	90	99	158	100	118	310
3639	33477	98	140	255	97	135	244	104	95	195	104	119	194	101	131	272
3640	33478	84	98	255	83	103	254	86	72	225	88	88	206	90	105	196
3641	33479	76	138	266	78	146	234	84	96	249	97	129	142	91	134	229
3642	ZC	104	115	267	101	109	251	104	61	260	114	103	180	107	104	245
3643	33480	96	113	252	97	112	230	105	82	228	104	108	159	101	112	318
3644	33481	96	120	249	94	111	237	104	79	240	104	100	179	100	114	312
3645	33482	82	118	208	84	116	230	94	75	225	92	98	172	87	108	256
3646	33483	84	115	258	85	118	248	94	76	240	92	104	192	88	114	246
3647	33484	117	134	274	108	136	246	108	107	232	112	117	187	117	140	273
3648	33485	100	115	246	100	110	233	102	81	197	100	106	190	102	112	295
3649	33486	86	126	246	87	129	247	96	94	251	98	107	212	94	128	292
3650	33487	103	130	279	103	123	256	108	88	250	106	110	146	106	118	303
3651	33488	86	124	252	85	124	248	102	104	240	92	122	179	100	124	260
3652	33489	96	123	238	98	120	245	100	90	165	101	104	114	98	114	265
3653	33490	105	116	240	104	115	250	104	90	298	106	82	203	104	119	272
3654	33491	98	138	249	98	130	236	106	98	268	100	112	195	99	134	262
3655	33492				90	112	287							89	118	289
3656	33493	82	122	267	83	125	238	98	94	240	92	99	103	90	120	252
3657	33494	88	120	256	88	121	247	102	82	228	98	99	190	96	122	288
3658	33495	91	123	210	88	118	223	92	89	208	102	102	165	91	122	306
3659	33496	104	118	232	98	124	226	100	81	236	104	102	139	101	113	306
3660	33497	82	118	276	82	118	255	94	76	210	90	98	124	92	124	270
3661	33498	84	126	254	87	126	239	98	93	180	93	105	156	90	122	258
3662	33499	96	110	284	90	109	251	100	79	244	103	82	201	92	108	237
3663	33500	76	116	254	80	117	246	90	90	232	88	101	139	89	110	240
3664	LC	88	119	246	88	117	239	94	86	236	96	92	202	95	98	273
Experimental Mean		90	119	251	90	120	243	95	84	231	97	102	169	95	117	259
Standard Error		0.95			0.56			0.5			0.97			1.08		

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Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN			ZONE VI - WESTERN (6)			ZONE VII - SOUTHERN								
		Maharashtra (3)			Mean			Andhra Pradesh			Karnataka					
		Mean			Mean			Maruteru			Mandya			Mugad		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3601	33440	96	92	259	93	101	255	80	99	278	94	91	262	101	92	312
3602	33441	106	111	248	98	119	234	88	134	324	92	106	248	109	88	325
3603	33442	92	110	226	90	123	227	86	142	316	96	113	268	94	100	300
3604	33443	90	103	209	88	112	225	83	125	326	102	98	292	88	78	340
3605	33444	95	112	218	91	122	228	82	123	317	98	113	272	100	100	389
3606	33445	99	104	240	100	114	245	91	120	320	90	98	289	104	88	320
3607	33446	90	98	228	87	106	242	78	111	324	92	101	289	89	82	403
3608	33447	89	99	212	86	106	227	79	114	290	92	96	299	84	85	309
3609	33448	90	98	210	85	108	227	76	122	274	94	93	266	92	83	348
3610	33449	95	105	201	89	115	213	84	117	286	96	105	296	94	92	364
3611	33450	92	110	222	87	116	232	82	122	290	95	121	278	92	98	340
3612	33451	93	112	200	89	120	225	78	130	285	95	117	296	94	97	308
3613	33452	92	110	202	89	120	221	78	126	334	96	116	292	96	98	314
3614	33453	97	98	224	96	112	229	84	126	316	100	102	282	99	84	332
3615	33454	97	105	222	93	115	233	90	122	314	102	98	296	100	90	378
3616	33455	89	97	195	85	104	222	78	108	317	96	86	310	91	77	266
3617	33456	94	98	220	95	111	236	86	104	307	96	93	306	97	74	334
3618	33457	101	98	214	95	108	223	82	114	334	102	90	289	94	82	366
3619	Gonra Bidhan-3 (NC)	93	96	186	89	105	219	78	104	274	100	91	299	96	84	299
3620	33458	105	106	231	104	117	235	99	124	314	96	94	309	102	89	374
3621	33459	93	99	231	89	108	231	83	96	287				92	80	321
3622	33460	98	102	197	97	112	218	88	117	324	96	98	286	100	90	340
3623	33461	96	112	218	93	118	233	83	129	316	99	113	292	99	86	266
3624	33462	92	101	193	89	115	216	76	119	314	97	115	320	95	97	330
3625	33463	97	92	243	95	105	233	91	104	284	96	86	266	94	79	284
3626	33464	93	114	188	88	123	220	81	132	314	100	118	292	94	97	326
3627	33465	93	99	221	88	106	234	84	107	297	102	97	289	94	89	298
3628	33466	100	99	226	100	99	236	99	104	334	98	87	268	98	80	352
3629	33467	98	102	200	97	111	220	90	122	353	100	96	289	100	86	342
3630	33468	88	96	221	84	107	227	78	116	296	92	104	272	94	90	325
3631	33469	92	102	230	89	115	237	82	126	284	94	97	282	87	89	314
3632	33470	93	88	229	89	96	251	82	93	270	92	92	302	94	74	357
3633	33471	91	91	210	85	102	222	76	107	264	91	83	260	91	85	302
3634	33472	97	90	235	95	99	235	94	92	294	102	77	268	100	75	333
3635	33473	99	87	220	96	98	234	83	96	338	102	84	268	108	74	267
3636	33474	99	101	205	96	107	226	84	101	334	91	93	312	93	76	244
3637	33475	98	94	194	95	103	224	80	105	267	99	89	286	102	79	310
3638	33476	98	100	226	95	113	239	86	128	294	102	102	262	104	86	326
3639	33477	103	115	221	100	125	232	88	140	284	100	101	272	104	85	318
3640	33478	88	88	209	86	96	232	81	101	353	90	89	265	95	84	265
3641	33479	90	120	207	84	133	221	74	150	268	90	112	296	110	93	277
3642	ZC	108	89	228	104	99	240	78	110	314	90	95	286	93	88	292
3643	33480	103	101	235	100	106	232	92	98	266	100	91	292	108	90	337
3644	33481	103	98	244	98	105	240	93	96	294	102	84	258	104	90	360
3645	33482	91	94	218	87	105	224	78	111	300	94	90	316	94	89	328
3646	33483	91	98	226	88	108	237	80	122	290	94	103	292	91	169	316
3647	33484	113	121	231	110	129	238	98	143	298	100	105	268	110	101	336
3648	33485	102	99	227	101	105	230	97	114	314	98	92	292	104	88	350
3649	33486	96	110	252	91	119	249	82	137	314	98	108	306	95	101	348
3650	33487	106	105	233	105	114	244	92	137	317	94	90	270	103	91	356
3651	33488	98	117	226	92	120	237	82	128	287	98	111	258	104	92	312
3652	33489	100	102	181	99	111	213	92	113	333	98	101	282	98	94	298
3653	33490	105	97	258	104	106	254	94	122	320	100	95	289	100	86	348
3654	33491	102	115	242	100	122	239	64	142	310	96	104	279	104	89	404
3655	33492	89	118	289	90	115	288							104	102	336
3656	33493	93	105	198	88	115	218	78	117	330	92	111	289	94	94	359
3657	33494	99	101	235	93	111	241	87	112	315	96	94	272	100	81	341
3658	33495	95	104	226	92	111	225	85	93	287	102	96	265	101	79	356
3659	33496	102	99	227	100	111	226	98	125	330	91	90	268	104	92	300
3660	33497	92	99	202	87	109	228	82	92	278	93	94	289	94	82	397
3661	33498	94	106	198	90	116	219	82	126	320	90	117	282	94	99	310
3662	33499	98	90	227	94	99	239	86	89	297	93	82	284	101	86	376
3663	33500	89	100	204	85	108	225	77	111	258	96	110	330	94	86	350
3664	LC	95	92	237	91	104	238	97	125	353	99	108	292	109	100	350
Experimental Mean		96	102	221	93	111	232	84	116	305	96	98	284	97	89	329
Standard Error		0.55			0.39			1.14			0.54			0.82		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka (3)			Kerala						Kerala (2)		
		Brahmavar			Mean			Monocompu			Pattambi			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3601	33440	114	97	376	103	93	317	67	103	192	94	100	462	80	102	327
3602	33441	114	78	420	105	90	331	78	109	178	105	121	297	91	115	238
3603	33442	119	79	438	103	98	336	61	95	264	104	139	412	82	117	338
3604	33443	118	76	420	102	84	350	67	105	158	88	99	363	77	102	261
3605	33444	114	62	426	104	92	362	77	102	218	97	116	346	87	109	282
3606	33445	102	72	420	98	86	343	79	114	251	92	108	346	86	111	299
3607	33446	96	72	403	93	85	365	60	100	182	90	91	231	75	96	206
3608	33447	88	85	424	88	89	344	60	103	258	89	96	462	74	100	360
3609	33448	105	82	459	97	86	358	78	95	158	88	95	280	83	95	220
3610	33449	91	71	434	94	90	364	75	104	258	94	105	330	84	104	294
3611	33450	108	78	437	99	99	352	67	102	244	90	109	363	79	106	304
3612	33451	110	92	420	100	102	342	67	109	278	49	109	330	58	109	304
3613	33452	98	96	447	96	103	351	62	99	231	52	107	363	57	103	297
3614	33453	111	56	418	103	81	344	62	97	258	98	107	330	80	102	294
3615	33454	92	92	426	98	93	366	67	114	198	94	120	396	81	117	297
3616	33455	98	70	420	95	78	332	61	103	264	95	93	346	78	98	306
3617	33456	116	71	433	103	79	358	73	105	158	97	110	429	85	107	294
3618	33457	108	70	434	102	81	363	78	100	302	94	100	561	86	100	432
3619	Gontra Bidhan-3 (NC)	104	86	418	100	87	339	76	96	298	91	88	297	84	92	297
3620	33458	97	74	406	98	86	363	61	115	304	105	106	330	83	111	317
3621	33459	106	86	422	99	83	371	67	84	231	94	93	363	80	89	297
3622	33460	113	76	426	103	88	351	75	106	284	94	95	248	84	100	266
3623	33461	109	85	423	102	94	327	80	110	290	99	108	264	90	109	277
3624	33462	102	59	429	98	90	360	60	95	152	94	100	363	77	98	258
3625	33463	94	82	436	95	82	329	61	96	231	96	100	363	78	98	297
3626	33464	110	74	420	101	96	346	61	113	297	89	91	478	75	102	388
3627	33465	97	76	405	98	87	330	80	104	271	94	104	330	87	104	300
3628	33466	95	80	424	97	82	348	85	95	376	102	97	462	93	96	419
3629	33467	106	80	424	102	87	352	60	100	346	108	121	380	84	110	363
3630	33468	108	95	431	98	96	343	67	100	212	84	101	462	75	100	337
3631	33469	98	76	420	93	87	339	77	103	290	94	112	429	86	107	360
3632	33470	87	74	432	91	80	364	77	89	218	90	86	396	84	87	307
3633	33471	94	64	430	92	78	331	67	92	298	86	85	396	77	88	347
3634	33472	82	81	405	95	78	336	76	88	172	92	88	231	84	88	201
3635	33473	87	78	404	99	79	313	79	90	264	96	84	198	88	87	231
3636	33474	91	48	396	92	72	317	61	102	348	90	99	330	76	100	339
3637	33475	92	78	423	97	82	340	75	100	363	100	96	297	87	98	330
3638	33476	102	80	431	102	89	340	77	97	290	92	107	346	85	102	318
3639	33477	96	82	438	100	89	343	81	111	145	96	113	478	88	112	312
3640	33478	82	86	433	89	86	321	61	84	416	88	79	412	74	81	414
3641	33479	74	68	429	92	91	334	67	116	298	85	128	396	76	122	347
3642	ZC	92	72	420	92	85	332	67	116	316	90	94	495	79	105	406
3643	33480	90	69	406	100	83	345	86	101	364	93	102	429	90	102	396
3644	33481	82	82	422	96	85	347	61	102	290	101	96	330	81	99	310
3645	33482	90	89	424	93	89	356	61	97	174	90	102	346	76	99	260
3646	33483	90	85	433	92	119	347	75	106	185	90	106	314	83	106	249
3647	33484	105	84	415	105	96	340	67	114	297	99	129	462	83	122	380
3648	33485	102	66	406	101	82	350	67	101	218	103	103	330	85	102	274
3649	33486	107	84	419	100	98	358	80	102	244	96	103	346	88	103	296
3650	33487	96	74	424	98	85	350	76	114	297	106	103	280	91	108	289
3651	33488	97	76	431	100	93	334	79	106	258	99	108	297	89	107	277
3652	33489	85	76	420	94	90	333	74	92	284	99	104	280	86	98	282
3653	33490	82	75	430	94	85	356	81	103	152	102	97	330	92	100	241
3654	33491	93	71	437	98	88	374	80	116	218	94	119	264	87	118	241
3655	33492	89	80	416	97	91	376				90	86	396	90	86	396
3656	33493	102	76	408	96	93	352	83	106	324	94	112	478	89	109	401
3657	33494	92	68	430	96	81	348	80	98	270	98	108	363	89	103	317
3658	33495	90	70	405	97	82	342	79	99	244	98	95	330	88	97	287
3659	33496	92	80	428	96	87	332	81	102	231	98	105	280	90	104	256
3660	33497	101	61	404	96	79	363	76	94	198	90	107	330	83	101	264
3661	33498	98	74	421	94	97	338	79	98	352	98	117	314	89	107	333
3662	33499	92	64	433	95	77	364	78	93	132	100	100	297	89	96	214
3663	33500	94	72	459	94	89	380	75	103	152	105	107	314	90	105	233
3664	LC	103	72	442	104	93	361	80	105	192	98	82	280	89	94	236
Experimental Mean		98	76	423	98	88	347	71	101	251	93	102	355	83	102	305
Standard Error		1.66			0.59			0.09			7.91			3.96		

Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Puducherry			Telangana											
		Karaikal			Kunaram			Kampasagar			Rajendranagar			Warangal		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3601	33440	97	99	494	88	114	248	90	75	267	97	100	361	90	110	484
3602	33441	86	87	409	106	123	297	110	101	233	100	101	294	108	125	460
3603	33442	89	111	456	92	132	264	104	105	200	94	104	308	100	145	480
3604	33443	88	96	282	88	122	314	91	82	250	90	99	290	88	118	458
3605	33444	96	111	478	88	123	297	102	101	200	90	104	344	98	131	449
3606	33445	88	81	325	96	113	314	102	104	234	97	103	388	112	133	464
3607	33446	90	63	447	88	109	297	96	81	267	87	95	414	94	120	458
3608	33447	88	99	386	88	112	290	98	78	216	83	96	334	94	118	480
3609	33448	88	91	274	82	114	287	90	81	233	83	99	339	94	122	455
3610	33449	94	82	338	92	119	277	98	84	267	92	102	330	100	133	453
3611	33450	90	85	304	89	122	290	96	86	250	88	101	300	99	128	464
3612	33451	86	100	368	88	124	320	96	87	217	84	102	466	96	138	453
3613	33452	88	101	420	86	124	314	100	100	316	86	103	418	96	132	466
3614	33453	88	87	348	100	120	267	101	94	216	94	100	339	104	128	433
3615	33454	96	107	414	93	120	280	102	86	233	94	100	431	94	130	438
3616	33455	86	94	264	85	110	294	95	79	316	81	96	431	94	104	447
3617	33456	90	98	378	96	124	314	97	89	250	94	100	594	97	119	484
3618	33457	90	95	464	97	115	307	106	95	300	100	98	612	95	116	460
3619	Contra Bidhan-3 (NC)	90	91	366	88	104	266	90	80	234	91	96	515	88	110	460
3620	33458	90	99	392	110	122	284	106	96	350	101	102	436	110	131	480
3621	33459	90	81	408	88	107	290	93	90	234	96	94	510	90	106	466
3622	33460	84	85	402	98	121	280	102	95	216	93	97	405	102	124	438
3623	33461	92	96	314	93	123	278	102	101	284	92	103	396	96	136	444
3624	33462	88	90	319	88	123	304	95	81	250	93	103	418	84	124	444
3625	33463	102	87	336	92	106	350	100	87	266	96	97	414	98	111	453
3626	33464	88	96	262	90	137	314	96	94	234	87	106	458	87	138	440
3627	33465	96	96	445	82	112	320	101	91	184	96	100	409	88	113	455
3628	33466	98	85	452	106	98	297	89	84	200	101	86	418	110	102	464
3629	33467	88	107	386	96	108	274	109	96	250	96	100	316	101	117	447
3630	33468	82	82	406	88	115	320	92	77	200	87	103	396	89	115	471
3631	33469	92	84	466	90	125	334	101	95	250	86	102	360	92	128	475
3632	33470	90	110	462	88	95	314	96	72	200	89	90	396	94	102	453
3633	33471	86	78	484	88	116	280	97	79	216	86	100	378	90	115	486
3634	33472	88	87	330	92	68	280	100	82	200	96	91	370	98	104	462
3635	33473	88	81	288	98	97	284	98	81	216	98	92	414	97	104	462
3636	33474	86	98	280	94	103	287	90	80	266	93	95	515	92	106	435
3637	33475	90	106	310	94	112	316	98	77	316	95	95	422	96	114	436
3638	33476	101	105	474	96	124	294	96	100	267	95	97	352	100	134	449
3639	33477	92	106	446	102	132	254	104	106	200	98	102	488	103	145	450
3640	33478	90	87	335	86	104	310	92	72	266	96	98	431	91	58	453
3641	33479	86	86	415	83	141	376	109	105	234	84	104	330	87	141	466
3642	ZC	84	83	458	84	106	324	106	66	250	86	93	360	90	119	433
3643	33480	84	93	462	96	101	294	101	84	200	100	100	396	103	113	482
3644	33481	90	103	384	102	106	290	106	85	366	98	96	348	100	113	455
3645	33482	86	84	282	92	108	290	96	84	183	92	100	383	91	115	440
3646	33483	86	98	366	88	122	287	92	86	200	87	101	422	92	122	447
3647	33484	99	110	434	114	129	326	106	95	200	101	104	383	114	134	477
3648	33485	98	83	429	98	113	274	106	82	316	101	95	410	102	102	429
3649	33486	88	106	230	90	130	270	96	99	234	84	101	396	96	138	458
3650	33487	92	103	426	104	116	277	109	89	216	101	104	396	107	135	458
3651	33488	88	94	456	84	130	258	103	96	216	94	104	444	94	135	453
3652	33489	90	125	433	98	111	297	100	86	234	97	100	378	101	121	440
3653	33490	94	96	432	106	124	271	104	97	384	98	98	352	103	124	480
3654	33491	92	101	259	104	127	268	100	96	217	98	102	370	103	135	444
3655	33492	90	105	301				94	76	184	101	100	378			
3656	33493	90	90	462	89	124	326	100	89	216	86	102	352	94	134	460
3657	33494	98	95	280	90	115	251	101	92	316	92	100	356	96	121	451
3658	33495	90	82	264	88	111	290	101	86	384	94	98	361	92	114	460
3659	33496	100	88	446	110	116	300	110	85	216	100	101	374	112	118	442
3660	33497	86	100	445	88	112	287	96	80	184	92	102	422	92	121	471
3661	33498	90	110	280	88	127	320	98	88	250	92	104	418	96	133	486
3662	33499	86	88	334	94	108	300	102	76	266	96	96	484	98	110	464
3663	33500	84	105	274	86	115	284	93	80	384	94	102	361	88	114	462
3664	LC	98	100	478	85	109	320	90	77	284	86	100	370	98	130	447
Experimental Mean		90	94	378	92	115	294	99	87	248	92	99	397	96	121	457
Standard Error		0.7			0.42			1.36			0.64			2.29		

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Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – IME, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (13)				Uttar Pradesh (3)			Maharashtra (4)			
		Telangana (4)			Tamil Nadu						Tamil Nadu (2)													
		Mean			Coimbatore			Adutrai			Mean			Mean				Mean			Mean			
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH
3601	33440	91	100	340	98	92	312	96	88	335	96	90	324	93	97	337	96	98	264	97	93	283		
3602	33441	106	112	321	106	109	265	91	90	418	98	99	342	99	105	321	103	105	240	106	109	264		
3603	33442	98	122	313	96	92	288	91	98	326	94	95	307	94	112	332	100	117	245	95	114	232		
3604	33443	89	105	328	95	101	245	94	96	230	95	98	238	91	100	305	98	111	254	92	104	237		
3605	33444	94	115	322	101	87	265	96	92	336	98	90	301	95	105	334	93	104	264	95	113	246		
3606	33445	102	113	350	102	98	270	92	91	348	97	94	309	96	102	330	103	105	288	102	104	263		
3607	33446	91	101	359	90	87	282	96	93	254	94	90	268	88	93	327	97	101	286	91	98	251		
3608	33447	91	101	330	90	88	342	90	94	302	90	91	322	86	97	338	94	103	273	91	99	237		
3609	33448	87	104	329	94	100	272	96	91	286	95	96	279	89	98	302	94	102	250	91	100	243		
3610	33449	96	110	332	98	100	315	96	97	318	97	99	316	93	101	328	97	104	264	96	106	230		
3611	33450	93	109	326	94	98	300	94	92	290	94	95	295	91	103	319	99	106	264	94	107	256		
3612	33451	91	113	364	98	92	310	96	92	304	97	92	307	87	107	335	96	115	281	94	113	236		
3613	33452	92	115	379	96	95	292	93	84	220	94	90	256	87	106	341	98	106	283	94	113	235		
3614	33453	100	111	314	95	92	290	96	89	285	95	90	288	95	99	317	108	100	247	100	103	228		
3615	33454	96	109	346	98	90	268	97	94	296	98	92	282	94	105	336	102	108	274	99	106	228		
3616	33455	89	97	372	90	80	280	91	92	323	90	86	302	88	92	329	97	97	246	91	98	226		
3617	33456	96	108	410	106	86	252	92	92	224	99	89	238	95	97	343	105	96	282	98	103	245		
3618	33457	99	106	420	100	99	302	97	96	282	98	97	292	96	98	386	100	104	269	102	99	235		
3619	Contra Bidhan-3 (NC)	89	97	369	101	88	300	92	96	330	97	92	315	91	93	335	96	99	259	94	96	208		
3620	33458	107	113	387	104	107	318	96	92	332	100	100	325	98	104	356	118	103	248	108	105	243		
3621	33459	92	99	375	92	90	265	94	97	315	93	94	290	90	92	343	97	104	246	93	98	223		
3622	33460	99	109	335	108	86	325	94	94	327	100	90	326	96	99	331	110	103	253	101	102	209		
3623	33461	96	116	350	99	97	305	94	92	304	96	95	305	95	106	321	100	108	255	97	110	229		
3624	33462	90	108	354	92	94	310	96	96	244	94	95	277	89	100	323	95	106	247	93	105	204		
3625	33463	97	100	371	98	90	305	96	92	332	97	91	319	94	94	332	112	99	268	99	92	218		
3626	33464	90	119	361	95	109	305	96	88	358	96	98	331	90	107	346	97	113	252	94	114	197		
3627	33465	92	104	342	98	96	335	95	98	319	96	97	327	93	99	335	100	107	274	95	99	218		
3628	33466	102	92	345	110	86	310	97	88	280	103	87	295	99	90	357	107	99	300	103	97	226		
3629	33467	100	105	322	100	90	302	96	86	292	98	88	297	96	101	338	106	106	270	101	102	228		
3630	33468	89	102	347	92	94	260	91	87	340	92	91	300	88	98	338	90	108	286	89	99	246		
3631	33469	92	113	355	94	92	290	94	48	256	94	70	273	91	98	342	101	106	283	94	105	250		
3632	33470	91	89	341	93	73	300	92	84	290	93	78	295	90	87	338	96	94	288	95	88	234		
3633	33471	90	102	340	90	72	285	92	84	318	91	78	302	87	89	338	95	102	270	92	94	232		
3634	33472	96	86	328	100	94	312	92	86	334	96	90	323	93	86	307	101	99	235	100	91	238		
3635	33473	98	94	344	108	74	275	92	86	350	100	80	312	95	86	310	100	89	250	101	86	213		
3636	33474	92	96	376				94	86	214	94	86	214	88	90	330	104	97	284	99	98	216		
3637	33475	96	99	373	98	82	210	93	91	333	96	87	272	93	94	330	98	96	253	98	94	189		
3638	33476	97	114	340	100	100	302	94	87	206	97	93	254	96	104	330	102	112	268	99	103	246		
3639	33477	102	121	348	104	100	312	95	83	238	100	92	276	97	108	333	99	110	242	104	114	234		
3640	33478	91	83	365	94	84	348	92	87	338	93	86	342	88	86	356	93	94	275	89	88	220		
3641	33479	91	123	351	91	116	338	96	91	279	94	103	308	88	112	338	92	121	261	91	116	222		
3642	ZC	92	96	342	91	80	312	100	95	262	95	87	287	89	94	348	103	107	291	104	92	240		
3643	33480	100	99	343	108	87	292	98	100	312	103	94	302	97	95	349	100	100	286	109	96	230		
3644	33481	102	100	365	104	92	298	100	94	270	102	93	284	96	95	336	101	103	270	105	100	252		
3645	33482	93	102	324	95	82	328	100	91	202	98	87	265	89	96	308	97	95	293	92	98	225		
3646	33483	90	108	339	94	88	298	94	92	287	94	90	292	89	108	318	96	105	266	92	103	249		
3647	33484	109	115	347	110	118	310	94	94	238	102	106	274	101	112	342	116	101	245	107	114	245		
3648	33485	102	98	357	106	95	270	94	98	234	100	97	252	98	95	329	112	104	252	106	104	232		
3649	33486	92	117	339	96	103	285	94	98	342	95	100	314	92	109	323	100	110	267	97	107	258		
3650	33487	105	111	337	108	79	288	96	95	214	102	87	251	99	102	325	118	104	283	109	105	242		
3651	33488	94	116	343	98	99	315	97	92	296	98	95	306	94	106	329	94	110	271	99	110	236		
3652	33489	99	104	337	98	90	390	94	102	270	96	96	330	94	101	334	106	92	253	102	101	210		
3653	33490	103	111	372	107	100	350	92	95	342	100	98	346	97	101	345	112	93	270	106	101	264		
3654	33491	101	115	325	108	113	310	91	96	246	100	104	278	94	109	310	107	106	220	104	113	245		
3655	33492	98	88	281				96	82	270	96	82	270	95	90	326	100	94	250	89	118	289		
3656	33493	92	112	339	98	95	328	94	83	344	96	89	336	92	103	360	98	106	268	94	106	220		
3657	33494	95	107	344	100	92	308	94	81	263	97	86	285	94	97	324	100	105	250	99	99	237		
3658	33495	94	102	374	99	92	260	94	82	326	96	87	293	93	92	326	101	102	248	96	102			

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Table No. 4.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IME, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN						ZONE IV - NORTH EASTERN		
		Jharkhand			Uttar Pradesh			Tripura		
		@Chatha			@Kanpur			@Lembucherra		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3601	33440	98	90	285	60	85	313	103	88	225
3602	33441	106	104	274	59	88	337	106	104	262
3603	33442	106	116	237				102	82	250
3604	33443	100	108	289	59	72	313	104	88	238
3605	33444	103	110	264	55	78	212	104	102	188
3606	33445	112	108	418	60	65	173	106	85	262
3607	33446	100	103	246	48	65	248	112	98	188
3608	33447	101	104	266	52	65	116	104	105	238
3609	33448	94	100	238	47	95	245	108	103	138
3610	33449	100	108	249	57	70	209	110	104	188
3611	33450	98	115	256				103	85	212
3612	33451	97	118	257	56	75	224	109	90	188
3613	33452	100	118	286	60	70	277	109	84	212
3614	33453	112	108	247	56	82	294	108	81	275
3615	33454	104	116	242	57	90	197	106	116	212
3616	33455	100	94	276	49	68	374	106	100	262
3617	33456	111	93	327	58	70	194	106	78	188
3618	33457	114	91	357	53	65	325	108	112	212
3619	Gontra Bidhan-3 (NC)	96	89	241	54	55	202	106	108	200
3620	33458	134	84	366	46	90	284	106	90	238
3621	33459	98	92	352	51	68	189	102	92	188
3622	33460	114	96	245	54	60	257	117	104	212
3623	33461	106	108	199	59	93	337	103	105	212
3624	33462	99	107	218	59	75	309	106	98	225
3625	33463	103	101	238	54	65	337	118	84	238
3626	33464	98	116	296	51	58	219	108	108	175
3627	33465	100	100	270	60	75	255	108	110	275
3628	33466	118	87	257	49	62	150	104	112	262
3629	33467	115	96	292	60	88	300	108	95	200
3630	33468	96	92	249	51	92	164	110	97	225
3631	33469	106	104	310	58	98	190	108	108	225
3632	33470	96	88	301	55	58	198	104	114	238
3633	33471	94	92	260	47	60	335	102	112	300
3634	33472	98	96	318	59	70	350	102	98	212
3635	33473	104	94	296	59	78	375	106	105	212
3636	33474	106	97	337	57	92	336	108	89	188
3637	33475	106	106	241	56	80	207	104	92	262
3638	33476	108	115	335	62	90	221	103	104	138
3639	33477	106	116	266	49	82	338	103	102	212
3640	33478	94	85	303	61	68	213	106	93	212
3641	33479	91	126	334	47	110	297	103	97	262
3642	ZC	106	90	259	57	62	294	106	104	262
3643	33480	106	86	257	59	70	373	106	108	188
3644	33481	104	95	304	56	78	204	104	112	262
3645	33482	102	94	292	59	62	311	107	82	238
3646	33483	98	106	315	59	82	290	106	91	200
3647	33484				66	88	227	104	95	188
3648	33485	106	94	244	62	52	247	104	104	275
3649	33486	106	112	327	55	88	183	104	93	288
3650	33487	117	103	331	56	72	263	106	105	312
3651	33488	98	112	274	57	92	242	106	112	238
3652	33489	116	92	264	58	72	214	104	86	225
3653	33490							108	81	212
3654	33491	114	95	351	61	75	282	106	84	175
3655	33492				66	45	197	106	94	188
3656	33493	97	114	386	54	82	344	107	97	188
3657	33494	100	105	291	58	100	312	103	102	212
3658	33495	94	104	343	56	65	284	105	96	212
3659	33496				57	68	321	106	97	138
3660	33497	96	91	339	58	72	301	104	98	200
3661	33498	93	110	324	62	50	236	102	87	212
3662	33499	103	88	322	46	68	315	106	114	238
3663	33500	96	94	298	51	75	187	106	108	188
3664	LC	104	114	375	56	75	200	106	104	212
Experimental Mean		103	101	290	55	74	261	105	98	220

ADVANCED VARIETY TRIAL 2 & 1 - IRRIGATED MEDIUM (IM) (AVT 2 & 1 - IM)

Locations: 47

Test Entries: 43+4

Checks: **Checks: NDR-359 (NC); PR 121 (Northern), CR Dhan 300(Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern)(ZC), HRI 174(HC) and Local check** **Table: 5**

Advanced Variety Trial 2 & 1 - Irrigated Medium (IM) was constituted with 43 test entries and 4 checks namely NDR-359 as National check; PR 121 (Northern), CR Dhan 300 (Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern) as Zonal checks, HRI 174 as Hybrid check and local check. The trial was sent to 47 locations and data was not received from one location, Kathalgere. Data from three centres were excluded from analysis viz., Mugad and Pattambi due to non-significant F Value and Ponnampet due to low CV of 1.28%. Among the centres from which data is included in analysis, location-wise mean grain yield ranged from 3817 kg/ha (Gerua) to 7655 kg/ha (Ambikapur), while, CV ranged from 3.67% (Ragolu) to 18.46% (Gerua). Data from Kurumbapet is not included as trial failed and data of several entries were missing as per Monitoring Report. The range of various parameters across the zones is presented in the following table.

Zones	II NORTHERN	III EASTERN	IV NORTH EASTERN	V CENTRAL	VI WESTERN	VII SOUTHERN
Range : Zonal mean (Kg/ha)	4031 (IET 32510)- 5873 (HC)	3980 (IET 31640)- 6307 (IET 33071(H))	3474 (IET32510) - 5480 (IET 31480)	4876 (ZC) – 6690 (IET 33063 (H))	3801 (IET 31700) – 5905 (IET 32530)	5219 (IET 31481) - 6672 (IET 32530)
Exp Mean (Kg/ha)	3835 (LDN)- 6371 (KUL)	5012 (BKG)- 6801 (CTK)	3817 (GER) - 5297 (TTB)	4463 (JDP) - 7655 (ABP)	3972 (NVS) - 5357 (KJT)	4454 (BRM) - 7479 (RGL)
CV%	6.42 (NGN) – 12.43 (CHT)	8.03 (MSD) - 17.32 (CTK)	5.32 (TTB)- 18.46(GER)	5.81 (WRS) – 17.15 (JDP)	5.63 (NWG) 13.05 (KJT)	3.67 (RGL) – 13.57 (KRK)
DDF	90(IET 32501) - 110 (IET 32537)	97 (HC) – 113 (IET 31640)	96 (NC) - 110 (IET 29860, IET 32537, IET 32544, IET 32547)	99 (NC and HC) - 113 (IET 31641, IET 31643, IET 32537)	93 (IET 31700, IET 31478) - 104 (IET 32547)	96 (NC) – 111 (IET 32537)
PH (cm)	80 (ZC)- 122 (IET 32510)	161 (IET 32547)- 189 (IET 31638)	109 (NC) – 140 (IET 29860)	96 (ZC) - 132 (IET 31659)	112 (IET 32523) - 140 (IET 32510)	93 (IET 31481) - 118 (IET 31633, IET 32510)
Pan/m ²	264 (IET 32501)- 310 (IET 33075)	237 (IET 32525) – 296 (IET 33071(H))	309 (IET 32510) – 421 (IET 31638)	204 (IET 32537) - 262 (IET 31641)	201 (IET 31700) – 251 (LC)	349 (IET 31643) - 377 (LC)
DNI (Data not included)	-	-	-	-	-	MGD, PNP, PTB, KBP
Locations considered	6	11	4	7	4	10

@DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

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In AVT 2, among Fifteen entries tested (11 varietal entries and 4 hybrid entries), 8 varietal (IET 29860, IET 29877, IET 31618, IET 31633, IET 31638, IET 31641, IET 31643 and IET 31659) and one hybrid (IET 31480) entries were recorded required significant yield superiority over the BVC and HC in different zones, respectively (Table ...) and their three years performance is presented in the **table**.

In AVT 1, 25 entries were tested (7 hybrid entries and 16 varietal entries). Among these three varietal (IET 32510, IET 32526 and, IET 32530) and four hybrid (IET 33052 (H), IET 33055 (H), IET 33063 (H), and IET 33071 (H) entries recorded required significant yield superiority over the best checks.

Performance of the entries with required significant yield superiority over checks in AVT 2 &1 IM during kharif 2025

	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality AVT2 (GT/HRR/AC/GC/ASV)	Promising in Zones	
		II	III	IV	V	VI	VII			
	AVT2									
1	IET 29860* IR 73963-86-1- 5-2-2/ CR 2324-1	--	--	--	5802 (10)*#	--	--	SB, 58.1 , 25.76, 35, 4.0,	V	
2	IET 29877* CR 3511-32/ CR 3561-31	--	--	4904 (4)*	5815 (9)*#		--	SB, 70.7, 27.92, 54, 4.0	IV, V	
3	IET 31480* HRI-218 (Hybrid)	--	6280 (2) *#	5480 (1)*#	6518 (2)*#	5547 (2)*#	--	SB, 54.1, 28.30, 37, 7.0 HRR AVT1- 64.1	III, IV, V, VI	
4	IET 31618* IR 68703-AC- 24-1/ Swarna- SUB 1*2	--	--	5094 (3)*	5677 *#	--	--	SB, 54.6, 25.93, 22, 4.0 HRR AVT1- 63.6	IV,V	
5	IET 31633* CR 3511-3-2-2- 5-1-1-2/ CR 3516-3-2-1-1-1- 1	--	6036 (5)*#	--	--	--	--	SB, 62.1, 23.05, 22, 4.0 HRR AVT1- 64.2	III	
6	IET 31638* IR04A427/BR 29 (AGGRi Alliance)	--	6275 (3)*#	5455 (2)*#	6149 (5)*#	--	6533 (2)*#	LS, 53.2, 24.20, 67, 4.0 HRR AVT1- 70.6	III, IV, V, VII Low HRR	
7	IET 31641* IR 72/OR 1920- 3	--	--	--	6464 (3)*#	--	--	MS, 60.0, 26.81, 53, 4.0 HRR AVT1- 60.2	V	
8	IET 31643* BRR2128/ Rajendra Sweta/Sita	--	6127 (4)*#	--		--	--	SB, 55.3, 27.04, 45, 4.0 HRR AVT1- 68.2	III	
9	IET 31659* Karma Mahsuri/ Bamaleshmari	--	--	--	6354 (4)*#	--	--	MS, 69.0, 24.17, 22, 7.0 HRR AVT1- 57	V	

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AVT1									
1	IET 32510 ORS-MBB 10/ Lalat Mutant	--	--	--	5872 (8)*#	--		SB, 51.2, 27.04, 58, 4.0	Low HRR Not promoted
2	IET 32526 MTU 1429/ MTU1075/NLR 34449	--	5947 (7)*	--	--	--	--	LS, 60.5, 27.42, 56, 4.0	III
3	IET 32530 NPGK 10/NPGK 03//NPGK MG	5788 (2)*	5976 (6)*	--	6134 (7)*#	5905 (1)*#	6672 (1)*#	MS, 55.3, 24.81, 45, 4.0	II, III,V,VI.VII
4	IET 33052 (H) SHX-2783 (Hybrid)	--	--	--	5607 #	5219 (3)*#	--	LB, 67.5, 27.01, 43, 5.0	V, VI
5	IET 33055 (H) VNR-239 (Hybrid)	--	--	--	6142 (6)*#	--	--	LS, 66.2, 27.92, 58, 5.0	V
6	IET 33063 (H) BAYR-4407 (Hybrid)	--	--	--	6690 (1)*#	--	--	SB, 49.8,28.74, 22,4.0	Low HRR, high AC and low GC Not promoted
7	IET 33071 (H) NK-7012 (Hybrid)	--	6307 (1)*#	--	--	--	--	SB, 69.7, 23.43, 41, 4.0	III
	HRI 174 (HC)	5873	5734	4683	5101	4133	5977		
	NDR 359 (NC)	5305	5078	4336	5302	4775	5739		
	CR Dhan 300 (ZC)	4326	5279	4270	4876	4015	5584		
	Local Check	5209	5620	4063	5165	4745	6084		
	CD	287	279	536	363	422	326		
	HC+CD	6160	6013	5219	5464	4555	6303		
	BVC+CD	5592	5899	4872	5665	5197	6410		

* Superior in performance over best varietal check

Superior performance over hybrid check

Three-year performance of the entries: Fifteen entries including 11 varietal and 4 hybrid entries, completed three years of testing and among that nine entries showed required yield advantage over the checks in the final year. Yield performance along with ranks across three years and superiority over HC and BVC in various zones for these entries is given in the following table.

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Three-year yield performance of entries during Kharif 2022, 2023, 2024 & 2025 Zone III, IV, V, VI & VII

Entry	Year	II	III	IV	V	VI	VII	Remarks
IET 29860* IR 73963-86-1-5-2-2/ CR 2324-1	2022 (AVT1-IM)	--	6805*	--	5020 (8)	--	6433 (5)*	Promising for Zones III, V
	2024	6366 (4)	6494 (9)*	5828 (4)*#	5247 (10)*	--	5425	
	2025	--	--	--	5802 (10)*#	--	--	
IET 29877* CR 3511-32 / CR 3561-31	2022 (AVT1-IM)	--	7297 (6)*	--	--	--	6426 (6)*	Promising for Zones III, IV, V, VI
	2024	--	6611 (7)*	5146*	5429 (4)*	5806 (2)*#	5496	
	2025	--	--	4904 (4)*	5815 (9)*#	4923 (5)#	--	
IET 31478 (H) Gajab/Hybrid	2023 (IHRT-M)	--	--	6543 (3)	6038 (10)	6032 (6)*#	--	Promising for Zone VI
	2024	--	--	--	--	5581 (3)*#	--	
	2025	--	--	--	--	--	--	
IET 31479 (H) RRX 3413/Hybrid	2023 (IHRT-M)	--	7048 (3) *#	--	6987 (3) *#	6184 (3) *#	7334 (8)	--
	2024	--	--	5721 (6)*#	--	--	--	
	2025	--	--	4588 (8)	--	--	--	
IET 31480 HRI-218 /Hybrid	2023 (IHRT-M)	--	7300 (1)*#	5753 (9)	7590 (1)*#	5981 (8)*#	7731 (1)*#	Promising for Zones III, IV, V, VI,VII
	2024	6388 (3)	7354 (4)*#	6998 (1)*#	6004 (1)*#	6058 (1)*#	6501 (1)*#	
	2025	--	6280 (2)*#	5480 (1)*#	6518 (2)*#	5547 (2)*#	6140 (5)	
IET 31481 (H) Dhadak Gold/Hybrid	2023	6970 (5)*#	6461 (9)	--	7220 (2) *#	6069 (4) *#	--	--
	2024	5404 (10)	--	--	5370 (5)*	5121 (10)	5778 (9)*#	
	2025	--	--	--	--	--	5219	
IET 31618* IR 68703-AC-24-1 / Swarna-SUB 1*2	2023	--	5732 (2)*	--	--	--	6779 (1)*	Promising for Zones III, IV, VII
	2024	--	6157*	5623 (7)*	5286 (8)*	--	6019 (6)*#	
	2025	--	--	5094 (3)*	5677 *#	--	--	
IET 31633* CR 3511-3-2-2-5-1-1-2 / CR 3516-3-2-1-1-1-1	2023	6961 (3)*	5654 (4)*	6249 (1)	--	--	--	Promising for Zone III
	2024	--	6237*	5420 (9)*	--	5369 (4)	5986 (7)*#	
	2025	--	6036 (5)*#	4711 (5)	--	--	5976 (9)	

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IET 31637 BRR0252/Rajendra Mahsuri/IRBB58	2023	7473 (1)*	5322*	--	--	6354 (6)	--	Promising for Zone III
	2024	--	6504 (8)*	--	--	--	--	
	2025	--	--	--	--	--	--	
IET 31638* IR04A427 /BR 29 (AGGRi Alliance)	2023	--	5570 (6)*	5960 (7)	6013 (2)*	--	6688 (2)*	Promising for Zones III, IV, V, VII
	2024	5610 (8)	6149*	5958 (2)*#	5694 (2)*	--	6154 (3)*#	
	2025	--	6275 (3)*#	5455 (2)*#	6149 (5)*#	--	6533 (2)*#	
IET 31639 WGL1752/BPT 5204/RNR 15048	2023	--	5443*	--	5485 (7)	--	6183 (9)	Promising for Zone III
	2024	--	6445*	--	--	--	--	
	2025	--	--	--	--	--	--	
IET 31640 AD 19538/CO 50/AD 09494	2023	--	5512 (7)*	6130 (2)	5505 (6)	--	--	Promising for Zone III
	2024	--	6407*	--	--	--	--	
	2025	--	3980	--	--	--	--	
IET 31641* IR 72 /OR 1920-3	2023	--	5938 (1)*	--	--	--	6504 (3)	Promising for Zone III, V
	2024	--	6336*	5766 (5)*#	5365 (6)*	5166 (8)	5756 (10)*#	
	2025	--	--	--	6464 (3)*#	--	5298	
IET 31643* BRR2128 /Rajendra Sweta/Sita	2023	--	5587 (5)*	--	6646 (1)*	--	--	Promising for Zones III, V
	2024	--	6818 (5)*#	5912 (3)*#	5162*	--	6067 (4)*#	
	2025	--	6127 (4)*#	--	5570 #	--	--	
IET 31659* Karma Mahsuri / Bamaleshmari	2023	7420 (2)*	5491 (8)*	--	5836 (3)	6206 (8)	--	Promising for Zone V
	2024	--	--	--	5324 (7)*	--	--	
	2025	--	--	--	6354 (4)*#	--	--	

SUMMARY

ADVANCED VARIETY TRIAL- Irrigated Medium (AVT – IM) - Kharif 2025

Locations: 47

Test entries: 47 (43+4)

Checks: National check– NDR 359; Zonal checks-PR 121 (Northern), CR Dhan 300(Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern), Hybrid check- HRI 174 and Local check

List of entries performed superior in AVT 2 - IM based on yield

Zone II: None

Zone III: IET 31480, IET 31633, IET 31638, IET 31643

Zone IV: IET 29877, IET 31480, IET 31618, IET 31638

Zone V: IET 29860, IET 29877, IET 31480, IET 31618, IET 31638, IET 31641, IET 31659

Zone VI: IET 31480

Zone VII: IET 31638

List of entries promoted from AVT 1 - IM to AVT 2 - IM

Zone II: IET 32530

Zone III: IET 32526, IET 32530, IET 33071

Zone IV: None of the entries are promoted

Zone V: IET 32530, IET 33052, IET 33055

Zone VI: IET 32530, IET 33052

Zone VII: IET 32530

Table No. 5.1: Composition of entries in Advance Variety Trial 2 & 1 – Irrigated Medium (AVT 2 & 1 – IM), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zone	Grain type
3701	29860*	CR 3856-44-22-2-1-11-4-1-1	IR 73963-86-1-5-2-2 / CR 2324-1	III,IV,V	SB
3702	29877*	CR 4313-1-1-2-1-1-1	CR 3511-32 / CR 3561-31	III,IV,V,VI	SB
3703	31478 (H)*	Gazab	Hybrid	VI	LS
3704	31479 (H)*	RRX 3413	Hybrid	IV	LS
3705	31480 (H)*	HRI-218	Hybrid	III,IV,V,VI,VII	SB
3706	31481 (H)*	Dhadak Gold	Hybrid	VII	LB
3707	31618*	OROI-5-IR 86256-6-2-2-2	IR 68703-AC-24-1/ Swarba-Sub 1*2	III,IV,V,VII	SB
3708	31633*	CR 4409-1-1-1-1-1-1	CR 3511-3-2-2-5-1-1-2 / CR3561-3-2-1-1-1-1	III,IV,VII	SB
3709	NDR 359 (National Check)				
3710	31637*	BRR0252	Rajendra Mahsuri/IRBB58	III	SB
3711	31638*	HURS 23-9-IR 11A282	IR04A427/BR 29(AGGRi Alliance)	III,IV,V,VII	LS
3712	31639*	WGL1752	BPT 5204/RNR 15048	III	LS
3713	31640*	AD 19538	CO 50/AD 09494	III	MS
3714	31641*	OR 2658-1	IR 72/OR 1920-3	III,V,VII	MS
3715	31643*	BRR2128	Rajendra Sweta/Sita	III,V,VII	SB
3716	31659*	R 2299-3671-1-254-1	Karma Mahsuri/Bamaleshwari	V	MS
3717	31700	PAN 2440 (IET 31700)	25A / AN-5191	VI	LS
3718	PR 121 (Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshayadhan (Western), Jaya (Southern) - (ZC)				
3719	32492	RGL 7041 (RGL 2034-55-2-1)	MTU 1210/MTU1224/RP Bio 226	III	SB
3720	32501	ORJ 1337	RP Bio226/IRGC 48960/MTU 1081	II	LB
3721	32503	BRR-2074	IR 11 A 257-Sel.	III	MS
3722	32505	RP 6831-1224-7-5-1-B	MTU 1121/RNR 15048	VII	LB
3723	32507	CR4379-12-1-1-1-1	CR Dhan307/ MTU 1010	III	SB
3724	32509	JGL 44230	JGL 21002/HHZ 1-DT4-LI1-LI1	II	SB
3725	32510	ORS-MBB 10	Lalat Mutant	II,III,IV,V,VI,VII	SB
3726	32513	RDN 20-08	Phule Radhe/KJT-2	V	LB
3727	32515	UPR 4696-1-1-1-1	UPRI2011-22/VL Dhan 61	III	LS
3728	32518	CR6326-5-3-1-2-1	CR 3504-24-2-1-1-1-1/CR 3541-1-2-5-4-1	III,VI	SB
3729	32523	BRR 0290-IR 19A7980	IR 122310:7-2-2/IR09M120	VI	LS
3730	32525	CR 4205-229-15-1	CR Dhan 307/O. longistaminata (AC-110404)/CR Dhan 307	III	SB
3731	32526	MTU 1429 (MTU 2861-1-1-1-1)	MTU 1075/NLR 34449	III	LS
3732	32530	NP 7309	NPGK 10/NPGK 03//NPGK MG	II,III,IV,V,VI,VII	MS
3733	32537	MTU 1430 (MTU 2837-56-1-1-1)	MTU 1075/Chittimuthyalu/MTU 1075	II,III,IV,V,VI,VII	MS

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3734	32544	CR 4209-228-3	CR Dhan 307/O. Rufipogan (AC-100005)//CR Dhan 307	II,III,IV, V,VI,VII	SB
3735	32547	k21-B-360	RPBIO-226/MTU-1081	II,III,IV, V,VI,VII	SS
3736	HRI 174 (Hybrid Check)				
3737	33052 (H)	SHX-2783	Hybrid	V,VI	LB
3738	33055 (H)	VNR-239	Hybrid	V	LS
3739	33063 (H)	BAYR-4407	Hybrid	V	SB
3740	33071 (H)	NK-7012	Hybrid	III	SB
3741	33075 (H)	PHI-24109	Hybrid	II	LB
3742	33078 (H)	CRHR-192	Hybrid	III	LS
3743	33079 (H)	PHI-24111	Hybrid	III	LB
3744	Local Check				

***3rd year testing entries**

Table No. 5.2: Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN											ZONE II - NORTHERN (6)	
		Haryana		Jammu & Kashmir		Punjab		Uttarakhand		Uttar Pradesh		Uttar Pradesh (2)		Mean
		Kaul		Chata		Ludhiana		Pantnagar		Nagina	Kanpur	Mean		
3709	NDR 359 (NC)	7031	3	4822	4	4290	6	6684	2	4915	1	4087	9	5305
3718	ZC	5033	10	2911		3111	8	6223	4	4089	3	4591	9	4326
3720		6451	7	4844	3#	3265	7	5932	6	3661	7	4578	10	4789
3724		6456	6	4578	6#	4377	5	5420	8	3873	5	6688	2	5232
3725		4702				2661	10	4255	9	4034	4	4504		4031
3732		6629	5	4889	2#	4602	4	5944	5		8	6876	1*	5788
3733		4747		3756	8			2240			8	6293	5	4259
3734		6378	8	4900	1#	2077		3606			8	4833	8	4359
3735		6111	9	4822	4#	2784	9	4206	10			5630	7	4711
3736	HRI 174 (HC)	8091	1	3289	10	5040	2	6401	3			6544	4	5873
3741	33075 (H)	7929	2*	3400	9	5269	1*	6893	1	4239	2	6657	3	5731
3744	LC	6893	4	3978	7	4710	3	5789	7	3778	6	6107	6	5209
Experimental Mean		6371		4199		3835		5299		4084		5616		4968
CD(0.05)														
CV(%)														
F val														
DOS		03-06-2025		09-06-2025		29-05-2025		06-06-2025		27-06-2025		29-06-2025		
DOP		07-07-2025		08-07-2025		30-06-2025		01-07-2025		23-07-2025		05-08-2025		
Local Check Name		HKR-128		SJR-5		PR 131		Part Dhan- 4		PR-121		PB-1		

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Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									
		Bihar				Bihar (2)		Jharkhand		Odisha	
		Bikramganj (Dhangain)		Sabour		Mean		Ranchi		NRRI	
3701	29860*	3253		5827	#	4540		4422		8666	4
3702	29877*	3053		5300		4177		5222		4207	
3705	31480 (H)*	5320		7012	1*#	6166	8	6111	6	6819	
3707	31618*	3344		5700	#	4522		5178		8060	9
3708	31633*	3574		5855	10#	4714		5356		9808	1*#
3709	NDR 359 (NC)	7009	8	5121		6065	9	4778		4281	
3710	31637*	2074		6685	2*#	4379		6578	1*	6292	
3711	31638*	8055	4	5461		6758	3	5844	8	6601	
3712	31639*	4539		5385		4962		4911		5484	
3713	31640*	1794		3630		2712		3856		3215	
3714	31641*	3424		5770	#	4597		5067		8614	5
3715	31643*	8345	2	5942	6#	7144	1#	5800	10	6943	
3718	ZC	4687		5582		5134		5311		7542	
3719	32492	4141		6076	4#	5108		4156		5431	
3721	32503	8741	1*	4794		6767	2	5244		6691	
3723	32507	3847		5215		4531		5200		5941	
3725	32510	3837		4882		4359		5333		6564	
3727	32515	4344		4264		4304		5422		4972	
3728	32518	3497		5530		4514		5311		9107	3
3730	32525	4393		5882	9#	5137		5556		3704	
3731	32526	7275	6	5885	8#	6580	5	6289	3*	8271	7
3732	32530	5857	10	5297		5577	10	6356	2*	7756	10
3733	32537	3767		5739	#	4753		5422		8222	8
3734	32544	3910		4521		4216		5978	7	6520	
3735	32547	6079	9	4633		5356		5800		7397	
3736	HRI 174 (HC)	8222	3	4815		6519	6	5844	8	7197	
3740	33071 (H)	7016	7	5991	5#	6503	7	6200	4*	9332	2#
3742	33078 (H)	3777		6218	3#	4998		5244		8322	6
3743	33079 (H)	5225		5927	7#	5576		6156	5*	6934	
3744	LC	7971	5	5515		6743	4	4200		5144	
Experimental Mean		5012		5482		5247		5405		6801	
CD(0.05)		715		793		593		814		1925	
CV(%)		8.73		8.85		6.92		9.21		17.32	
F val		61**		6.27**		24.67**		5.48**		6.26**	
DOS		20-06-2025		14-06-2025				27-06-2025		22-07-2025	
DOP		19-07-2025		13-07-2025				15-07-2025		13-08-2025	
Local Check Name		Sabour Mahsuri BRR2141		Sabour Shree				Lalat		Tanaswini	

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN							
		Odisha				Odisha (4)		Uttar Pradesh	
		Bhubaneswar		Chiplima		Jeypore		Masodha	
3701	29860*	3889		5745		6456	6*#	6189	10
3702	29877*	5400	9	5482		6661	5*#	5437	
3705	31480 (H)*	7056	1*#	5879		8371	1*#	7031	2*#
3707	31618*	5600	8#	5426		5293		6095	
3708	31633*	4633		5213		6031	10*#	6421	5#
3709	NDR 359 (NC)	4789		4738		5125		4733	
3710	31637*	5000		4596		6111	9*#	5500	
3711	31638*	6444	2*#	5993	10	5966	#	6251	9#
3712	31639*	4856		6113	9	6448	7*#	5725	
3713	31640*	3611		4950		4033		3952	
3714	31641*	4944		5645		6267	8*#	6368	6#
3715	31643*	5222		5404		5255		5706	
3718	ZC			5199		5016		5919	
3719	32492	6167	4#	6191	7	4997		5697	
3721	32503	5278		5376		3643		5247	
3723	32507	4478		7064	2#	2604		5022	
3725	32510	4944		6376	6	2668		5138	
3727	32515	4389		5028		2725		4279	
3728	32518	5944	5#	4440		5572		6266	7#
3730	32525	4033		5404		3393		4134	
3731	32526	5167		6624	3	3459		5880	
3732	32530	4333		7929	1*#	5018		6259	8#
3733	32537	5611	7#	5433		5391		6164	
3734	32544	4167		5574		5008		5317	
3735	32547	4500		4518		3674		5022	
3736	HRI 174 (HC)	4756		5986		4866		5701	
3740	33071 (H)	5667	6#	6128	8	7928	2*#	7264	1*#
3742	33078 (H)	4978		6596	5	7574	4*#	6867	3*#
3743	33079 (H)	6200	3#	4943		7795	3*#	6468	4*#
3744	LC	5400	9	6617	4	4615		5444	
Experimental Mean		5085		5687		5265		5717	
CD(0.05)		834		820		865		534	
CV(%)		10.03		8.82		10.06		5.72	
F val		7.36**		7.51**		26.1**		18.37**	
DOS		07-11-2025		16-07-2025		20-06-2025			
DOP		08-09-2025		14-08-2025		21-07-2025			
Local Check Name		Gobinda		Pratikshya		Kalinga Dhan 1203			

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN								ZONE III - EASTERN (11)	
		West Bengal				West Bengal (3)				Mean	
		Malda		Bankura		chinsurah		Mean		Mean	
3701	29860*	4711		6906	4#	5359		5659	#	5577	
3702	29877*	5497		5917	7#	5182		5532		5204	
3705	31480 (H)*	6258	7	3883		6638	10*#	5593	#	6280	2*#
3707	31618*	5081		7094	2#	7148	5*#	6441	3*#	5694	
3708	31633*	5706		7000	3#	6749	9*#	6485	2*#	6036	5*#
3709	NDR 359 (NC)	5692		4500		4226		4806		5078	
3710	31637*	7383	2*#	4872		6388	*#	6215	4#	5522	
3711	31638*	5842		5361	9	7246	3*#	6150	6#	6275	3*#
3712	31639*	5992		5061		6306	*#	5786	9#	5470	
3713	31640*	3058		5089		4786		4311		3980	
3714	31641*	5214		4328		7181	4*#	5574	#	5724	
3715	31643*	6375	6	4717		6926	8*#	6006	7#	6127	4*#
3718	ZC	3767				4846		4307		5279	
3719	32492	6178	8	5089		7262	2*#	6176	5#	5593	
3721	32503	5806		5056		4765		5209		5626	
3723	32507	5625		4644		6085	*#	5452		5172	
3725	32510	4561		4006		7488	1*#	5351		5020	
3727	32515	5461		5200	10	5530		5397		4897	
3728	32518	4672		4178		6996	7*#	5282		5552	
3730	32525	5967		4650		6579	*#	5732	10#	4985	
3731	32526	6172	9	4272		5850	*	5431		5947	7*
3732	32530	7608	1*#	5094		4881		5861	8#	5976	6*
3733	32537	6547	4#	4383		4970		5300		5471	
3734	32544	6536	5#	5944	6#	7123	6*#	6534	1*#	5541	
3735	32547	5975		4856		5644		5492		5387	
3736	HRI 174 (HC)	5397		4639		4983		5006		5734	10
3740	33071 (H)	4439		7239	1*#	4267		5315		6307	1*#
3742	33078 (H)	5128		5633	8#	6353	*#	5705	#	5914	8*
3743	33079 (H)	6647	3#	3689		5429		5255		5880	9
3744	LC	6111	10	6239	5	4752		5700		5620	
Experimental Mean		5647		5157		5931		5569		5562	
CD(0.05)		1074		924		898		538		279	
CV(%)		11.64		10.96		9.26		5.91		3.07	
F val		6.5**		9.04**		10.24**		8.31**		24.64**	
DOS		26-06-2025		23-06-2025		23-06-2025					
DOP		26-07-2025		7/8/2025		08-08-2025					
Local Check Name		Bhupesh		Lalat		Koushalya					

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN												ZONE IV - NORTH EASTERN (4)	
		Assam				Assam (2)		Tripura				Tripura (2)		EASTERN (4)	
		Gerua		Titabar		Mean		Arundhutinagar		Lembucherra		Mean		Mean	
3701	29860*	3468		5471	8	4470	9	4325		2815		3570		4020	
3702	29877*	4172	6#	5492	7	4832	7	4668	10	5285	4*	4977	5	4904	4*
3704	31479 (H)*	3216		5370		4293		5256	7	4507	7	4882	6	4588	8
3705	31480 (H)*	4403	3#	5956	2*	5180	2#	5871	3	5689	1*#	5780	2*	5480	1*#
3707	31618*	4783	1#	6000	1*	5391	1#	5628	5	3967	10	4798	7	5094	3*
3708	31633*	3613	10	4943		4278		4751	9	5537	2*#	5144	3	4711	5
3709	NDR 359 (NC)	3006		5384	10	4195		6048	2	2907		4478	10	4336	
3711	31638*	4396	4#	5801	3	5099	3#	6232	1	5389	3*	5811	1*	5455	2*#
3718	ZC	3440		4407		3924		5157	8	4074	8	4615	8	4270	
3725	32510	2816		3471		3144		3578		4030	9	3804		3474	
3732	32530	3954	9#	5542	6	4748	8	3871		4989	5	4430		4589	7
3733	32537	4065	7#	5781	5	4923	5#	4426		3470		3948		4436	10
3734	32544	4306	5#	5414	9	4860	6#	4540		1730		3135		3997	
3735	32547	3996	8#	4734		4365	10	5410	6	3781		4596	9	4480	9
3736	HRI 174 (HC)	2698		5795	4	4247		5706	4	4533	6	5120	4	4683	6
3744	LC	4745	2	5189		4967	4	4000		2319		3159		4063	
Experimental Mean		3817		5297		4557		4967		4064		4515		4536	
CD(0.05)		1175		470		606		1297		919		839		536	
CV(%)		18.46		5.32		7.97		15.66		13.57		11.14		7.08	
F val		2.63*		16.11**		7.13**		3.3**		13.93**		7.87**		8.28**	
DOS		13-06-2025		20-06-2025				20-06-2025		13-06-2025					
DOP		23-07-2025		18-07-2025				05-07-2025		27-07-2025					
Local Check Name		CR Dhan-307		Numali				Gomati		CR Dhan-307					

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Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL									
		Chhattisgarh								Chhattisgarh (4)	
		Ambikhapur		Bilaspur		Jagadalpur		Raipur		Mean	
3701	29860*	6996		6167		4762	7#	6402	7*#	6081	*#
3702	29877*	7553		7317	4	5182	3#	5108		6290	9*#
3705	31480 (H)*	8727	3*#	7650	3	5705	2#	7628	2*#	7427	1*#
3707	31618*	8380	7#	5283		6067	1*#	5079		6202	10*#
3709	NDR 359 (NC)	5791		6667	7	4736	8	4508		5426	
3711	31638*	6962		7700	2	4864	5#	7078	5*#	6651	5*#
3714	31641*	8342	8#	6183		4808	6#	6257	9*#	6398	7*#
3715	31643*	6382		6250		4667	9#	5456	#	5689	
3716	31659*	9038	1*#	7183	5	4621	#	7209	4*#	7013	3*#
3718	ZC	7189		4967		3454		4753		5091	
3725	32510	7831		6613	9	4646	10#	6393	8*#	6371	8*#
3726	32513	8544	4*#	5150		4527	#	4658		5720	
3732	32530	8038	10	7167	6	5097	4#	6677	6*#	6745	4*#
3733	32537	8060	9	5883		4226		5259		5857	
3734	32544	6058		6350		4054		4969		5358	
3735	32547	5949		4983		4418	#	4589		4985	
3736	HRI 174 (HC)	7329		6550	10	3103		4598		5395	
3737	33052 (H)	8480	6#	5933		3394		5827	10*#	5908	
3738	33055 (H)	8536	5*#	6650	8	3686		7580	3*#	6613	6*#
3739	33063 (H)	8909	2*#	8301	1*#	4210		7766	1*#	7297	2*#
3744	LC	7662		5667		3492		4740		5390	
Experimental Mean		7655		6410		4463		5835		6091	
CD(0.05)		859		1277		1263		786		571	
CV(%)		6.8		12.07		17.15		8.17		5.68	
F val		11.09**		4.29**		2.93**		17.09**		12.41**	
DOS		03-07-2025		12-06-2025		18-06-2025		20-06-2025			
DOP		07-08-2025		08-07-2025		08-07-2025		19-07-2025			
Local Check Name		IGKV R - 1244		IGKV R - 1244		IGKV R - 1244		Indira Maheshwari			

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL								ZONE V - CENTRAL (7)	
		Maharashtra				Maharashtra (2)		Madhya Pradesh			
		Sakoli		Sindewahi		Mean		Waraseoni		Mean	
3701	29860*	4444		6369	2#	5407	2#	5476	#	5802	10*#
3702	29877*	4778	9	5696	8#	5237	4	5070		5815	9*#
3705	31480 (H)*	3889		6281	3#	5085	8	5746	#	6518	2*#
3707	31618*	4000		5877	6#	4939		5051		5677	*#
3709	NDR 359 (NC)	5222	4	4973		5098	6	5217		5302	
3711	31638*	4667		4001		4334		7770	2*#	6149	5*#
3714	31641*	5778	2	6093	5#	5936	1#	7790	1*#	6464	3*#
3715	31643*	5667	3	4523		5095	7	6044	10*#	5570	#
3716	31659*	5000	6	4473		4737		6954	4*#	6354	4*#
3718	ZC	4778	9	4117		4447		4876		4876	
3725	32510	4333		5357	10#	4845		5929	*#	5872	8*#
3726	32513	6411	1*#	3686		5049	10	5025		5429	
3732	32530	3833		5397	9#	4615		6731	6*#	6134	7*#
3733	32537	3722		4520		4121		6211	9*#	5412	
3734	32544	3844		4743		4294		6726	7*#	5249	
3735	32547	4889	7	4364		4626		5819	*#	5002	
3736	HRI 174 (HC)	5222	4	4050		4636		4856		5101	
3737	33052 (H)	3900		4893		4397		6822	5*#	5607	#
3738	33055 (H)	3889		6263	4#	5076	9	6391	8*#	6142	6*#
3739	33063 (H)	3922		6501	1#	5211	5	7221	3*#	6690	1*#
3744	LC	4822	8	5751	7	5287	3	4017		5165	
Experimental Mean		4620		5139		4880		5988		5730	
CD(0.05)		774		990		666		574		363	
CV(%)		10.15		11.67		8.28		5.81		3.84	
F val		7.69**		6.62**		3.55**		25.89**		17.5**	
DOS		23-06-2025		18-06-2025				24-06-2025			
DOP		31-07-2025		08-08-2025				21-07-2025			
Local Check Name		PDKV Kisan		SYE-2001				JR-10			

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Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (4)	
		Gujarat				Gujarat (2)		Maharashtra				Maharashtra (2)		Mean	
		Navasari		Nawagam		Mean		Shirgaon		Karjat		Mean		Mean	
3702	29877*	4068	6	4596	10	4332	10	5370	5#	5659	6	5514	5#	4923	5#
3703	31478 (H)*	3834	10	4261		4048		3316		5207	7	4262		4155	
3705	31480 (H)*	4000	7	6512	1*#	5256	2*#	4579	10	7095	1*#	5837	3*#	5547	2*#
3709	NDR 359 (NC)	3905	8	5528	5	4717	4	4630	8	5039	8	4834		4775	8
3717	31700	3600		3506		3553		3662		4435		4048		3801	
3718	ZC			3417		3417		4613	9			4613		4015	
3725	32510	3423		4880	7	4151		5842	4*#	3990		4916	9	4534	
3728	32518	3388		2225		2807		4941	7#	5024	9	4982	8	3894	
3729	32523	4511	3#	4966	6#	4738	3#	4133		4690		4411		4575	10#
3732	32530	4996	1#	6111	2*#	5553	1*#	6052	2*#	6461	2#	6257	1*#	5905	1*#
3733	32537	4542	2#	4577		4559	8#	3906		6424	3#	5165	6#	4862	6#
3734	32544	4278	5#	4765	9	4521	9#	5311	6#	4959		5135	7#	4828	7#
3735	32547	3840	9	5550	4#	4695	5#	6288	1*#	5014	10	5651	4#	5173	4#
3736	HRI 174 (HC)	3411		4483		3947		4024		4613		4318		4133	
3737	33052 (H)	3425		5766	3#	4596	7#	5867	3*#	5816	5#	5841	2*#	5219	3*#
3744	LC	4360	4	4875	8	4617	6	3822		5922	4	4872	10	4745	9
Experimental Mean		3972		4751		4344		4772		5357		5041		4693	
CD(0.05)		723		446		437		805		1169		804		422	
CV(%)		10.88		5.63		6.04		10.11		13.05		9.57		5.39	
F val		3.85**		48.58**		20.52**		11.18**		4.48**		5.29**		16.73**	
DOS		18-06-2025		12-06-2025				09-06-2025		13-06-2025					
DOP		08-07-2025		01-08-2025				01-07-2025		08-07-2025					
Local Check Name		GR-25		GR-25				Ratnagiri 6		Karjat 5					

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN													
		Andhra Pradesh				Andhra Pradesh (2)		Karnataka				Karnataka (2)		Puducherry	
		Maruteru		Ragolu		Mean		Brahmavar		Mandya		Mean		Karaikal	
3705	31480 (H)*	7605	1*#	8113	5*	7859	1*#	4154		5004		4579		5011	
3706	31481 (H)*	3198		7445	9	5321		4520	7	5092		4806		4500	
3707	31618*	7091	6*#	8176	3*	7633	4*#	3367		5575	8	4471		5578	10
3708	31633*	6399	7	8088	6*	7243	6	4314		5204		4759		5822	5
3709	NDR 359 (NC)	4996		7295		6145		4886	3	4940		4913	8	5700	7
3711	31638*	7152	4*#	8275	1*	7714	3*#	4583	5	6510	1*	5547	3	4889	
3714	31641*	3054		7829	8	5441		4255		6109	4	5182	5	4067	
3715	31643*	5870		6743		6307	10	4482	9	5746	6	5114	6	5633	9
3718	ZC	5004		6616		5810		4516	8	5255	10	4886	10	5033	
3722	32505	5961	9	5737		5849		4377		5500	9	4938	7	5311	
3725	32510	7189	3*#	7246		7218	7	4579	6	4760		4669		5822	5
3732	32530	7097	5*#	8065	7*	7581	5*#	3510		6306	3*	4908	9	6533	1
3733	32537	5749		6760		6255		4482	9	6064	5	5273	4	5378	
3734	32544	7416	2*#	8247	2*	7831	2*#	4697	4	4217		4457		5656	8
3735	32547	5202		6905		6054		4242		4376		4309		5844	4
3736	HRI 174 (HC)	5909	10	8159	4	7034	8	5135	2	6360	2	5747	1	6044	3
3744	LC	6249	8	7440	10	6844	9	5619	1	5701	7	5660	2	6467	2
Experimental Mean		5949		7479		6714		4454		5454		4954		5488	
CD(0.05)		834		456		511		603		550		412		1238	
CV(%)		8.43		3.67		4.57		8.15		6.07		5		13.57	
F val		21.75**		21.58**		24**		6.24**		12.84**		8.68**		2.25*	
DOS		06-07-2025		02-07-2025				14-06-2025		07-07-2025				09-12-2025	
DOP		04-08-2025		28-07-2025				28-07-2025		03-08-2025				14-10-2025	
Local Check Name		MTU 1239		MTU 1121				BMR-MS-1-2-1		BR-2655				KKL (R) 2	

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (10)			
		Telangana						Telangana (3)		Tamil Nadu			Tamil Nadu (2)		SOUTHERN (10)		
		Jagtial		Rajendranagar		Warangal		Mean		Adutrai		Coimbatore		Mean			
3705	31480 (H)*	6096	10	7845	1*#	8202	2*#	7381	3*#	5148		4218		4683		6140	5
3706	31481 (H)*	6848	4#	6020	10	4785		5884		5489	7	4294		4892		5219	
3707	31618*	5883		5441		6321		5882		5456	9	6435	9#	5945	10#	5932	10
3708	31633*	6551	6#	6143	9	5073		5922		5978	3	6192	10#	6085	6#	5976	9
3709	NDR 359 (NC)	6188	9	6581	6	6399	10	6390	6	5004		5403		5203		5739	
3711	31638*	7527	2*#	7192	4	8042	3*	7587	1*#	5285		5869	#	5577	#	6533	2*#
3714	31641*	6501	7#	7161	5	2932		5531		5159		5913	#	5536	#	5298	
3715	31643*	5556		7246	3	7676	5	6826	5	5167		6970	4#	6068	7#	6109	6
3718	ZC	5258		5121		6234		5538		6096	1	6703	7	6399	4	5584	
3722	32505	5301		5816		7904	4	6340	8	5389		6730	6#	6060	8#	5803	
3725	32510	8233	1*#	5941		6567	9	6914	4	5444	10	7452	2#	6448	3#	6323	3#
3732	32530	6350	8	7673	2#	8404	1*#	7476	2*#	5574	6	7205	3#	6390	5#	6672	1*#
3733	32537	4946		6554	7	5160		5553		5919	5	4414		5166		5543	
3734	32544	7442	3*#	5896		5262		6200	10	5185		7903	1#	6544	1#	6192	4
3735	32547	6717	5#	4768		7605	6	6363	7	6081	2	6874	5#	6478	2#	5861	
3736	HRI 174 (HC)	5675		6301	8	7039	7	6338	9	5952	4	3194		4573		5977	8
3744	LC	5336		5157		6855	8	5783		5463	8	6555	8	6009	9	6084	7
Experimental Mean		6259		6286		6498		6348		5517		6019		5768		5940	
CD(0.05)		739		1248		1067		631		514		1296		655		326	
CV(%)		7.1		11.93		9.88		5.98		5.61		12.95		6.83		3.3	
F val		12.46**		4.42**		15.95**		9.56**		4.05**		8.43**		8.29**		12.07	
DOS		17-06-2025		22-06-2025		17-06-2025				09-06-2025		11-06-2025				**	
DOP		07-10-2025		23-07-2025		15-07-2025				10-11-2025		09-07-2025					
Local Check Name		RNR 28361		RNR 28361		RNR 28361				ADT 61		CO 56					

Table No. 5.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – IM, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN					
		Karnataka			Kerala		
		@Mugad		@Ponnampet	@Pattambi		
3705	31480 (H)*	4440	10	7729	5	4028	3
3706	31481 (H)*	4316		7806	4	2689	
3707	31618*	4363		5757	10	3875	4
3708	31633*	4486	7	8542	1	3196	10
3709	NDR 359 (NC)	5511	1	8438	2	3051	
3711	31638*	4942	3	7521	6	3603	8
3714	31641*	4471	9	6104	9	2968	
3715	31643*	4300		5104		3771	6
3718	ZC	4484	8	4049		3179	
3722	32505	4740	4	6139	8	3773	5
3725	32510	4322		8194	3	4459	1
3732	32530	4618	5	5458		3170	
3733	32537	4427		5257		4328	2
3734	32544	4331		6896	7	2940	
3735	32547	4491	6	3403		1708	
3736	HRI 174 (HC)	5419	2	5271		3525	9
3744	LC	4133		5472		3639	7
Experimental Mean		4576		6302		3406	
CD(0.05)		938		134		2506	
CV(%)		12.33		1.28		44.23	
F val		1.37ns		1100.54**		0.58ns	
DOS		06-09-2025		25-07-2025			
DOP		Drill sown		26-08-2025			
Local Check Name		PSB-68		Tunga			

Table No. 5.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN											
		Haryana			Jammu & Kashmir			Punjab			Uttarakhand		
		Kaul			Chata			Ludhiana			Pantnagar		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3709	NDR 359 (NC)	103	117	332	97	106	309	111	108	231	96	114	305
3718	ZC	105	99	263	104	85	295	112	88	264	101	95	415
3720	32501	98	121	280	96	107	311	104	121	235	86	117	289
3724	32509	101	118	283	94	107	357	110	112	244	91	127	315
3725	32510	116	144	251				118	137	297	106	140	366
3732	32530	120	136	310	115	107	313	125	123	200	110	133	280
3733	32537	127	116	273	129	95	287				122	125	299
3734	32544	120	123	294	121	104	330	128	110	189	113	121	164
3735	32547	127	128	329	101	113	312	131	118	292	119	133	222
3736	HRI 174 (HC)	107	130	355	103	107	282	115	121	271	100	120	322
3741	33075 (H)	106	124	345	103	104	328	113	108	286	100	117	398
3744	LC	100	119	307	102	113	263	113	102	253	94	108	338
Experimental Mean		110	122	301	105	104	307	116	113	251	103	120	309
Standard Error		0.4			1.6			1.06			0.7		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN									ZONE II - NORTHERN (6)		
		Uttar Pradesh						Uttar Pradesh (2)					
		Nagina			Kanpur			Mean			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3709	NDR 359 (NC)	104	99	290	66	44	178	85	72	234	96	98	274
3718	ZC	112	76	264	75	40	200	94	58	232	102	80	284
3720	32501	98	108	279	60	49	188	79	79	233	90	104	264
3724	32509	110	107	284	57	39	259	83	73	271	94	102	290
3725	32510	113	120	279	74	68	240	93	94	260	105	122	287
3732	32530				71	68	285	71	68	285	108	113	278
3733	32537				64	55	215	64	55	215	110	98	269
3734	32544				59	80	197	59	80	197	108	108	235
3735	32547				67	82	200	67	82	200	109	115	271
3736	HRI 174 (HC)				60	78	260	60	78	260	97	111	298
3741	33075 (H)	113	96	230	77	49	274	95	72	252	102	100	310
3744	LC	109	77	234	62	58	230	86	67	232	97	96	271
Experimental Mean		108	97	265	66	59	227	78	73	239	102	104	278
Standard Error		0.36			1.75			1.15			0.39		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar						Bihar (2)			Jharkhand			Odisha		
		Bikramganj (Dhangain)			Sabour			Mean			Ranchi			NRRI		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3701	29860*	120	117	324	123	117	260	122	117	292	102	115	183	101	123	221
3702	29877*	114	122	243	115	103	227	115	112	235	99	98	168	102	105	272
3705	31480 (H)*	105	120	218	114	120	318	110	120	268	93	111	259	101	108	222
3707	31618*	127	115	233	122	113	273	125	114	253	105	103	189	103	113	321
3708	31633*	112	133	246	121	120	246	117	126	246	102	105	197	103	109	270
3709	NDR 359 (NC)	98	119	251	134	103	247	116	111	249	88	102	149	102	108	197
3710	31637*	120	104	280	119	100	221	120	102	250	96	99	263	101	106	292
3711	31638*	105	138	293	112	118	271	109	128	282	97	113	254	101	118	284
3712	31639*	120	118	216	116	122	239	118	120	228	99	109	158	100	122	222
3713	31640*	127	137	239	135	131	282	131	134	260	116	114	200	111	118	241
3714	31641*	103	121	250	131	123	262	117	122	256	114	107	297	108	117	322
3715	31643*	105	119	299	124	119	303	114	119	301	110	111	204	103	118	231
3718	ZC	128	122	237	132	116	309	130	119	273	87	112	228	99	116	250
3719	32492	130	114	274	124	116	274	127	115	274	101	110	170	102	107	244
3721	32503	120	118	269	115	110	261	118	114	265	100	107	221	101	114	225
3723	32507	115	112	275	110	103	220	113	108	248	98	105	151	100	96	198
3725	32510	108	131	281	109	130	232	109	130	256	91	122	156	99	123	263
3727	32515	99	105	253	102	109	208	101	107	231	90	106	206	109	93	234
3728	32518	129	133	294	124	131	281	127	132	288	104	112	244	101	121	274
3730	32525	118	105	217	111	108	142	115	107	180	98	110	177	99	101	131
3731	32526	131	110	244	126	108	199	128	109	222	105	111	242	101	110	248
3732	32530	117	116	241	115	110	211	116	113	226	96	110	221	104	119	217
3733	32537	120	122	285	123	113	229	122	118	257	109	113	195	101	110	202
3734	32544	114	113	272	117	114	191	116	114	232	105	112	145	100	117	226
3735	32547	114	128	255	113	114	240	114	121	247	108	117	232	99	108	285
3736	HRI 174 (HC)	99	117	288	102	110	237	101	114	263	90	111	186	104	106	225
3740	33071 (H)	104	116	260	134	107	329	119	112	294	102	110	245	99	106	274
3742	33078 (H)	120	114	243	123	105	209	122	110	226	106	100	170	103	112	269
3743	33079 (H)	105	108	256	109	114	219	107	111	238	95	111	199	101	116	226
3744	LC	114	115	250	126	105	244	120	110	247	86	107	149	104	95	233
Experimental Mean		114	118	259	119	113	246	117	116	253	99	109	201	102	111	243
Standard Error		0.06			1.06			0.53			2.35			0.62		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha						Odisha (4)			Uttar Pradesh					
		Bhubaneswar			Chiplima			Jeypore			Mean			Masodha		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3701	29860*	100	118	158	85	104	191	114	107	244	100	182	204	104	105	288
3702	29877*	96	107	264	88	97	175	112	108	295	100	169	252	107	101	276
3705	31480 (H)*	97	116	183	83	98	182	103	109	275	96	173	216	91	103	279
3707	31618*	103	116	225	86	106	202	119	102	269	103	180	254	116	106	268
3708	31633*	100	116	174	86	88	261	107	106	270	99	163	244	102	105	262
3709	NDR 359 (NC)	93	95	183	87	90	261	96	100	236	95	158	219	107	99	271
3710	31637*	95	96	216	86	94	248	101	111	208	96	165	241	110	103	279
3711	31638*	96	105	270	81	108	154	105	100	192	96	180	225	112	102	276
3712	31639*	100	110	166	85	97	269	108	99	199	98	172	214	108	103	277
3713	31640*	113	119	245	82	91	173	118	105	226	106	169	221	102	110	262
3714	31641*	101	105	263	87	95	191	110	98	247	102	167	256	100	101	282
3715	31643*	105	102	206	61	96	228	109	101	322	95	168	247	112	102	266
3718	ZC				83	86	331	108	103	255	97	159	279	104	100	279
3719	32492	102	108	223	83	96	219	111	102	292	100	167	244	105	100	254
3721	32503	100	99	214	84	96	216	108	104	234	98	167	222	107	103	282
3723	32507	96	94	186	84	92	233	101	99	237	95	156	213	102	99	274
3725	32510	95	78	197	84	96	210	100	99	165	95	163	209	114	102	238
3727	32515	96	94	172	84	98	193	105	92	201	98	160	200	101	101	281
3728	32518	103	114	267	86	103	181	118	99	207	102	178	232	105	101	250
3730	32525	98	98	183	88	97	202	113	97	174	99	163	172	100	102	266
3731	32526	104	100	235	85	93	223	113	95	182	101	161	222	104	101	279
3732	32530	100	106	157	83	91	227	101	98	230	97	164	208	114	99	251
3733	32537	104	105	204	86	98	214	109	98	230	100	169	212	102	100	269
3734	32544	103	101	150	84	104	181	103	105	206	97	176	190	106	97	242
3735	32547	95	101	239	84	75	218	103	105	201	95	148	236	101	97	276
3736	HRI 174 (HC)	95	100	203	83	94	177	103	102	219	96	164	206	102	93	261
3740	33071 (H)	98	96	272	83	106	248	105	104	307	96	173	275	101	96	273
3742	33078 (H)	103	98	184	80	99	248	109	108	212	99	170	228	106	96	277
3743	33079 (H)	95	102	179	82	91	191	104	106	279	96	165	219	107	95	277
3744	LC	97	103	196	83	95	134	106	101	194	98	162	189	106	96	277
Experimental Mean		99	103	207	83	95	212	107	102	233	98	167	225	105	100	269
Standard Error		0.24			5.06			1.08			1.33			0.61		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN												ZONE III - EASTERN (11)		
		Mean												Mean		
		Malda			Bankura			chinsurah			West Bengal (3)			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3701	29860*	110	128	473	88	87	392	119	141	245	106	119	370	106	184	271
3702	29877*	96	140	376	88	105	377	110	123	300	98	123	351	103	175	270
3705	31480 (H)*	92	149	400	93	105	377	110	134	268	98	129	348	98	181	271
3707	31618*	112	135	314	95	105	390	122	117	263	110	119	322	110	183	268
3708	31633*	112	146	470	93	91	379	120	135	289	109	124	379	105	172	279
3709	NDR 359 (NC)	94	125	324	95	89	372	106	118	264	99	111	320	100	164	250
3710	31637*	110	146	478	92	100	383	120	111	297	107	119	386	105	169	288
3711	31638*	95	148	268	92	104	368	110	130	266	99	127	301	100	189	263
3712	31639*	107	135	235	97	100	374	121	131	295	108	122	301	106	178	241
3713	31640*	117	127	268	93	99	395	124	141	249	111	122	304	113	178	253
3714	31641*	116	137	391	96	107	392	128	128	258	113	124	347	109	176	287
3715	31643*	110	129	373	88	111	357	121	123	299	106	121	343	104	176	281
3718	ZC	109	131	364				122	140	301	116	136	332	108	171	284
3719	32492	97	130	398	87	115	377	126	116	285	103	121	353	106	174	274
3721	32503	100	124	341	95	112	398	120	126	330	105	121	356	105	174	272
3723	32507	101	128	316	94	116	385	114	119	268	103	121	323	101	167	249
3725	32510	96	143	420	95	91	410	113	153	316	101	129	382	100	179	263
3727	32515	90	132	361	92	94	389	111	111	273	98	112	341	98	169	252
3728	32518	114	135	476	97	96	380	124	134	281	112	121	379	110	185	285
3730	32525	100	129	434	94	96	398	115	111	281	103	112	371	103	170	237
3731	32526	102	111	451	94	100	394	128	129	289	108	113	378	108	168	272
3732	32530	96	133	481	90	100	376	121	135	276	103	123	378	103	171	263
3733	32537	103	114	421	95	105	374	126	120	270	108	113	355	107	174	263
3734	32544	104	131	479	88	92	395	116	130	308	103	117	394	104	180	254
3735	32547	101	142	451	90	96	369	117	131	296	103	123	372	102	161	278
3736	HRI 174 (HC)	90	133	445	87	110	378	109	125	305	95	123	376	97	172	266
3740	33071 (H)	92	145	410	90	99	387	110	133	255	97	126	351	102	181	296
3742	33078 (H)	103	140	456	88	88	392	121	125	281	104	117	376	106	174	268
3743	33079 (H)	95	137	472	87	94	397	107	136	272	97	122	380	99	171	270
3744	LC	93	121	466	94	103	391	121	141	284	103	122	380	103	171	256
Experimental Mean		101	133	400	91	100	384	117	128	282	104	121	355	104	175	267
Standard Error		0.81			1.67			0.58			0.67			0.53		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN								
		Assam						Assam (2)		
		Gerua			Titabar			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3701	29860*	120	131	231	116	149	340	118	140	286
3702	29877*	113	110	247	109	124	376	111	117	312
3704	31479 (H)*	106	125	241	101	136	371	104	131	306
3705	31480 (H)*	113	135	245	108	144	425	111	140	335
3707	31618*	117	132	233	117	140	412	117	136	322
3708	31633*	113	133	237	114	141	399	114	137	318
3709	NDR 359 (NC)	99	112	242	100	116	390	99	114	316
3711	31638*	106	125	253	104	135	396	105	130	324
3718	ZC	106	106	252	103	113	400	104	110	326
3725	32510	113	132	244	110	131	385	112	132	314
3732	32530	113	124	249	112	128	413	112	126	331
3733	32537	120	127	240	118	126	387	119	126	314
3734	32544	113	123	222	112	132	398	112	127	310
3735	32547	117	128	245	116	137	380	116	133	312
3736	HRI 174 (HC)	103	124	234	100	135	368	101	129	301
3744	LC	113	122	236	113	143	386	113	133	311
Experimental Mean		111	124	240	109	133	389	110	129	315
Standard Error		0			0.49			0.24		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN									ZONE IV - NORTH EASTERN (4)		
		Tripura						Tripura (2)			Mean		
		Arundhutinagar			Lembucherra			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3701	29860*	99	143	468	103	137	308	101	140	388	110	140	337
3702	29877*	103	124	558	100	125	242	102	124	400	106	121	356
3704	31479 (H)*	90	138	630	101	116	300	95	127	465	99	129	385
3705	31480 (H)*	91	144	666	101	106	208	96	125	437	103	132	386
3707	31618*	86	147	666	101	116	200	94	131	433	105	134	378
3708	31633*	108	140	522	98	132	317	103	136	419	108	137	369
3709	NDR 359 (NC)	88	116	648	96	90	225	92	103	436	96	109	376
3711	31638*	95	134	720	102	127	317	98	130	518	102	130	421
3718	ZC	96	110	630	103	115	400	99	112	515	102	111	420
3725	32510	104	130	342	99	121	267	101	125	304	106	128	309
3732	32530	88	133	396	104	113	208	96	123	302	104	125	317
3733	32537	98	126	504	102	101	217	100	114	360	110	120	337
3734	32544	111	128	486	105	100	208	108	114	347	110	121	329
3735	32547	105	138	558	101	115	225	103	126	392	110	129	352
3736	HRI 174 (HC)	87	129	648	97	114	300	92	122	474	97	125	388
3744	LC	100	126	540	92	124	267	96	125	403	104	129	357
Experimental Mean		96	131	561	100	115	263	98	124	412	104	126	364
Standard Error		2.57			0.74			1.33			0.65		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL													
		Chhattisgarh											Chhattisgarh (4)		
		Ambikhapur			Bilaspur		Jagadalpur			Raipur			Mean		
		DDF	PH	PAN	DDF	PH	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3701	29860*	108	127	172	114	142	101	101	357	113	146	229	109	129	253
3702	29877*	108	89	159	105	125	95	80	227	107	117	263	104	103	216
3705	31480 (H)*	107	99	192	110	141	98	90	232	108	136	233	106	117	219
3707	31618*	110	114	169	115	132	102	88	251	116	120	208	111	113	209
3709	NDR 359 (NC)	104	105	165	98	123	97	74	227	112	119	198	103	105	196
3711	31638*	104	95	157	102	142	99	97	274	106	127	229	103	115	220
3714	31641*	117	114	192	116	142	100	89	252	117	122	231	113	117	225
3715	31643*	116	112	196	114	141	100	85	245	119	115	228	112	113	223
3716	31659*	112	114	169	108	156	101	99	272	107	127	206	107	124	216
3718	ZC	105	89	164	98	113	103	64	158	106	108	210	103	93	178
3725	32510	108	121	177	105	147	107	93	330	104	127	185	106	122	231
3726	32513	104	117	176	102	153	99	92	275	101	126	202	102	122	218
3732	32530	106	113	185	110	126	99	88	262	109	118	195	106	111	214
3733	32537	116	109	170	116	124	101	86	257	117	107	199	113	106	209
3734	32544	114	108	132	109	127	98	86	237	109	116	193	108	109	187
3735	32547	117	111	175	114	123	105	89	239	111	117	199	112	110	204
3736	HRI 174 (HC)	104	112	168	99	125	98	81	200	92	122	196	98	110	188
3737	33052 (H)	104	111	160	98	129	99	83	199	104	118	215	101	110	191
3738	33055 (H)	103	120	170	120	145	99	96	294	113	123	189	109	121	218
3739	33063 (H)	104	116	187	99	130	100	86	263	104	116	217	102	112	222
3744	LC	108	113	200	96	134	99	79	199	104	125	193	102	113	197
Experimental Mean		108	109	173	107	134	100	86	250	108	121	210	106	113	211
Standard Error		0.97			0		0			3.03			0.71		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL												ZONE V - CENTRAL (7)		
		Maharashtra						Maharashtra (2)			Madhya Pradesh					
		Sakoli			Sindewahi			Mean			Waraseoni			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3701	29860*	120	143	232	106	122	196	113	133	214	105	129	273	110	130	243
3702	29877*	113	111	248	105	117	270	109	114	259	101	105	308	105	106	246
3705	31480 (H)*	112	131	145	105	119	237	109	125	191	103	124	238	106	120	213
3707	31618*	120	120	196	108	117	245	114	118	220	111	112	247	112	115	219
3709	NDR 359 (NC)	98	111	254	96	106	246	97	109	250	90	94	233	99	105	220
3711	31638*	109	134	292	102	117	350	106	126	321	99	113	237	103	118	256
3714	31641*	122	122	299	107	132	322	114	127	310	111	111	274	113	119	262
3715	31643*	119	120	306	109	116	219	114	118	263	111	111	250	113	114	241
3716	31659*	113	140	297	109	137	260	111	138	278	99	149	202	107	132	234
3718	ZC	101	101	259	101	105	299	101	103	279	94	93	231	101	96	220
3725	32510	105	131	245	105	128	240	105	130	242	95	144	251	104	127	238
3726	32513	98	125	318	103	114	256	100	120	287	93	124	224	100	122	242
3732	32530	108	115	185	107	109	234	108	112	210	99	127	226	105	114	215
3733	32537	122	114	195	110	114	222	116	114	208	111	106	182	113	108	204
3734	32544	116	130	215	106	112	274	111	121	245	103	113	271	108	113	220
3735	32547	118	122	254	107	117	290	112	120	272	102	115	257	111	113	236
3736	HRI 174 (HC)	105	119	290	102	105	207	103	112	249	96	113	245	99	111	218
3737	33052 (H)	102	121	211	103	112	216	103	116	214	95	119	260	101	113	210
3738	33055 (H)	108	124	245	104	108	239	106	116	242	109	131	279	108	121	236
3739	33063 (H)	105	128	182	105	112	234	105	120	208	96	122	271	102	116	226
3744	LC	108	101	289	105	102	347	107	102	318	94	111	247	102	109	246
Experimental Mean		110	122	245	105	115	257	108	119	251	100	117	247	106	115	231
Standard Error		0.48			0.42			0.35			0.84			0.46		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN																		ZONE VI - WESTERN (4)		
		Gujarat						Gujarat (2)			Maharashtra						Maharashtra (2)					
		Navasari			Nawagam			Mean			Shirgaon			Karjat			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3702	29877*	94	111	170	106	116	285	100	114	227	103	119	135	94	111	273	99	115	204	99	114	216
3703	31478 (H)*	82	114	165	109	126	282	96	120	223	87	118	123	92	124	263	90	121	193	93	121	208
3705	31480 (H)*	82	125	167	106	120	299	94	123	233	106	128	170	104	131	247	105	130	209	100	126	221
3709	NDR 359 (NC)	81	124	165	108	113	292	94	119	229	92	101	136	96	114	234	94	108	185	94	113	207
3717	31700	95	111	154	103	124	278	99	117	216	82	112	147	91	113	225	87	113	186	93	115	201
3718	ZC				113	129	274	113	129	274	91	115	157				91	115	157	102	122	215
3725	32510	92	160	154	97	137	288	94	148	221	96	133	169	100	130	229	98	132	199	96	140	210
3728	32518	79	123	161	96	134	263	88	129	212	113	133	136	108	135	258	110	134	197	99	131	205
3729	32523	90	107	186	108	126	289	99	117	238	84	98	167	95	118	226	89	108	196	94	112	217
3732	32530	98	126	188	96	123	298	97	125	243	111	114	190	99	124	251	105	119	220	101	122	232
3733	32537	100	126	156	100	127	286	100	126	221	107	119	162	106	122	265	106	120	214	103	123	217
3734	32544	98	132	167	94	124	287	96	128	227	105	120	176	100	123	273	102	122	225	99	125	226
3735	32547	99	130	170	103	136	296	101	133	233	107	131	160	105	126	254	106	129	207	104	131	220
3736	HRI 174 (HC)	87	120	151	106	120	284	96	120	218	93	120	202	98	127	239	96	124	220	96	122	219
3737	33052 (H)	89	122	185	100	127	297	94	125	241	99	128	215	99	118	274	99	123	245	96	124	243
3744	LC	90	121	190	96	123	289	93	122	239	97	109	167	100	127	358	98	118	262	96	120	251
Experimental Mean		90	123	168	102	125	286	97	125	231	98	118	163	99	122	257	98	121	207	98	123	219
Standard Error		0.5			0.9			0.63			0.69			0.74			0.5			0.37		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh						Andhra Pradesh (2)			Karnataka					
		Maruteru			Ragolu			Mean			Brahmavar			Mandya		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3705	31480 (H)*	96	132	451	98	131	251	97	132	351	110	90	436	126	99	261
3706	31481 (H)*	95	95	352	87	104	252	91	99	302	113	72	436	122	91	295
3707	31618*	104	122	385	106	120	288	105	121	337	96	90	419	116	102	272
3708	31633*	95	146	330	107	143	290	101	144	310	102	89	474	115	101	283
3709	NDR 359 (NC)	89	137	385	91	98	251	90	118	318	96	64	423	95	93	283
3711	31638*	94	137	407	96	131	320	95	134	364	86	86	432	93	112	295
3714	31641*	110	118	341	109	119	292	110	119	317	94	86	411	95	101	317
3715	31643*	107	133	341	111	118	264	109	125	302	91	89	424	120	100	295
3718	ZC	88	107	352	94	86	301	91	97	326	108	76	446	119	98	306
3722	32505	110	126	396	112	118	282	111	122	339	103	76	419	121	106	283
3725	32510	89	117	407	93	124	250	91	121	329	92	92	427	124	110	261
3732	32530	94	140	385	101	122	254	98	131	320	100	81	446	122	107	275
3733	32537	109	127	374	107	115	250	108	121	312	111	80	429	120	100	295
3734	32544	96	122	418	101	123	249	98	122	334	100	83	443	90	104	261
3735	32547	99	129	363	99	114	308	99	121	336	91	85	408	95	108	261
3736	HRI 174 (HC)	93	124	374	95	106	247	94	115	310	93	84	426	118	90	283
3744	LC	109	113	363	103	121	257	106	117	310	102	85	419	112	111	272
Experimental Mean		98	125	377	100	117	270	100	121	325	99	82	430	111	101	282
Standard Error		0.79			0.32			0.43			0.85			0.63		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka (2)			Puducherry			Telangana								
		Mean			Karaikal			Jagtial			Rajendranagar			Warangal		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3705	31480 (H)*	118	94	348	84	94	557	111	121	362	113	108	328	104	134	343
3706	31481 (H)*	117	81	366	94	83	542	98	110	374	102	99	462	88	101	348
3707	31618*	106	96	345	96	99	533	117	113	405	119	101	339	117	127	341
3708	31633*	108	95	378	94	100	523	114	128	412	113	114	352	107	139	336
3709	NDR 359 (NC)	95	79	353	86	90	560	102	104	378	106	100	389	96	123	353
3711	31638*	90	99	364	95	104	538	108	126	437	118	107	308	101	140	339
3714	31641*	95	94	364	95	100	546	116	121	415	121	110	326	119	139	345
3715	31643*	106	95	360	92	105	576	117	123	353	121	103	301	117	142	342
3718	ZC	114	87	376	86	90	547	102	98	374	111	97	365	96	122	349
3722	32505	112	91	351	94	112	560	119	116	418	119	105	325	112	127	355
3725	32510	108	101	344	83	101	507	108	137	416	107	127	282	102	147	361
3732	32530	111	94	360	96	111	588	111	116	384	111	118	275	103	130	351
3733	32537	116	90	362	92	104	559	119	113	392	121	116	312	121	133	353
3734	32544	95	93	352	83	97	567	114	112	379	113	110	295	109	128	307
3735	32547	93	96	334	91	98	590	114	120	420	116	106	330	112	132	340
3736	HRI 174 (HC)	106	87	355	96	92	560	107	109	368	106	100	361	99	101	347
3744	LC	107	98	345	104	104	623	108	97	420	106	103	317	101	112	339
Experimental Mean		106	92	356	91	99	557	110	115	394	113	107	333	106	128	344
Standard Error		0.51			0.86			0.49			0.74			2.24		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (10)		
		Telangana (3)			Tamil Nadu						Tamil Nadu (2)					
		Mean			Adutrai			Coimbatore			Mean			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3705	31480 (H)*	109	121	344	98	72	263	107	119	370	102	96	316	105	110	362
3706	31481 (H)*	96	103	394	101	64	318	97	108	330	99	86	324	100	93	371
3707	31618*	118	114	362	102	73	346	114	111	295	108	92	320	109	106	362
3708	31633*	111	127	367	102	92	358	112	124	298	107	108	328	106	118	366
3709	NDR 359 (NC)	101	109	374	99	74	325	96	98	328	98	86	327	96	98	368
3711	31638*	109	125	361	100	100	217	106	121	390	103	110	304	100	116	368
3714	31641*	119	123	362	98	75	314	114	110	353	106	92	334	107	108	366
3715	31643*	118	123	332	101	90	263	111	118	335	106	104	299	109	112	349
3718	ZC	103	106	363	98	68	204	99	98	347	98	83	276	100	94	359
3722	32505	117	116	366	99	90	316	114	121	365	106	106	340	110	110	372
3725	32510	106	137	353	100	97	358	97	123	340	98	110	349	100	118	361
3732	32530	108	121	337	102	86	318	99	118	338	100	102	328	104	113	361
3733	32537	120	121	352	104	83	346	108	85	330	106	84	338	111	106	364
3734	32544	112	117	327	101	85	314	107	114	332	104	100	323	101	108	356
3735	32547	114	119	363	102	72	204	107	112	375	104	92	290	103	107	360
3736	HRI 174 (HC)	104	104	359	98	73	325	98	114	333	98	93	329	100	99	363
3744	LC	105	104	358	100	95	358	112	117	405	106	106	382	106	106	377
Experimental Mean		110	117	357	100	81	302	105	112	344	103	97	324	104	107	364
Standard Error		0.73			1.01			0.57			0.56			0.24		

Table No. 5.3 (contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT – 2 & 1 – IM, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN								
		Karnataka						Kerala		
		@Mugad			@Ponnampet			@Pattambi		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
3705	31480 (H)*	69	23	335	103	64	246	109	118	343
3706	31481 (H)*	70	24	310	100	84	245	107	100	321
3707	31618*	81	23	341	123	89	242	113	119	329
3708	31633*	75	20	343	116	65	222	108	124	310
3709	NDR 359 (NC)	63	21	341	115	84	224	110	116	290
3711	31638*	81	20	362	120	87	225	108	121	356
3714	31641*	67	18	333	117	95	239	110	122	317
3715	31643*	60	22	346	116	81	294	111	120	293
3718	ZC	71	23	320	115	81	222	110	101	398
3722	32505	79	24	329	103	67	261	113	112	297
3725	32510	66	20	339	113	71	281	109	133	356
3732	32530	63	22	343	115	82	274	109	126	312
3733	32537	68	21	332	116	70	235	113	120	270
3734	32544	68	19	334	117	56	292	109	118	308
3735	32547	69	20	323	118	71	277	108	112	359
3736	HRI 174 (HC)	73	23	358	114	64	266	110	117	400
3744	LC	71	21	315	107	71	281	106	123	348
Experimental Mean		70	21	335	113	75	254	109	117	329

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Trial No. 5.4: Grain quality characteristics of entires in AVT 2 & 1 – IM, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1391	3701	29860	77.2	65.3	49.8	5.31	2.63	2.01	SB	OC	4.0	25.76	35
1392	3702	29877	79.9	72.9	70.7	5.10	2.27	2.24	SB	VOC	4.0	27.92	54
1393	3703	31478	78.5	69.2	58.0	6.54	2.17	3.01	LS	VOC	4.0	28.07	55
1394	3704	31479	-	-	-	-	-	-	-	-	-	-	-
1395	3705	31480	79.4	66.8	34.3	5.81	2.47	2.35	SB	VOC	7.0	28.30	37
1396	3706	31481	78.6	68.1	45.6	6.24	2.44	2.55	LB	VOC	4.0	26.07	57
1397	3707	31618	77.7	68.9	48.3	5.41	2.29	2.36	SB	VOC	4.0	25.93	22
1398	3708	31633	79.3	71.9	62.1	4.86	2.38	2.04	SB	VOC	4.0	23.05	22
1399	3709	NDR-359 (NC)	80.2	69.1	58.4	6.18	2.29	2.69	LB	VOC	4.0	24.17	35
1400	3710	31637	77.1	68.8	61.7	5.82	2.46	2.36	SB	VOC	4.0	26.66	36
1401	3711	31638	78.9	68.2	45.9	6.74	2.21	3.04	LS	VOC	4.0	24.20	67
1402	3712	31639	79.1	71.2	69.0	6.69	2.05	3.26	LS	VOC	4.0	22.64	22
1403	3713	31640	75.0	65.1	61.2	4.96	1.66	2.98	MS	A	4.0	23.87	22
1404	3714	31641	78.3	69.2	60.0	5.51	2.09	2.63	MS	A	4.0	26.81	53
1405	3715	31643	78.7	69.3	48.9	5.17	2.49	2.07	SB	VOC	4.0	27.04	45
1406	3716	31659	78.3	70.8	69.0	5.52	2.08	2.65	MS	A	7.0	24.17	22
1407	3717	31700	77.7	69.0	65.7	7.17	2.11	3.39	LS	VOC	4.0	25.90	45
1408	3718	Jaya (ZC)	77.8	68.6	57.2	4.94	2.21	2.23	SB	VOC	7.0	27.22	24
1409	3719	32492	77.1	68.2	63.9	5.2	2.11	2.46	SB	VOC	4.0	28.27	63
1410	3720	32501	78.8	69.9	62.8	6.31	2.23	2.82	LB	VOC	4.0	27.83	45
1411	3721	32503	82.5	71.2	65.4	5.52	1.93	2.86	MS	A	4.0	28.30	61
1412	3722	32505	78.1	69.8	56.2	6.09	2.11	2.88	LB	VOC	4.0	28.30	56
1413	3723	32507	76.8	67.2	63.8	5.53	2.41	2.29	SB	VOC	4.0	27.28	45
1414	3724	32509	75.8	66.0	54.3	4.86	2.34	2.07	SB	OC	4.0	28.45	55
1415	3725	32510	77.3	68.2	49.0	5.50	2.31	2.38	SB	VOC	4.0	27.04	58
1416	3726	32513	77.7	69.8	64.1	6.38	2.39	2.66	LB	VOC	4.0	27.95	43
1417	3727	32515	77.0	67.9	62.1	6.79	2.20	3.08	LS	F	5.0	12.99	99
1418	3728	32518	78.8	71.4	67.5	5.33	2.37	2.24	SB	VOC	5.0	27.86	66
1419	3729	32523	-	-	-	-	-	-	-	-	-	-	-
1420	3730	32525	79.2	56.3	25.7	4.90	2.39	2.05	SB	VOC	5.0	28.24	65
1421	3731	32526	77.5	69.5	60.5	6.30	2.07	3.04	LS	VOC	4.0	27.42	56
1422	3732	32530	76.7	68.2	49.1	5.72	2.27	2.51	MS	VOC	4.0	24.81	45
1423	3733	32537	78.1	69.6	63.1	5.55	2.05	2.70	MS	VOC	5.0	26.48	50
1424	3734	32544	79.7	66.6	40.4	5.26	2.67	1.97	SB	OC	4.0	27.42	74
1425	3735	32547	80.4	70.5	58.5	5.95	1.89	3.14	SS	VOC	4.0	24.31	55
1426	3736	HRI-174 (HC)	79.8	69.9	56.9	5.91	2.16	2.73	MS	VOC	4.0	26.86	49
1427	3737	33052(H)	79.0	71.3	67.5	6.17	2.39	2.58	LB	VOC	5.0	27.01	43
1428	3738	33055(H)	81.1	72.6	66.2	6.77	2.14	3.16	LS	OC	5.0	27.92	58
1429	3739	33063(H)	79.9	60.4	35.9	5.70	2.36	2.41	SB	OC	4.0	28.74	22
1430	3740	33071(H)	81.8	73.0	69.7	5.60	2.47	2.26	SB	VOC	4.0	23.43	41
1431	3741	33075(H)	79.8	69.8	61.3	6.59	2.23	2.95	LB	VOC	5.0	28.21	27
1432	3742	33078(H)	78.9	67.4	53.5	6.96	2.13	3.26	LS	VOC	7.0	27.13	22
1433	3743	33079(H)	80.0	71.6	65.0	6.45	2.45	2.63	LB	VOC	5.0	25.93	56
1434	3744	RNR 28361 (LC)	77.3	68.5	60.0	6.68	2.19	2.05	LS	VOC	7.0	26.63	46
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernel length (mm) KB: Kernel Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernel length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL - IRRIGATED MEDIUM (IVT-IM)

Locations: 49

Test Entries: 61

Checks: Checks: National - NDR-359; Zonal - PR 121 Table: 6 (Northern), CR Dhan 300 (Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern), and Local check

Initial Variety Trial - Irrigated Medium (IM) was constituted with 61 test entries and 3 checks namely NDR-359 (National); PR 121 (Northern), CR Dhan 300 (Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern), zonal check and local check. The trial was sent to 49 locations however, data was not received from 5 locations namely Gerua (ICAR), Bilaspur, Tirur, Kathalgere, and Ponnampet. Data from Chatha and Kurumbapet is not considered based on monitoring report. Data from four centres were excluded from analysis viz., Kanpur, Prayagraj, Arundhutinagar and Brahmavar due to low experimental mean yield (<4000Kg/ha). Among the centres from which data is included in analysis, location-wise mean grain yield ranged from 3818 kg/ha (Lembucherra) to 6635 kg/ha (Warangal), while, CV ranged from 4.18% (Ragolu) to 19.69% (Lembucherra).

Zones	II	III	IV	V	VI	VII	Overall
Range : Zonal mean (Kg/ha)	2600 (IET 33517) - 5604 (IET 33515)	3685 (IET 33514)- 5820 (IET 33528)	2203 (IET 33514) – 6700 (IET 33507)	3335 (IET 33514) - 6446 (IET 33519)	3189 (IET 33554) - 5722 (Local check)	3949 (IET 33514) - 6719 (IET 33517)	3655 (IET 33514) – 5759 (IET 33515)
Exp Mean (Kg/ha)	4112 (NGN)- 4950 (PNT)	4158 (JYP)- 5657 (MLD)	3818 (LMB) - 5900 (TTB)	4396 (JDP) - 6106 (ABP)	4008 (NWG) - 4640 (KJT)	4437 (PTB) - 6035 (WGL)	5051
CV%	8.53 (KUL) – 16.8 (PNT)	6.37 (CHP) -15.83 (BKG)	5.36 (TTB)- 19.69 (LMB)	9.53 (WRS) – 16.39 (JDP).	9.73 (NVS) 13.02 (KJT)	4.18 (RGL) – 17.89 (PTB)	2.98
DFF	88 (IET 33514) - 130 (IET 33522)	93 (IET 33516) - 115 (IET 33522)	98 (IET 33514) - 120 (IET 33517)	89 (IET 33516) - 117 (IET 33522)	86 (IET 33514) - 112 (IET 33517, 33510 and 33554)	89 (IET 33514) - 114 (IET 33522, 33510)	91 (IET 33514)- 115 (IET 33522)
PH (cm)	79 (IET 33514)-130 (IET 33557)	83 (IET 33514)- 122 (IET 33554)	86 (IET 33514) - 133 (IET 33547)	86 (IET 33514) - 127 (IET 33512)	82 (IET 33514) - 147 (IET 33557)	74 (IET 33514) - 128 (IET 33553)	81 (IET 33514)- 126 (IET 33557)
Pan/m ²	213 (IET 33553)- 303 (IET 33518)	237 (IET 33552) to 303 (IET 33524)	210 (IET 33514) - 328 (IET 33535)	202 (IET 33501) - 306 (IET 33534)	195 (IET 33509) - 245 (IET 33523)	312 (IET 33543) to 379 (Local check)	264 (IET 33504 and IET 33545)- 310 (IET 33534)
DNI	Kanpur (Low mean yield)	Prayagraj (Low mean yield)	Arundhutinagar (Low mean yield)	--	-	Brahmavar (Low mean yield)	
Locations considered	4	11	2	6	4	11	38

(DNI- Data not included)

In IVT, two varietal entries (IET 33515 and IET 33519) recorded overall significant yield superiority over the best checks. Twenty one entries (IET 33503, IET 33505, IET 33507, IET 33509, IET 33510, IET 33511, IET 33517, IET 33518, IET 33519, IET 33528, IET 33529, IET 33534, IET 33537, IET 33539, IET 33540, IET 33547, IET 33548, IET 33549, IET

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33550, IET 33557, IET 33560) entries recorded required significant yield superiority over the national check and their yield performance is presented in the table.

Performance of the entries with required significant yield superiority over checks in IVT IM during *kharif* 2025 and DFF (101-110) days

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Promoted
	II	III	IV	V	VI	VII	
IET 33503 IET-25453 X IET-25459	--	5536/ 8*	--	--	--	--	III
IET 33505 ADT 36X PB1 MUTANT	--	--	6278/ 6*	--	--	--	IV
IET 33507 MTU1210/MTU 1224)/ RPBio 226	--	5496/ *	6700/ 1*	--	--	--	III, Not promoted in zone IV as DFF= 116
IET 33509 KNM 1638 X IET 23993// RNR 15048	--	--	5815/ 10*	--	--	--	Not promoted in zone IV as DFF= 114
IET 33510 BPT 3291/BPT 2411	--	--	5805/ *	--	--	--	Not promoted in zone IV as DFF= 116
IET 33511 MTU 3626 X NLR 3042	--	--	5835/ 9*	--	--	--	IV
IET 33517 MTU 1224/ MTU 1262	--	--	--	--	--	6719/ 1*	VII
IET 33518 MTU 1187/ MTU 1224	--	5609/ 5*	--	--	--	--	III
IET 33519 Rajendra Mahsuri-1 Mutant	--	5751/ 2*	--	6446/ 1*	--	--	III, V
IET 33528 TUNGA/CR-2711-76 (15-1-1-1-1-B)	--	5820/ 1*	--	--	--	--	III
IET 33529 PUSA44/PKF 5-13-1	--	5526/ 9*	--	--	--	--	III
IET 33534 OR 1977-6/IR62666-46	--	5684/ 4*	--	--	--	--	III
IET 33537 CR DHAN 307/ MTU 1010	--	--	5743/ *	--	--	--	IV
IET 33539 CR 3856-44-22-2-1-11-5-1/ CR 4121-1-4-1	--	--	6407/ 5*	6416/ 2*	--	--	IV, V
IET 33540 CR DHAN 312/ CR 4333-35-2-2-1	--	--	6270/ 7*	--	--	--	Not promoted in zone IV as DFF= 114
IET 33547 NAVEEN/ CR3783-3-2-1-1-1-2	--	5576/ 6*	6439/ 3*	--	--	--	III, IV
IET 33548 CRDHAN 308/ CR 3783-3-2-1-1-2-1-2	--	5501/ 10*	--	--	--	--	III
IET 33549 CR 3504-24-2-1-1-1-1/ CR DHAN305	--	5703/ 3*	--	--	--	--	III
IET 33550 HHZ-Y3-T10 X MTU1001	--	5540/ 7*	6435/ 4*	--	--	--	III, Not promoted in zone IV as DFF= 116
IET 33557 MUTANT LINE	--	--	5850/ 8*	--	--	--	IV Not promoted in zone IV as DFF= 114
IET 33560 pure line selection from JAYA	--	--	6483/ 2*	--	--	--	IV
NDR 359 (NC)	4974	4861	3934	5720	4115	6112	
CR Dhan 300 (ZC)	4961	4715	4948	5214	4416	5113	
Local Check	4934	5139	4565	5501	5722	6226	
CD	656	351	788	523	510	329	
BC+CD	5630	5490	5736	6243	6232	6555	

SUMMARY

INITIAL VARIETY TRIAL - Irrigated Medium (IVT - IM) - Kharif 2025

Locations: 49

Test entries: 61

Checks: NDR-359 (National); PR 121 (Northern), CR Dhan 300(Eastern and North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern), Zonal check and Local check

List of the entries promoted from IVT (IM) to AVT 1 (IM)

Zone II: None of the entries promoted

Zone III: IET 33503, IET 33507, IET 33518, IET 33519, IET 33528 , IET 33529, IET 33534, IET 33547, IET 33548, IET 33549, IET 33550

Zone IV: IET 33505, IET 33511, IET 33537, IET 33539, IET 33547, IET 33560

Zone V: IET 33519, IET 33539

Zone VI: None of the entries promoted

Zone VII: IET 33517

Table No. 6.1: Composition of entries in Initial Variety Trial – Irrigated Medium (IVT – IM), Kharif 2025

E.No.	IET No.	Designation	Cross Combination	GT
3801	33501	1325-120-1-2-3	Swarna/Jaya	LB
3802	33502	TRC 2025-11	GomatiXTripura Sarat	LS
3803	33503	NVSR-1576	IET-25453XIET-25459	LB
3804	33504	NVSR-1533	IET-24333XNVSR-381	LB
3805	33505	TJR-15	ADT36XPB 1 Mutant	MS
3806	33506	NWGR-21046	Gurjari x P-203/8-1-4-1-1-1	MS
3807	33507	RGL 7045 (RGL 2034-2-1-1)	MTU 1210/MTU 1224)/RP Bio 226	SB
3808	33508	BKR 475	LalatxPusa 1176	SB
3809	33509	KNM 12346	KNM 1638 X IET 23993//RNR 15048	MS
3810	33510	BPT 3454	BPT 3291/BPT 2411	LB
3811	33511	NLR 3962	MTU 3626 X NLR 3042	SG,MS
3812	33512	TM 15683	ADT 46/WGL 14	SB
3813	33513	UPR 4744-5-1-1-1	Pant Dhan11/Pant Dhan 24	LS
3814	33514	NDR 2025-CP-06	Saurabh/NDR 359	MS
3815	33515	R-IR 16A3667	Selection from HC 13482	LB
3816	33516	R 2419-515-1-309-1	Karma Mahsuri x IR 42342	MB
3817	33517	MTU 1453 (RM 438-21-2-1)	(MTU 1224/MTU 1262)	MS SG
3818	33518	MTU 1454 (MTU 2908-40-1-1-1)	MTU 1187/MTU 1224	MB SG
3819	33519	BRR 0308	Rajendra Mahsuri-1 mutant	MS
3820	33520	PAU 2K19-5976-7-58-1	[PR 121*3//PR121/RP2068]///[PR 122/O.nivara IRGC 104646//PR122]	LS
3821	33521	Pusa 5759-1-1-1-1-1-1	GA4 SPS 69-2/PRR 828	LS
3822	33522	AD 20756	AD 07302/CO 50	MS
3823	33523	JGL 47877	(WGL 915 X PTB 33) X JGL 24423	LS

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3824	33524	KNM 14282	BPT 5204 X MUT NS 1	MS
3825	33525	ORJ-1388	MTU 1001/Hiranmayee	LS
3826	33526	BRR-2242	BPT5204 X TI-128 (EMS Mutant of Sambha)	MS
3827	NDR 359 (National Check)			
3828	33527	BNKR 144-16-1	Dhiren/Narkel	MS
3829	33528	MSN-123	TUNGA/CR-2711-76(15-1-1-1-1-B)	MB
3830	33529	Pusa 2166-32-24	Pusa 44/PKF5-13-1	LB
3831	33530	MSAC 16-24-9	Swarna X Orufipogon-24	MS
3832	33531	MSAC 17-84-36-9	MSAC 17-84-36-9	MS
3833	33532	WGL-1942	Siddi/MIL 12//Siddi/BM 71	MS
3834	33533	GKTK-BC21-2-14/NIL (BC2F5:6)	PB1*2/Oryza glaberrima S.	MS
3835	33534	OR 2484-3	OR 1977-6/IR62666-46	MB
3836	33535	OR 2481-3	IR 64/Pratikshya//Pathara	MB
3837	33536	CR 6534-10-1-1-1-1	CR Dhan 312/ IET 29877//CR 4121-142-1	LB
3838	33537	CR 4379-4-3-1-1-5-1	CR Dhan 307/ MTU 1010	LB
3839	33538	984-4-5-1-1-1-1	Swarna/IET 25287	SB
3840	33539	CR 6548-1-1-1-1	CR 3856-44-22-2-1-11-5-1/CR 4121-1-4-1	SB
3841	33540	CR 4866-16-2-2-1	CR Dhan 312/CR 4333-35-2-2-1	MS
3842	33541	CRAC-3998-106-2	Doubled Haploid of 27P63	MB
3843	33542	CRAC-6467-45-1	Doubled Haploid of CRHR 150	MB
3844	33543	CR 6306-278-113-2	CR 3866-22-1/CR Dhan 307	MS
3845	33544	CR 4401-1-7-IR 117834-10-1 RGA-1 RGA-1 RGA-1 RGA 2	IR 84984-83-15-18-B-B- 93/3*ANJALI//IR 81896-B-B-195- 2/3*ANJALI	LS
3846	33545	CR 6526-4-1-1-1	Moti Gold/CR 6374-5-5-5	LB
3847	33546	CR 6528-2-1-1-1	CR 4121-149-1/IR 118292-4-785//IET 29877	SB
3848	33547	CR 6536 -3-1-2-2-1	Naveen/CR3783-3-2-1-1-1-1-2	MB
3849	33548	CR 6543 - 15-2-1-1-2	CR dhan 308/CR 3783-3-2-1-1-2-1-2	MS
3850	PR 121 (Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshayadhan (Western), Jaya (Southern) (ZC)			
3851	33549	CR 6537-1-1-3-3-1	CR 3504-24-2-1-1-1-1/CRDhan 305	MS
3852	33550	RNR 37906	HHZ-Y3-T10 X MTU 1001	LS
3853	33551	RNR 51249	{(ISM 390-4 X JGL 13595) X (HMT Sona X BPT Pi1, Pi2)}	MB
3854	33552	GNV 2264	IET 28694/GNV 18-64	LB
3855	33553	RP 6872-JBB 6728- PRKZ-AM1	DRR Dhan 54/IRGC 19642//DRR Dhan 44/Charongphou	LB
3856	33554	RP 6917 MSM-93-84	BPT-5204 X SM-93	SS
3857	33555	RP5508-KS2202-36	Swarna/IRGC8146//MTU1081	MB
3858	33556	RP 6819-15-1-4-2-1-1-B (IET 32455)	ACC-104785-6(O. RUFFI.)/SM///SONA	MS
3859	33557	Kejm-100-1	Mutant line	LS
3860	33558	RP6168-DB-SN32	Swarna/O.nivara ic336681	LB
3861	33559	IR19A9094	PR37464-31-3-2-2-2-3-1-B-5-1-1/IR13A107	LS
3862	33560	KAUPTB JS-2-1-30-2	Pureline selection from jaya	LB
3863	33561	JRASM-200-3-19-6 (AAU 200)	A Mutant line of rice variety Ranjit Sub-1	MS
3864	Local Check			

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Table No. 6.2: Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN								ZONE II - NORTHERN (4)		ZONE III - EASTERN	
		Haryana		Punjab		Uttarakhand		Uttar Pradesh		Mean		Bihar	
		Kaul		Ludhiana		Pantnagar		Nagina				Sabour	
3801	33501	7000	1*			5025		3285		5103	10	3428	
3802	33502	6600	7*	3458		5362		5824	3	5311	6	3260	
3803	33503	4700		4208		6869	2	4747		5131	9	4933	
3804	33504	3900		2889		5356		3384		3882		4308	
3805	33505	5750		4826		5500		2872		4737		4750	
3806	33506	5450		4049		4669		3624		4448		3139	
3807	33507	3250				4662		2972		3628		5880	3*
3808	33508	7000	1*	4736		5400		4807		5486	3	3548	
3809	33509	2800		4250		5762		3371		4046		4769	
3810	33510					3056		2979		3017		4452	
3811	33511			2826		2988		5366	5	3727		4404	
3812	33512	5150		4458		5269		4701		4894		5702	6*
3813	33513	6750	5*	3986		5375		4162		5068		4476	
3814	33514	6500	8*	2694		3700		4129		4256		1865	
3815	33515	6900	3*	5521	6	5775		4222		5604	1	4591	
3816	33516	6750	5*	4250		6300	8	4275		5394	4	3562	
3817	33517					2269		2932		2600		5000	
3818	33518					3156		3019		3087		5971	1*
3819	33519	4400		5972	1	6325	7	3996		5173	8	5928	2*
3820	33520	5000		4090		5788		3989		4717		4269	
3821	33521	5850		4806		4294		3371		4580		3817	
3822	33522					3581		3265		3423		2865	
3823	33523	5100		5819	2	6856	3	3537		5328	5	4409	
3824	33524	4800		4194		4738		5080	8	4703		4481	
3825	33525	4800		4875		5094		4235		4751		4481	
3826	33526	2400		3979		3450		3703		3383		3962	
3827	NDR 359 (NC)	5350		4493		6756	4	3298		4974		3899	
3828	33527	5550		3535		5496		3418		4500		4019	
3829	33528	3900		3181		5212		4016		4077		5788	5*
3830	33529	6000	10	5611	5	7156	1	3185		5488	2	4591	
3831	33530	6450	9*	4424		5000		5106	7	5245	7	3438	
3832	33531	5450		3104		5069		4661		4571		4418	
3833	33532	4250		4576		5350		4156		4583		4404	
3834	33533	4500		2729		4369		3531		3782		2351	
3835	33534	3100		4007		4750		4142		4000		4683	
3836	33535					3525		4428		3977		5236	
3837	33536					4416		3903		4160		5005	
3838	33537	5500		3328		5444		4169		4610		5269	10
3839	33538	4100		4028		6656	5	3105		4472		4962	
3840	33539					3754		4222		3988		4788	
3841	33540					4756		4322		4539		4971	
3842	33541	3050		4938	9	5410		4202		4400		4620	
3843	33542	5700		4993	8	3844		4302		4710		4154	
3844	33543					4878		4009		4443		4697	
3845	33544	6800	4*	3972		5174		4142		5022		3913	
3846	33545	4850		4625		5962	10	4249		4922		4841	
3847	33546	2600		3812		4000		4548		3740		5317	9
3848	33547	2450		2729		5150		4089		3605		5582	7*
3849	33548	2850		4222		4569		3531		3793		5471	8*
3850	ZC	3000		5785	4	5200		5858	2	4961		4457	
3851	33549			4688		5394		3803		4628		5832	4*
3852	33550			2778		4038		4960	10	3925		4995	
3853	33551	4100		3549		5869		5672	4	4797		3697	
3854	33552	4000		4549		4201		3305		4013		3918	
3855	33553	4250		2840		2775		5053	9	3730		2875	
3856	33554							4694		4694		3572	
3857	33555	4850		5229	7	4781		3504		4591		3567	
3858	33556	4250		4090		4456		3364		4040		4091	
3859	33557			4910	10	4312		5213	6	4812		4462	
3860	33558	4650		4535		6144	9	4422		4938		4062	
3861	33559	4700		4632		4856		4814		4751		4173	
3862	33560	5050		4590		5256		4641		4884		5067	
3863	33561	2400		2799		4885		5891	1	3994		4197	
3864	LC	4150		5819	2	6344	6	3424		4934		4712	
Experimental Mean		4774		4211		4950		4112		4450		4412	
CD(0.05)		819		1035		1662		851		656		739	
CV(%)		8.53		12.25		16.8		10.35		7.37		8.38	
F val		21.51**		6.06**		3.24**		6.57**		7.89**		10.7**	
DOS		09-06-2025		05-06-2025		10-06-2025		24-06-2025				20-06-2025	
DOP		15-07-2025		05-07-2025		05-07-2025		18-07-2025				09-07-2025	
Local Check Name		HKR 128		PR 131		Pant Dhan 4		Jaya				Sabour Harshit Dhan	

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar		Bihar (2)		Jharkhand		Odisha					
		Bikramganj (Dhangain)		Mean		Ranchi		NRRI		Bhubaneswar		Chiplima	
3801	33501	4744		4086		4455		6371		4062		5378	*
3802	33502	4863		4061		4145		5161		3688		4484	
3803	33503	4958		4946		4920		5523		6667	1	5947	6*
3804	33504	4571		4440		5350		3915		3812		5090	
3805	33505	3857		4304		5035		3956		5042		4824	
3806	33506	5375		4257		4200		4607		4958		4931	
3807	33507	2994		4437		5895		5910		6667	1	4920	
3808	33508	5506		4527		4660		4210		4625		6106	2*
3809	33509	2738		3754		4890		5091		5542	10	2771	
3810	33510	3923		4187		3910		5415		4583		4176	
3811	33511	2726		3565		4170		6399		4583		4500	
3812	33512	6435	4	6068	1	3855		5647		5208		5824	8*
3813	33513	6411	5	5443	6	4170		4716		5625	7		
3814	33514	3607		2736		3335		3651		4062		4654	
3815	33515	5786	10	5189		4745		6270		4479		4553	
3816	33516	4792		4177		3680		2470		4104		3601	
3817	33517	3851		4426		5920		6431		4375		5053	
3818	33518	3506		4739		5005		9415	1*	5208		4734	
3819	33519	4643		5285	7	6325	3	6364		5938	4	5559	*
3820	33520	6179	7	5224	9	4600		5282		4688		6064	4*
3821	33521	3952		3885		4340		5256		4271		5027	
3822	33522	2423		2644		4890		8517	2*	5125		2803	
3823	33523	3911		4160		4830		5204		4583		4734	
3824	33524	3101		3791		3940		5851		5312		4484	
3825	33525	6863	3	5672	5	3940		6516	10	4208		5851	7*
3826	33526	2786		3374		3915		5515		2917		5404	*
3827	NDR 359 (NC)	6250	6	5075		5410		5044		4479		3261	
3828	33527	4131		4075		4860		5280		5000		4090	
3829	33528	3798		4793		6330	2	6012		4917		4867	
3830	33529	7036	2	5814	4	4685		5421		3750		6032	5*
3831	33530	4821		4129		3770		4348		3417		6080	3*
3832	33531	4042		4230		4200		4590		3542		5590	*
3833	33532	5982	9	5193	10	3450		4833		5604	9	5473	*
3834	33533	2667		2509		3710		4639		3021		4133	
3835	33534	4720		4701		6240	6	6038		5625	7	5691	10*
3836	33535	3536		4386		6210	7	4774		3229		5085	
3837	33536	2286		3645		5005		7024	5	4792		6250	1*
3838	33537	4976		5123		5065		5588		5417		5755	9*
3839	33538			4962		5465		3519		4542		4941	
3840	33539	3101		3945		6100	10	5071		5208		5617	*
3841	33540	2726		3849		6095		6748	7	4229		2856	
3842	33541	3994		4307		4660		4077		3896		3479	
3843	33542	3768		3961		5520		5179		3958		3287	
3844	33543			4697		3220		6387				4574	
3845	33544	3524		3719		3280		4738		4167		5016	
3846	33545	3917		4379		4690		6272		4479		3814	
3847	33546	3464		4391		6210	7	6272		4688		4559	
3848	33547	4988		5285	8	6385	1	6569	8	5417		5309	*
3849	33548	3000		4236		6185	9	6522	9	4750		4495	
3850	ZC	3917		4187		6325	3	4482		4688		4218	
3851	33549	6095	8	5963	2	4915		5887		5312		5351	*
3852	33550	2935		3965		6300	5	7284	3	5417		3968	
3853	33551	5024		4360		3565		4887				3234	
3854	33552	4238		4078		3510		3097				3255	
3855	33553	4619		3747		5090		6367		4062		5585	*
3856	33554	3631		3602		3220		7107	4			3745	
3857	33555	4964		4266		3940		3492		3333		5452	*
3858	33556	4226		4159		3710		4969		4479		3511	
3859	33557	4649		4555		4975		5325		4062		5670	*
3860	33558	5000		4531		5495		4492		6250	3		
3861	33559	5179		4676		5035		6319		5646	6	5495	*
3862	33560	3571		4319		5065		5623		2812		5543	*
3863	33561	3655		3926		4025		5363		4479		3649	
3864	LC	7095	1	5903	3	4660		6788	6	5854	5	4601	
Experimental Mean		4355		4391		4776		5470		4648		4758	
CD(0.05)		1379		803		700		1473		1179		606	
CV(%)		15.83		9.15		7.34		13.48		12.67		6.37	
F val		6.09**		6.72**		14.21**		5.35**		4.34**		18.91**	
DOS		20-06-2025				27-06-2025		12-06-2025		12-07-2025		15-07-2025	
DOP		20-07-2025				17-07-2025		12-07-2025		12-08-2025		04-08-2025	
Local Check Name		Sabour Mahsuri				Lalat		CR Dhan 319		Pratikshya		MTU-1156	

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN													
		Odisha		Odisha (4)		Uttar Pradesh		West Bengal					West Bengal (3)		
		Jeypore	Mean		Mean	Masodha		Malda		chinsurah		Bankura		Mean	
3801	33501	4375		5047		4588		6367		4951		4525		5281	
3802	33502	2676		4002		4987		4961		6375	7	4358		5231	
3803	33503	4002		5534	9	5319		6139		5389		7100	8*	6209	9*
3804	33504	3736		4138		5193		5172		4194		7550	3*	5639	
3805	33505	5869		4923		6117	8	6867		5194		6008		6023	
3806	33506	2136		4158		6117	8	3828		6472	5	5050		5117	
3807	33507	4369		5466		5093		6378		6042		6308		6243	8*
3808	33508	5793		5184		5193		3533		5486		4450		4490	
3809	33509	3696		4275		5851		6700		6660	3	4358		5906	
3810	33510	3410		4396		5785		3233		5611		7375	5*	5406	
3811	33511	4094		4894		5851		5183		6444	6	6850	10*	6159	10
3812	33512	3051		4933		5851		6694		6361	8	5017		6024	
3813	33513	4361		4901		5452		5356		4521		4675		4850	
3814	33514	1435		3451		5186		3461		3764		5508		4244	
3815	33515	4390		4923		5718		6928	10	6188		6600		6572	3*
3816	33516	2708		3221		4388		3911		4722		3700		4111	
3817	33517	2674		4633		5386		5628		7271	1*	5033		5977	
3818	33518	4864		6055	2*	6184	5	5667		5424		5717		5602	
3819	33519	5701		5890	3	5452		7656	2	6042		3658		5785	
3820	33520	3668		4925		5053		6494		5375		7875	1*	6581	2*
3821	33521	5778		5083		5785		6683		4653		4908		5415	
3822	33522	2340		4696		4654		3767		4951		3525		4081	
3823	33523	6265	7*	5197		6130	6	7000	8	5285		4767		5684	
3824	33524	4890		5135		5053		5544		5375		6692		5870	
3825	33525	2560		4784		5918		6394		5694		7392	4*	6494	5*
3826	33526	1765		3900		6051		4750		4958		7083	9*	5597	
3827	NDR 359 (NC)	3373		4039		5186		6967	9	5410		4192		5523	
3828	33527	4883		4813		6862	1*	5639		5986		5167		5597	
3829	33528	6596	3*	5598	7	6117	7	6739		7000	2*	5858		6532	4*
3830	33529	4355		4889		6051		7206	4	5562		6100		6289	7*
3831	33530	3165		4252		5133		5694		5931		5433		5686	
3832	33531	2488		4053		5652		5000		5438		4367		4935	
3833	33532	2807		4680		5133		6378		5271		4475		5375	
3834	33533	2921		3678		4721		2856		5111		5600		4522	
3835	33534	7378	1*	6183	1*	5519		6050		4417		6167		5544	
3836	33535	4707		4449		5465		7722	1	6229	10	7175	6*	7042	1*
3837	33536	3225		5323		5685		6406		5583		5308		5766	
3838	33537	6378	5*	5785	4	5745		5783		5410		4342		5178	
3839	33538	3363		4091		5120		7089	6	5174		3550		5271	
3840	33539	3702		4900		6383	3	6050		5250		3483		4928	
3841	33540	4463		4574		5452		7389	3	5083		5050		5841	
3842	33541	2363		3454		6084		5267		5125		6708		5700	
3843	33542	3154		3895		6277	4	5767		5264		5742		5591	
3844	33543	3321		4761		5053		6189		4014		6625		5609	
3845	33544	3323		4311		5585		5472		5694		4150		5106	
3846	33545	7110	2*	5419		4987		5767		5750		3758		5092	
3847	33546	6219	8*	5434		5625		5928		5486		4083		5166	
3848	33547	5179		5618	6	5525		7022	7	5417		3942		5460	
3849	33548	6525	4*	5573	8	5253		7167	5	6236	9	4908		6104	
3850	ZC	5145		4633		4747		2944		5438		5500		4627	
3851	33549	4116		5167		6622	2*	6406		5924		6567		6299	6*
3852	33550	6281	6*	5737	5	5632		5556		6542	4	6033		6044	
3853	33551	6125	10*	4749		5359		5756		5326		4825		5302	
3854	33552	6164	9*	4172		6104	10	4489		4840		6675		5335	
3855	33553	4978		5248		4621		5789		5743		6783	*	6105	
3856	33554	5670		5507	10	5352		4972		5007		3983		4654	
3857	33555	3738		4004		4568		6183		5264		5675		5707	
3858	33556	2415		3844		5785		6322		5396		5592		5770	
3859	33557	1955		4253		5219		5300		5535		5425		5420	
3860	33558	3363		4702		5319		5533		4354		4692		4860	
3861	33559	3705		5291		5519		5794		5382		4108		5095	
3862	33560	1810		3947		5625		3728		5938		7708	2*	5791	
3863	33561	4514		4501		5326		4389		5771		7142	7*	5767	
3864	LC	4551		5448		5286		3044		3979		5958		4327	
Experimental Mean		4158		4761		5501		5657		5464		5452		5524	
CD(0.05)		767		516		1147		1461		1427		757		679	
CV(%)		9.23		5.42		10.44		12.92		13.07		6.95		6.15	
F val		29.35**		13.82**		1.62*		5.55**		1.93**		20.37**		6.94**	
DOS		03-07-2025				27-06-2025		23-06-2025		20-06-2025		23-06-2025			
DOP		08-08-2025				04-08-2025		21-07-2025		29-07-2025		06-08-2025			
Local Check Name		Kalinga Dhan 1203				NDR 2065		Rajdeep		Koushalya		Lalat			

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN (11)		ZONE IV - NORTH EASTERN				ZONE IV - NORTH EASTERN (2)		ZONE V - CENTRAL			
				Assam		Tripura		EASTERN (2)		Chhattisgarh			
		Mean		Titabar		Lembucherra		Mean		Ambikhapur		Jagadalpur	
3801	33501	4840		7423	8*	2756		5089		6044		4050	
3802	33502	4451		4812		4244		4528		6294		2981	
3803	33503	5536	8*	5598		4378		4988		5578		3750	
3804	33504	4808		3288		2806		3047		7806	2	4031	
3805	33505	5229		6912		5644	2*	6278	6*	5278		3975	
3806	33506	4619		3137		3289		3213		4617		3081	
3807	33507	5496	*	9005	1*	4394		6700	1*	6056		4819	
3808	33508	4828		3540		3006		3273		5917		3450	
3809	33509	4824		7674	4*	3956		5815	10*	5639		4688	
3810	33510	4716		6966		4644		5805	*	4833		3975	
3811	33511	5019		6954		4717	10	5835	9*	5639		5019	
3812	33512	5422		6921		4367		5644		7500	5	4338	
3813	33513	4976		5854		4083		4968		7311	7	5353	
3814	33514	3685		2395		2011		2203		4500		3044	
3815	33515	5477		5402		3183		4293		7300	8	6025	2
3816	33516	3785		5770		3006		4388		7861	1	3219	
3817	33517	5147		6196		4083		5140		6556		4594	
3818	33518	5609	5*	6871		4233		5552		6500		4775	
3819	33519	5751	2*	7151		3917		5534		7233	10	5622	7
3820	33520	5413		4782		3356		4069		5722		3822	
3821	33521	4952		5109		4633		4871		5650		4550	
3822	33522	4169		5302		3878		4590		4833		3744	
3823	33523	5193		6213		4911	6	5562		6844		4506	
3824	33524	4975		6640		3294		4967		5517		5425	9
3825	33525	5438		6967		3517		5242		7611	4	3894	
3826	33526	4464		5828		3361		4595		5378		3238	
3827	NDR 359 (NC)	4861		5473		2394		3934		6561		6741	1
3828	33527	5083		4146		1856		3001		5883		3878	
3829	33528	5820	1*	6557		4428		5492		6689		5797	4
3830	33529	5526	9*	4786		5494	4*	5140		6078		5653	5
3831	33530	4657		4473		4694		4584		6317		4703	
3832	33531	4484		5126		2028		3577		6183		4097	
3833	33532	4892		6523		3628		5076		5300		3062	
3834	33533	3794		3515		1950		2732		4589		3447	
3835	33534	5684	4*	7606	6*	2294		4950		6861		4662	
3836	33535	5397		7347	9*	3894		5621		6361		4897	
3837	33536	5143		6908		3361		5135		4961		4778	
3838	33537	5430		6791		4694		5743	*	6561		5634	6
3839	33538	4772		4527		2828		3678		6044		3462	
3840	33539	4978		7908	3*	4906	7	6407	5*	6678		5381	10
3841	33540	5006		8168	2*	4372		6270	7*	7244	9	3338	
3842	33541	4570		4937		3572		4255		4567		3266	
3843	33542	4734		5508		3839		4673		5722		4716	
3844	33543	4898		7648	5*	3306		5477		5856		3869	
3845	33544	4442		4168		4906	7	4537		6233		4616	
3846	33545	5035		5075		3306		4190		7389	6	3884	
3847	33546	5259		5397		4372		4885		6167		5519	8
3848	33547	5576	6*	7439	7*	5439	5*	6439	3*	4483		3138	
3849	33548	5501	10*	6117		3306		4711		5917		4112	
3850	ZC	4715		6569		3328		4948		6500		4128	
3851	33549	5730	3*	6218		3439		4828		6172		4797	
3852	33550	5540	7*	7297	10*	5572	3*	6435	4*	6294		5944	3
3853	33551	4780		5356		3150		4253		6250		4691	
3854	33552	4629		6063		3706		4884		6400		5131	
3855	33553	5138		5146		3917		4532		5128		3209	
3856	33554	4626		5925		4367		5146		5072		3956	
3857	33555	4562		3284		3894		3589		6172		5288	
3858	33556	4591		5126		4644		4885		5806		4684	
3859	33557	4780		6900		4800	9	5850	8*	6261		4556	
3860	33558	4856		4410		3878		4144		6961		4816	
3861	33559	5123		6866		2861		4863		6100		4553	
3862	33560	4772		7293	*	5672	1*	6483	2*	5806		5084	
3863	33561	4774		6937		2850		4894		5461		3497	
3864	LC	5139		5368		3761		4565		7722	3	4375	
Experimental Mean		4971		5900		3818		4859		6106		4396	
CD(0.05)		351		632		1502		788		1305		1440	
CV(%)		3.54		5.36		19.69		8.11		10.7		16.39	
F val		14.25**		38.09**		3.08**		11.97**		3.46**		2.9**	
DOS				25-06-2025		09-07-2025				03-07-2025		18-06-2025	
DOP				25-07-2025		02-08-2025				30-07-2025		23-07-2025	
Local Check Name				Numali		Hackuchuk-2				IGKVR 1244		IGKVR 1244	

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL											
		Chhattisgarh		Chhattisgarh (3)		Maharashtra			Maharashtra (2)		Madhya Pradesh		
		Raipur		Mean		Sakoli		Sindewahi	Mean		Waraseoni		
3801	33501	4293		4796		3000		4197		3599		5507	
3802	33502	3641		4305		5200		4165		4682		4499	
3803	33503	6187	7	5172		5150		4534		4842		6521	
3804	33504	6734	2	6190	4	4800		4919		4860		5205	
3805	33505	5156		4803		4200		4094		4147		5777	
3806	33506	3334		3677		4200		3210		3705		4660	
3807	33507	4832		5235		4175		7244	1*	5710	4	5899	
3808	33508	3825		4397		3900		3469		3684		6046	
3809	33509	6190	6	5506		4350		4609		4480		5379	
3810	33510	4175		4328		3000		5859	4	4430		4621	
3811	33511	3306		4654		5150		5599	6	5375		5013	
3812	33512	5740	10	5859	8	5700		3734		4717		6207	
3813	33513	3496		5387		4850		3494		4172		6001	
3814	33514	3075		3540		3000		3599		3300		2792	
3815	33515	5509		6278	3	5100		4999		5050		8370	1*
3816	33516	6722	3	5934	7	4950		3778		4364		5963	
3817	33517	4484		5211		6600	5	4984		5792	3	7766	4*
3818	33518	5731		5669		5550		5564	7	5557	8	4923	
3819	33519	5210		6022	5	6400	6	6784	2*	6592	1*	7426	8
3820	33520	4156		4567		4050		5547	9	4798		4756	
3821	33521	5120		5107		6350	7	4229		5290		5090	
3822	33522	3083		3887		4500		5415		4957		5834	
3823	33523	5720		5690		7000	1	4024		5512	9	5558	
3824	33524	3814		4919		5900		3884		4892		3896	
3825	33525	4727		5411		4800		4185		4492		5436	
3826	33526	3906		4174		6000		3754		4877		5096	
3827	NDR 359 (NC)	6334	4	6545	1	4700		4839		4770		5148	
3828	33527	5503		5088		5100		5554	8	5327		4377	
3829	33528	5574		6020	6	6750	2	4024		5387		7099	9
3830	33529	5641		5791	9	5050		4734		4892		6130	
3831	33530	4000		5007		5850		3525		4687		4974	
3832	33531	4286		4856		5600		4154		4877		4801	
3833	33532	3945		4102		6150		3964		5057		6656	
3834	33533	3240		3758		3300		3609		3455		2843	
3835	33534	5437		5653		4800		4310		4555		6759	
3836	33535	5063		5440		5500		3830		4665		7035	10
3837	33536	4296		4678		5125		5539	10	5332		6874	
3838	33537	4164		5453		5950		5334		5642	5	7728	5*
3839	33538	5419		4975		6650	4	3559		5104		7831	3*
3840	33539	6786	1	6282	2	6100		6079	3	6089	2	7471	7
3841	33540	5568		5383		4800		4197		4499		6765	
3842	33541	3874		3902		4750		4638		4694		4435	
3843	33542	3802		4747		4225		3389		3807		5828	
3844	33543	5449		5058		6700	3	4310		5505	10	6309	
3845	33544	5162		5337		6300	8	4335		5317		5822	
3846	33545	3715		4996		4200		3335		3767		4942	
3847	33546	3616		5100		5750		4649		5200		5956	
3848	33547	4618		4079		4450		4174		4312		5173	
3849	33548	4257		4762		6300	8	4179		5239		5745	
3850	ZC	3792		4807		5850		4418		5134		6598	
3851	33549	6310	5	5760	10	5700		5519		5610	6	8055	2*
3852	33550	4211		5483		6250	10	4503		5376		7696	6*
3853	33551	3831		4924		4350		3265		3807		5103	
3854	33552	4471		5334		4750		4404		4577		4493	
3855	33553	5642		4660		4650		5614	5	5132		6033	
3856	33554	3592		4207		3250		4974		4112		4859	
3857	33555	4013		5158		5900		5289		5595	7	4673	
3858	33556	4028		4839		4450		3169		3810		4140	
3859	33557	4633		5150		5750		4269		5010		6720	
3860	33558	5201		5659		5450		4064		4757		5135	
3861	33559	5851	8	5501		5100		3494		4297		6996	
3862	33560	5742	9	5544		4150		5179		4664		5000	
3863	33561	3664		4207		4450		3680		4065		4981	
3864	LC	4490		5529		5750		4879		5315		5789	
Experimental Mean		4709		5070		5121		4482		4802		5738	
CD(0.05)		1272		801		1247		1277		881		1093	
CV(%)		13.52		7.91		12.18		14.26		9.18		9.53	
F val		4.92**		5.85**		4.97**		3.74**		4.68**		9.49**	
DOS		20-06-2025				23-06-2025		16-06-2025				24-06-2025	
DOP		18-07-2025				19-07-2025		16-07-2025				18-07-2025	
Local Check Name		Indira Maheshwari				PDKV Kisan		SYE-2001				JR 10	

Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL (6)		ZONE VI - WESTERN											
		Mean		Gujarat				Gujarat (2)		Maharashtra				Maharashtra (2)	
				Navasari		Nawagam		Mean		Shirgaon		Karjat		Mean	
3801	33501	4515		5746	3	4055		4900	7	3602		5466		4534	
3802	33502	4463		4674		3647		4161		3778		4678		4228	
3803	33503	5287		5062	9	3015		4039		3556		3562		3559	
3804	33504	5582		4280		4579		4430		3787		5440		4613	
3805	33505	4747		4702		3203		3952		2537		6831	5*	4684	
3806	33506	3850		3269		3336		3302		3917		3948		3932	
3807	33507	5504		4675		3930		4302		4287		6433	10	5360	9
3808	33508	4434		4582		3775		4178		5296		3561		4429	
3809	33509	5142		3228		3160		3194		4111		4364		4238	
3810	33510	4411		2617		3633		3125		3731		3104		3418	
3811	33511	4954		4696		3446		4071		4611		3256		3933	
3812	33512	5536		4587		5461	3	5024	6	4111		6059		5085	
3813	33513	5084		3409		3830		3620		6065	4	3696		4880	
3814	33514	3335		3566		3803		3685		2778		3325		3052	
3815	33515	6217	3	4557		4532		4544	10	5713	7	4974		5343	
3816	33516	5415		4245		4291		4268		3778		4735		4256	
3817	33517	5831	7	6939	1*	4032		5486	2	5444		5253		5349	10
3818	33518	5507		4135		4111		4123		5824	6	7612	2*	6718	1*
3819	33519	6446	1*	3677		3742		3709		5509		3905		4707	
3820	33520	4676		5262	7	3642		4452		3398		7086	4*	5242	
3821	33521	5165		5213	8	4522		4867	8	2667		3213		2940	
3822	33522	4568		4195		2953		3574		6083	3	3813		4948	
3823	33523	5609	10	3339		5864	2	4602	9	4843		4904		4873	
3824	33524	4739		3287		4896	9	4091		3917		4240		4078	
3825	33525	5109		3564		5212	6	4388		6287	1	6488	9	6388	2*
3826	33526	4562		3409		5325	4	4367		3306		3031		3168	
3827	NDR 359 (NC)	5720	9	4114		2991		3552		4028		5326		4677	
3828	33527	5049		3718		3741		3729		4130		6681	6	5405	7
3829	33528	5989	5	4467		4583		4525		4222		3624		3923	
3830	33529	5548		3706		5042	7	4374		4213		6539	8	5376	8
3831	33530	4895		3450		4731		4091		6139	2	4218		5179	
3832	33531	4854		3491		4679		4085		3806		5390		4598	
3833	33532	4846		3527		4801		4164		4130		3716		3923	
3834	33533	3505		3762		3272		3517		5611	9	3816		4713	
3835	33534	5471		4745		2756		3750		4500		4342		4421	
3836	33535	5448		5419	5	4734		5076	5	3556		4111		3833	
3837	33536	5262		4103		4846	10	4474		3602		5354		4478	
3838	33537	5895	6	3607		3632		3620		4787		4530		4658	
3839	33538	5494		6258	2	4207		5232	3	2991		4843		3917	
3840	33539	6416	2*	3456		4623		4039		4685		5125		4905	
3841	33540	5319		4811		4032		4421		5519	10	4167		4843	
3842	33541	4255		4120		3003		3562		2417		3489		2953	
3843	33542	4614		4202		3647		3924		3889		3130		3510	
3844	33543	5415				3280		3280		3639		2974		3306	
3845	33544	5411		4167		4757		4462		2824		4223		3524	
3846	33545	4578		4001		3536		3768		3037		4238		3638	
3847	33546	5276		4726		3281		4003		3944		7665	1*	5805	4
3848	33547	4339		4994		5258	5	5126	4	5380		3963		4671	
3849	33548	5085		5000	10	3829		4414		4796		6639	7	5718	5
3850	ZC	5214		3922		3429		3675		5963	5	4350		5156	
3851	33549	6092	4	4073		5014	8	4544		4546		4108		4327	
3852	33550	5816	8	5280	6	2991		4135		5380		7262	3*	6321	3*
3853	33551	4582		3502		3745		3623		2685		3324		3005	
3854	33552	4942		3421		3941		3681		3509		5271		4390	
3855	33553	5046		4256		3701		3979		5269		3855		4562	
3856	33554	4284		3317		2289		2803		4435		2715		3575	
3857	33555	5222		3596		3397		3496		3407		3576		3492	
3858	33556	4379		3453		3571		3512		3731		3489		3610	
3859	33557	5365		4628		2907		3768		3907		5493		4700	
3860	33558	5271		4656		3143		3899		2611		4951		3781	
3861	33559	5349		4108		4343		4225		4139		3118		3628	
3862	33560	5160		3380		4834		4107		3296		5031		4164	
3863	33561	4289		3491		4012		3751		3667		3797		3732	
3864	LC	5501		5705	4	5951	1	5828	1	5667	8	5565		5616	6
Experimental Mean		5092		4215		4008		4104		4234		4640		4437	
CD(0.05)		523		820		1036		699		877		1208		695	
CV(%)		5.14		9.73		12.93		8.52		10.37		13.02		7.83	
F val		11.62**		7.95**		4.79**		5.43**		10.89**		8.71**		12.31**	
DOS				18-06-2025		27-06-2025				19-06-2025		17-06-2025			
DOP				09-07-2025		05-08-2025				17-07-2025		12-07-2025			
Local Check Name				GR-25		GR 25				Ratnagiri 6		Karjat 5			

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN (4)		ZONE VII - SOUTHERN									
				Andhra Pradesh			Andhra Pradesh (2)		Karnataka				
		Mean		Ragolu		Maruteru		Mean		Mugad		Mandya	
3801	33501	4717		7322	*	6700		7011		8286	1	6458	6
3802	33502	4194		8148	7*	5395		6772		5042		4310	
3803	33503	3799		6709		5526		6117		5833		7227	2
3804	33504	4522		6396		3800		5098		5562		5927	
3805	33505	4318		6432		7275		6853		6079		5963	
3806	33506	3617		7251	*	4675		5963		4733		2162	
3807	33507	4831		5228		7225		6226		5509		6178	7
3808	33508	4304		6724		6225		6474		5685		3649	
3809	33509	3716		6510		7376	9	6943		6006		5898	
3810	33510	3271		6410		7625	5	7018		6262		4612	
3811	33511	4002		5776		7200		6488		5842		5539	
3812	33512	5055	7	5142		4150		4646		6760	8	4641	
3813	33513	4250		6667		6875		6771		6227		5510	
3814	33514	3368		5541		1726		3634		6340		1918	
3815	33515	4944	8	8497	1*	5876		7186	10	6303		4346	
3816	33516	4262		5064		3175		4119		6715	10	2866	
3817	33517	5417	3	6026		7525	7	6775		6026		6042	
3818	33518	5420	2	5057		7200		6129		5964		5668	
3819	33519	4208		8248	2*	6825		7537	6*	5189		4310	
3820	33520	4847		7550	*	6451		7000		6602		5826	
3821	33521	3904		8105	8*	7375	10	7740	3*	6173		4533	
3822	33522	4261		5328		6300		5814		4899		3384	
3823	33523	4738		5135		4925		5030		5231		5007	
3824	33524	4085		7208	*	6175		6691		5612		5093	
3825	33525	5388	4	7272	*	7250		7261	9	5233		7234	1
3826	33526	3768		7450	*	7575	6	7513	7*	4814		2141	
3827	NDR 359 (NC)	4115		6168		7300		6734		7456	2	6832	4
3828	33527	4567		5919		6625		6272		6024		5718	
3829	33528	4224		8248	2*	7200		7724	4*	6381		4856	
3830	33529	4875		8105	8*	6250		7178		7335	3	5438	
3831	33530	4635		6517		3925		5221		6739	9	4411	
3832	33531	4341		6595		3875		5235		7176	4	4303	
3833	33532	4044		5940		4050		4995		4773		1293	
3834	33533	4115		5328		4700		5014		4590		3736	
3835	33534	4086		5207		7525	7	6366		6014		6164	8
3836	33535	4455		5128		5049		5089		5840		3657	
3837	33536	4476		5442		7049		6245		7074	5	4662	
3838	33537	4139		7984	*	4775		6380		5020		4871	
3839	33538	4575		6353		5600		5976		5452		6013	
3840	33539	4472		5107		7700	2	6404		6776	7	6932	3
3841	33540	4632		8170	5*	7750	1	7960	1*	5311		4921	
3842	33541	3257		5534		7226		6380		4947		5244	
3843	33542	3717		6282		3876		5079		5738		4533	
3844	33543	3298		8198	4*	6750		7474	8*	5204		4052	
3845	33544	3993		7101		3800		5450		6843	6	2299	
3846	33545	3703		7999	*	5625		6812		6084		5402	
3847	33546	4904	9	5064		4660		4862		5886		4986	
3848	33547	4899	10	5050		6675		5862		6343		1954	
3849	33548	5066	6	5335		5615		5475		6074		4670	
3850	ZC	4416		6382		5375		5878		5617		3829	
3851	33549	4435		7208	*	4850		6029		5345		6063	10
3852	33550	5228	5	5363		3800		4582		6592		6703	5
3853	33551	3314		5969		4275		5122		6177		2967	
3854	33552	4035		5228		4725		4976		4880		6070	9
3855	33553	4270		8091	10*	4675		6383		4653		4361	
3856	33554	3189		7101		5200		6151		5383		5618	
3857	33555	3494		7293	*	4175		5734		6056		5934	
3858	33556	3561		6952		5725		6338		5033		3822	
3859	33557	4234		8170	5*	7700	2	7935	2*	6005		5474	
3860	33558	3840		5484		5496		5490		5626		4749	
3861	33559	3927		7685	*	7675	4	7680	5*	4613		3247	
3862	33560	4135		6745		4101		5423		5356		4440	
3863	33561	3741		5242		2475		3859		5045		5079	
3864	LC	5722	1	6617		6175		6396		4586		5812	
Experimental Mean		4271		6523		5757		6140		5828		4806	
CD(0.05)		510		544		986		564		1383		1123	
CV(%)		5.98		4.18		8.57		4.6		11.88		11.69	
F val		10.47**		32.08**		18**		25.83**		2.6**		11.8**	
DOS				02-07-2026		06-07-2025				04-07-2025		07-07-2025	
DOP				28-07-2025		02-08-2025				19-07-2025		01-08-2025	
Local Check Name				MTU 1121		MTU 1239				PSB-68		BR-2655	

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN													
		Karnataka (2)		Kerala		Puducherry		Telangana				Telangana		Telangana (3)	
		Mean		Pattambi		Karaikal		Jagtial		Rajendranagar		Warangal		Mean	
3801	33501	7372	1	4253		5017		4219		5549		8086	5	5952	
3802	33502	4676		4584		6600	5	4568		3668		5086		4441	
3803	33503	6530	5	4928		4967		5544		7972	5	7901	8	7139	6
3804	33504	5745		4296		6683	3	3682		4551		7556		5263	
3805	33505	6021		4395				3996		6383		6944		5774	
3806	33506	3448		3452		5033		3605		4281		6926		4937	
3807	33507	5844		4938		4867		4965		7537	6	8654	2	7052	7
3808	33508	4667		4312		6650	4	4484		5435		6444		5454	
3809	33509	5952		4222		5317		4247		5531		7988	7	5922	
3810	33510	5437		3953		5233		2768		4341		7796		4968	
3811	33511	5690		4861		5483		3884		6351		7438		5891	
3812	33512	5700		3873		5333		5718		6300		6352		6124	
3813	33513	5869		4426		5417		5565		6049		7549		6388	
3814	33514	4129		3270		4717		3445		1204		2877		2509	
3815	33515	5325		4864		6533	9	8326	1	6598		8735	1	7886	2*
3816	33516	4790		4730		5317		4644		4583		6130		5119	
3817	33517	6034	10	5392	9	4817		6729	3	9959	1*	7815		8168	1*
3818	33518	5816		5665	4	6100		3912		6255		6907		5691	
3819	33519	4749		5504	6	5217		6625	4	7280	9	7901	8	7269	4
3820	33520	6214	8	4210		6517	10	3319		4977		7463		5253	
3821	33521	5353		4434		6133		5593		6122		6914		6209	
3822	33522	4141		3473		4933		3801		6099		3457		4452	
3823	33523	5119		4146		5167		5112		5568		7407		6029	
3824	33524	5353		5070		4033		3543		5398		7494		5478	
3825	33525	6234	7	4537		6467		5418		7244		4636		5766	
3826	33526	3477		4540		4267		5732		6951		7827		6837	9
3827	NDR 359 (NC)	7144	2	3950		6917	2	4805		7102		6901		6269	
3828	33527	5871		3762		5183		4826		5975		7383		6061	
3829	33528	5619		5823	2	5917		5962	10	8352	3	6444		6919	8
3830	33529	6387	6	4830		6467		5851		5604		6549		6002	
3831	33530	5575		4459		5217		6109	8	5398		6716		6074	
3832	33531	5739		4872		6333		6123	7	5536		6932		6197	
3833	33532	3033		5780	3	5733		6423	5	5586		6951		6320	
3834	33533	4163		4318		6183		4365		4560		3475		4134	
3835	33534	6089	9	5350	10	6367		4275		6255		7327		5952	
3836	33535	4748		3318		6283		3459		7143		7327		5976	
3837	33536	5868		4044		5800		4686		5192		7698		5859	
3838	33537	4945		3596		6567	6	6388	6	6552		6235		6392	
3839	33538	5732		3471		6550	7	5614		8782	2*	7444		7280	3
3840	33539	6854	3	5982	1	4483		4484		7477	7	8148	4	6703	
3841	33540	5116		4894		5217		3236		6662		8019	6	5972	
3842	33541	5096		3830		5183		4568		7257	10	7358		6394	
3843	33542	5135		3749		5350		5844		5971		6988		6267	
3844	33543	4628		3020				5621		6346		7833	10	6600	
3845	33544	4571		3448		6550	7	5927		4565		3340		4611	
3846	33545	5743		3858		6300		4351		5769		6315		5479	
3847	33546	5436		4259		5417		4777		6625		7375		5046	
3848	33547	4148		4042		4250		4393		6525		4562		5160	
3849	33548	5372		4738		4867		4491		6941		6957		6130	
3850	ZC	4723		3969		4600		3933		5774		6105		5271	
3851	33549	5704		3636		5317		6011	9	6026		3815		5284	
3852	33550	6647	4	4888		5800		4777		8283	4	8463	3	7174	5
3853	33551	4572		3448		5067		4881		5005		5642		5176	
3854	33552	5475		4012		5383		4616		6108		5623		5449	
3855	33553	4507		5630	5	5333		4477		6181		3543		4734	
3856	33554	5500		5250		6500		3480		4872		7309		5220	
3857	33555	5995		4767		5500		5481		5284		6167		5644	
3858	33556	4428		4812		5900		3877		5238		6278		5131	
3859	33557	5739		3611		5183		4184		7367	8	6111		5887	
3860	33558	5187		4510		4867		4596		5398		6253		5416	
3861	33559	3930		3890		5917		5788		4647		6914		5783	
3862	33560	4898		5405	8	5783		3640		5710		7735		5695	
3863	33561	5062		5482	7	4533		3968		5215		6080		5088	
3864	LC	5199		4952		7033	1	7308	2	5311		7660		6760	10
Experimental Mean		5317		4437		5591		4860		6012		6635		5836	
CD(0.05)		771		1586		1549		1140		1442		1464		788	
CV(%)		7.25		17.89		13.85		11.73		12.01		11.04		6.75	
F val		9.96**		1.64*		1.82*		7.32**		6.65**		7.47**		10.83**	
DOS						17-09-2025		23-06-2025		22-06-2025		17-06-2025			
DOP						29-10-2025		26-07-2025		22-07-2025		15-07-2025			
Local Check Name						KKL (R) 2		RNR 28361		RNR 28361		RNR 28361			

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (11)		Uttar Pradesh (2)		Maharashtra (4)	
		Tamil Nadu			Tamil Nadu (2)			Mean		Mean		Mean	
		Aduturai		Coimbatore		Mean							
3801	33501	5883		5543		5713		6120	10	3936		4066	
3802	33502	6222		4523		5373		5286		5406	4	4455	
3803	33503	5111		5617		5364		6121	8	5033		4200	
3804	33504	5456		4334		4895		5295		4289		4736	
3805	33505	5056		6036		5546		5856		4495		4416	
3806	33506	6389		6538	10	6463	10	5004		4870		3818	
3807	33507	7078	4	7763	1*	7420	1*	6358	5	4033		5535	5
3808	33508	5583		5247		5415		5494		5000		4056	
3809	33509	7361	2	6867	6	7114	2	6120	9	4611		4359	
3810	33510	6128		5929		6029		5551		4382		3924	
3811	33511	6528		5863		6196		5888		5608	1	4654	
3812	33512	6839	8	7130	3	6984	3	5658		5276	9	4901	
3813	33513	6267		3651		4959		5836		4807		4526	
3814	33514	7078	4	5321		6199		3949		4658		3176	
3815	33515	5889		4548		5218		6410	3	4970		5197	
3816	33516	6028		3914		4971		4833		4332		4310	
3817	33517	6611	10	6965	5	6788	5	6719	1*	4159		5571	4
3818	33518	4944		6521		5733		5836		4601		6137	1*
3819	33519	4750		4893		4822		6067		4724		5650	3
3820	33520	5539		4655		5097		5737		4521		5020	
3821	33521	5039		6480		5760		6082		4578		4115	
3822	33522	4778				4778		4645		3959		4953	
3823	33523	5756		4350		5053		5255		4834		5193	
3824	33524	5500		7253	2	6377		5671		5066		4485	
3825	33525	4861		4984		4922		5921		5076		5440	10
3826	33526	6556		4852		5704		5700		4877		4023	
3827	NDR 359 (NC)	5556		4243		4899		6112		4242		4723	
3828	33527	4861		5436		5148		5610		5140		5366	
3829	33528	5678		6645	8	6161		6501	2	5066		4655	
3830	33529	6644	9	6258		6451		6303	6	4618		5134	
3831	33530	6122		4729		5425		5486		5120		4933	
3832	33531	6017		4276		5146		5640		5156		4737	
3833	33532	5067		4112		4589		5064		4644		4490	
3834	33533	5300		4375		4838		4630		4126		4084	
3835	33534	5844		6637	9	6240		6088		4830		4488	
3836	33535	5006		5798		5402		5273		4947		4249	
3837	33536	5889		4597		5243		5649		4794		4905	
3838	33537	6139		4556		5347		5698		4957		5150	
3839	33538	4667		5033		4850		5907		4112		4511	
3840	33539	6139		6859	7	6499	9	6372	4	5303	5	5497	7
3841	33540	4944		5296		5120		5856		4887		4671	
3842	33541	6222		5493		5858		5715		5143		3823	
3843	33542	6344		4778		5561		5405		5289	8	3658	
3844	33543	7206	3	5921		6563	6	6015		4531		4406	
3845	33544	5833		5008		5421		4974		4864		4420	
3846	33545	6389		4046		5217		5649		4618		3702	
3847	33546	6000		7064	4	6532	7	5316		5086		5502	6
3848	33547	7667	1	6266		6967	4	5248		4807		4492	
3849	33548	5556		5132		5344		5488		4392		5479	8
3850	ZC	6150		4515		5332		5113		5303	5	5145	
3851	33549	6222		4729		5475		5384		5213		4968	
3852	33550	4889		4391		4640		5814		5296	7	5849	2
3853	33551	5906		3701		4803		4822		5515	3	3406	
3854	33552	6222		4720		5471		5235		4704		4484	
3855	33553	5878		3824		4851		5150		4837		4847	
3856	33554	5689		3873		4781		5479		5023		3844	
3857	33555	7028	6	4811		5919		5681		4036		4543	
3858	33556	5333		3997		4665		5179		4574		3710	
3859	33557	5989		4186		5087		5816		5216	10	4855	
3860	33558	4928		6382		5655		5299		4870		4269	
3861	33559	6194		5452		5823		5638		5166		3963	
3862	33560	5167		3512		4339		5236		5133		4414	
3863	33561	6278		3849		5063		4841		5608	1	3898	
3864	LC	7022	7	6003		6513	8	6226	7	4355		5465	9
Experimental Mean		5894		5243		5565		5599		4807		4620	
CD(0.05)		699		1346		739		329		719		559	
CV(%)		5.93		12.85		6.65		4.01		7.49		6.06	
F val		8.46**		5.06**		7.37**		19.33**		2.66**		10.15**	
DOS		06-09-2025		11-06-2025									
DOP		11-10-2025		07-07-2025									
Local Check Name		ADT 60		CO 56									

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Table No. 6.2 (Contd.): Grain Yield (kg/ha) in IVT – IM, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN		ZONE III - EASTERN		ZONE IV - NORTH EASTERN		ZONE VII - SOUTHERN	
		Uttar Pradesh		Uttar Pradesh		Tripura		Karnataka	
		@ Kanpur		@ Prayagraj		@ Arundhutinagar		@ Brahmavar	
3801	33501	3849		553		3353		3371	
3802	33502	2734		842		3321		2412	
3803	33503	5758	3	537		3763		3586	
3804	33504	3980		1003		3684		3447	
3805	33505	2616		1864	8	3695		3213	
3806	33506	2937		887		3721		4154	4
3807	33507	4389		1209		3758		3674	
3808	33508	3843		1114		4079	6	2753	
3809	33509	4832		748		4237	3	3422	
3810	33510	3786		357		3974	9	3434	
3811	33511	2442		479		4595	2	3693	10
3812	33512	4057		1533		3453		3523	
3813	33513	2743		764		3184		2860	
3814	33514	2329		1842	9	4079	6	4394	2
3815	33515	3012		1687		3395		2885	
3816	33516	2640		1037		4195	5	3523	
3817	33517	3898		634		3263		2721	
3818	33518	5035	10	311		4211	4	3434	
3819	33519	5132	8	2014	6	3816		3460	
3820	33520	3788		750		3500		3706	8
3821	33521	3736		1764	10	3453		3624	
3822	33522	2043		464		3605		3554	
3823	33523	5068	9	1109		3842		3049	
3824	33524	2924		351		3211		2222	
3825	33525	3024		2970	2	3900	10	3630	
3826	33526	2682		2353	4	3158		2487	
3827	NDR 359 (NC)	3021		2470	3	3279		2727	
3828	33527	4710		1407		3895		3422	
3829	33528	3218		1159		3316		3782	5
3830	33529	4058		3378	1	3326		3138	
3831	33530	2326		2302	5	3579		3112	
3832	33531	2645		1583		3611		3668	
3833	33532	3699		1476		3332		3434	
3834	33533	3988		333		3553		3403	
3835	33534	4918		614		3684		3138	
3836	33535	3942		379		2821		3176	
3837	33536	4475		168		3184		3580	
3838	33537	3644		289		2632		3453	
3839	33538	3356		406		3500		2721	
3840	33539	6244	1	450		3105		3422	
3841	33540	5414	4	307		2989		3409	
3842	33541	3720		1234		3053		3491	
3843	33542	2866		451		3368		3668	
3844	33543	4189		507		2605		3346	
3845	33544	2715		200		3321		3523	
3846	33545	4042		203		3605		3643	
3847	33546	3874		176		3816		3529	
3848	33547	3976		592		3142		4217	3
3849	33548	5218	6	348		3300		3270	
3850	ZC	2778		142		2842		3598	
3851	33549	5142	7	198		3763		3365	
3852	33550	2448		398		3342		3289	
3853	33551	2961		1368		4026	8	3378	
3854	33552	2078		2004	7	2947		3542	
3855	33553	2725		223		3263		2652	
3856	33554	2520		548		3474		3491	
3857	33555	2813		817		3589		3580	
3858	33556	2761		733		3679		3630	
3859	33557	2398		344		3379		3542	
3860	33558	5933	2	776		3400		3725	7
3861	33559	5285	5	676		3511		3706	8
3862	33560	4248		614		2974		3737	6
3863	33561	4257		494		2842		3687	
3864	LC	2804		1164		4737	1	4539	1
Experimental Mean		3667		939		3504		3406	
CD(0.05)		634		514		590		818	
CV(%)		8.66		27.37		8.42		12.01	
F val		21.66**		16.11**		4.22**		2.19**	
DOS		26-06-2025		07-07-2025		19-06-2025		28-06-2025	
DOP		02-08-2025		31-07-2025		07-07-2025		12-08-2025	
Local Check Name		CSR-30		Shiats Dhan 4		Gomati, CR-311		BMR-MS-1-2-1	

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Table No. 6.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN												ZONE II - NORTHERN (4)		
		Haryana			Punjab			Uttarakhand			Uttar Pradesh			Mean		
		Kaul			Ludhiana			Pantnagar			Nagina					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	114	122	274				102	123	313	112	97	278	109	114	288
3802	33502	101	135	254	86	132	218	84	125	250	98	110	258	92	126	245
3803	33503	108	116	217	106	106	244	105	124	319	104	98	215	106	111	249
3804	33504	104	104	194	98	111	201	92	113	278	100	89	212	98	104	221
3805	33505	110	112	237	106	112	287	113	124	276	97	82	252	107	108	263
3806	33506	106	118	234	96	113	208	94	116	302	100	101	202	99	112	237
3807	33507	120	103	193				120	124	344	118	101	213	120	109	250
3808	33508	108	113	268	92	120	211	87	125	243	100	110	248	97	117	242
3809	33509	116	76	182	114	107	300	120	118	294	104	91	221	114	98	249
3810	33510							125	99	314	126	89	271	126	94	292
3811	33511				118	88	274	126	99	348	136	83	245	126	90	289
3812	33512	118	115	219	110	136	211	108	141	279	112	113	224	112	126	233
3813	33513	108	106	256	93	104	228	93	106	266	100	105	226	98	105	244
3814	33514	96	74	241	84	80	221	84	86	216	86	74	195	88	79	218
3815	33515	98	106	256	95	116	264	92	115	250	102	101	264	97	110	258
3816	33516	108	100	260	94	92	244	84	107	369	88	94	292	94	98	291
3817	33517							126	106	305	132	84	222	129	95	264
3818	33518							124	113	337	125	85	269	124	99	303
3819	33519	120	102	218	114	120	218	118	121	304	116	104	298	117	112	260
3820	33520	111	84	228	98	93	258	101	102	284	106	86	233	104	91	251
3821	33521	104	114	250	98	116	192	95	127	268	104	98	258	100	114	242
3822	33522							126	122	328	134	72	260	130	97	294
3823	33523	118	92	232	96	108	221	94	124	301	100	102	258	102	106	253
3824	33524	105	114	230	104	101	221	114	105	376	116	78	272	110	99	274
3825	33525	107	110	218	97	116	221	95	112	233	106	104	224	101	110	224
3826	33526	110	91	177	102	102	251	93	102	280	104	96	312	102	98	255
3827	NDR 359 (NC)	111	106	240	96	105	240	97	106	280	104	96	312	102	103	268
3828	33527	113	103	222	103	110	228	100	123	295	108	99	226	106	109	242
3829	33528	122	94	218	116	106	261	122	120	328	125	95	293	121	104	275
3830	33529	110	128	220	97	122	178	93	132	334	116	109	206	104	123	235
3831	33530	105	92	231	92	100	234	88	108	238	96	102	286	95	101	247
3832	33531	112	82	228	110	100	195	108	110	268	110	96	235	110	97	232
3833	33532	110	92	192	101	88	336	95	91	339	104	82	242	102	88	278
3834	33533	110	102	195	95	110	280	95	113	244	104	101	261	101	106	245
3835	33534	112	115	184	106	118	304	100	138	306	115	97	246	108	117	260
3836	33535							114	131	312	136	102	220	125	116	266
3837	33536							122	118	220	134	95	227	128	106	223
3838	33537	118	114	231	112	108	185	108	125	260	120	95	254	115	111	232
3839	33538	100	93	185	84	102	214	86	108	291	117	87	238	97	98	232
3840	33539							116	137	281	134	105	249	125	121	265
3841	33540							123	102	270	128	95	309	126	98	289
3842	33541	116	95	168	107	108	251	102	115	292	110	96	224	109	103	234
3843	33542	114	102	237	102	109	244	101	112	297	112	98	318	107	105	274
3844	33543							116	115	320	124	99	226	120	107	273
3845	33544	106	103	266	85	104	201	86	110	295	94	108	228	92	106	248
3846	33545	113	110	212	105	112	158	105	117	304	114	95	228	109	108	225
3847	33546	118	108	183	112	117	248	118	123	258	120	101	244	117	112	233
3848	33547		115	175	116	132	240	117	143	310	126	111	224	120	125	237
3849	33548	118	99	188	107	132	214	108	127	270	112	87	262	112	111	234
3850	ZC	109	74	184	98	86	244	100	93	258	114	109	280	105	90	241
3851	33549				109	124	198	107	127	312	114	107	258	110	119	256
3852	33550				116	102	274	122	112	302	126	108	217	122	108	264
3853	33551	120	64	192	104	102	208	100	113	320	126	94	212	112	93	233
3854	33552	114	113	184	97	119	238	95	123	338	102	103	242	102	115	250
3855	33553	116	108	206	112	141	168	114	147	226	114	111	252	114	127	213
3856	33554										125	104	300	125	104	300
3857	33555	108	120	215	93	104	267	90	102	277	101	94	253	98	105	253
3858	33556	116	70	200	107	108	192	106	109	272	110	98	194	110	96	214
3859	33557				112	143	218	122	143	260	117	105	242	117	130	240
3860	33558	102	75	220	93	108	214	90	106	230	96	104	246	95	98	228
3861	33559	112	100	223	97	108	287	92	100	295	102	104	264	101	103	267
3862	33560	118	104	224	107	112	264	106	118	348	102	97	249	108	108	271
3863	33561	110	82	170	98	106	208	98	127	278	101	92	222	102	102	219
3864	LC	102	88	212	100	108	244	92	119	289	95	89	298	97	101	261
Experimental Mean		110	101	216	101	110	233	104	116	290	111	97	248	109	106	252
Standard Error		0.6			1.25			1.07			0.46			0.56		

Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar						Bihar (2)			Jharkhand			Odisha		
		Sabour			Bikramganj (Dhangain)			Mean			Ranchi			NRRI		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3801	33501	112	104	190	102	119	250	108	112	220	91	106	166	110	122	390
3802	33502	100	119	218	92	122	262	96	121	240	76	116	192	102	114	322
3803	33503	103	113	250	108	101	246	105	107	248	102	108	148	103	116	341
3804	33504	104	106	265	94	99	256	99	102	260	86	105	146	98	123	254
3805	33505	121	105	270	110	110	240	115	107	254	104	95	202	108	122	356
3806	33506	105	111	259	96	121	262	101	116	260	90	92	156	98	110	330
3807	33507	127	123	280	120	110	206	123	117	243	102	107	171	112	128	242
3808	33508	104	122	242	96	112	220	100	117	230	84	110	176	95	114	283
3809	33509	123	102	220	118	98	234	120	100	227	108	106	175	112	110	314
3810	33510	128	110	212	128	98	203	128	104	207	110	94	165	118	130	222
3811	33511	132	98	314	130	101	236	131	100	275	104	86	237	110	110	262
3812	33512	121	133	246	108	130	228	115	132	237	97	108	148	110	122	231
3813	33513	103	110	248	96	113	238	99	112	242	90	114	198	104	115	338
3814	33514	91	72	275	92	79	242	92	75	259	82	81	230	110	108	266
3815	33515	108	114	220	98	112	230	103	113	225	86	104	156	106	115	293
3816	33516	95	96	288	90	90	202	92	93	244	88	97	190	102	112	340
3817	33517	132	110	293	130	111	222	132	111	257	102	110	177	96	124	214
3818	33518	134	109	286	128	103	222	131	106	254	106	107	196	115	124	273
3819	33519	123	117	220	110	115	210	117	116	215	98	111	234	112	135	319
3820	33520	103	91	262	112	100	248	107	95	256	97	96	214	112	113	306
3821	33521	107	110	220	96	114	221	101	112	220	88	110	166	96	110	326
3822	33522	135	123	230	130	114	195	133	118	212	99	118	150	122	125	266
3823	33523	104	104	244	104	112	233	104	108	238	90	103	216	102	112	292
3824	33524	117	92	266	116	86	239	117	89	253	98	87	248	114	110	284
3825	33525	107	98	262	110	115	224	108	106	244	92	114	170	110	109	324
3826	33526	116	103	268	106	107	270	111	105	269	90	101	154	106	116	309
3827	NDR 359 (NC)	105	96	206	98	108	198	102	102	202	92	101	178	96	114	264
3828	33527	112	114	250	102	100	266	107	107	258	96	101	179	106	125	290
3829	33528	125	106	258	116	115	217	121	111	238	96	109	230	108	122	222
3830	33529	107	123	230	96	120	208	101	122	218	90	106	164	103	127	302
3831	33530	100	106	244	92	100	242	96	103	242	84	103	199	90	108	254
3832	33531	115	100	289	104	101	261	110	101	275	94	96	234	110	109	300
3833	33532	111	94	278	102	97	260	106	95	269	86	88	230	100	102	242
3834	33533	103	111	234	102	98	242	102	105	238	88	104	180	96	115	222
3835	33534	114	108	261	114	111	252	114	109	256	98	112	208	102	120	328
3836	33535	121	120	258	112	111	235	117	115	246	96	116	229	97	118	255
3837	33536	123	118	220	118	111	192	121	115	206	112	105	178	118	124	250
3838	33537	116	110	248	102	100	248	109	106	248	92	106	166	109	118	305
3839	33538	95	98	218				95	98	218	90	104	140	102	102	218
3840	33539	129	120	194	118	125	226	123	123	210	102	120	119	116	138	314
3841	33540	125	91	228	100	93	263	112	92	246	104	140	151	112	110	264
3842	33541	116	120	262	104	107	270	110	113	266	94	108	196	104	121	253
3843	33542	113	106	245	102	114	252	107	110	248	86	104	209	104	113	310
3844	33543	119	113	302				119	113	302	94	107	142	104	120	280
3845	33544	97	111	298	94	101	260	95	106	278	87	99	184	105	127	334
3846	33545	112	116	258	102	108	274	107	112	266	97	108	178	110	110	284
3847	33546	122	122	224	114	122	258	118	122	241	98	111	180	112	123	328
3848	33547	124	130	235	104	129	234	114	129	234	97	126	234	107	121	302
3849	33548	123	132	220	110	119	242	116	125	231	94	110	228	111	114	276
3850	ZC	132	124	252	128	122	266	130	123	259	97	120	211	92	122	244
3851	33549	117	120	258	106	108	224	111	114	241	94	111	192	104	114	310
3852	33550	123	113	264	116	111	188	119	112	226	100	110	216	118	129	312
3853	33551	114	98	266	104	113	206	109	105	236	90	96	192	110	116	228
3854	33552	102	118	226	98	126	214	100	122	220	88	115	150	98	119	227
3855	33553	125	132	224	110	114	192	118	123	208	97	120	175	110	134	300
3856	33554	132	128	165	100	133	210	116	130	187	106	118	196	120	132	281
3857	33555	105	100	204	98	108	223	102	104	214	90	102	172	96	106	236
3858	33556	121	101	216	112	113	239	116	107	228	95	108	152	102	118	254
3859	33557	126	132	262	118	118	199	122	125	230	106	118	180	105	137	295
3860	33558	99	100	248	110	103	219	104	101	234	86	100	196	90	110	253
3861	33559	105	110	304	106	114	214	106	112	259	84	102	196	98	117	266
3862	33560	116	107	240	106	105	238	111	106	239	106	100	168	108	116	338
3863	33561	113	102	190	110	112	191	111	107	190	94	104	183	100	122	278
3864	LC	129	108	282	112	119	294	120	113	288	90	120	206	108	127	340
Experimental Mean		114	118	247	107	109	233	111	110	240	94	137	185	105	118	285
Standard Error		0.84			0.4			0.43			1.44			47.6		

Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha						Odisha (3)			Uttar Pradesh			West Bengal		
		Bhubaneswar			Jeypore			Mean			Masodha			Malda		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	103	106	198	117	98	252	110	109	280	102	101	228	95	125	344
3802	33502	87	113	280	97	106	184	95	111	262	110	108	234	103	122	290
3803	33503	100	96	246	102	89	191	102	100	259	102	90	253	110	126	370
3804	33504	91	94	248	96	91	218	95	102	240	102	87	238	82	110	324
3805	33505	103	90	295	109	94	308	107	102	320	100	106	296	114	144	400
3806	33506	94	104	302	107	90	206	100	101	280	102	87	268	83	102	245
3807	33507	110	116	254	106	93	202	109	112	233	102	88	188	108	144	384
3808	33508	92	104	279	114	98	278	100	105	280	104	76	224	105	124	255
3809	33509	103	101	253	104	92	188	106	101	251	100	104	250	100	118	435
3810	33510	114	107	269	98	82	224	110	106	238	120	91	240	98	122	227
3811	33511	114	95	276	117	77	285	114	94	274	116	111	224	114	99	312
3812	33512	103	115	190	106	99	164	106	112	195	102	101	281	108	122	414
3813	33513	94	103	296	109	95	284	102	104	306	102	99	240	92	138	334
3814	33514	81	64	223	93	58	208	95	77	232	118	88	230	85	87	211
3815	33515	96	104	276	106	101	262	103	107	277	100	93	291	103	146	448
3816	33516	85	93	294	94	93	188	94	100	274	76	117	218	86	107	222
3817	33517	114	121	292	102	84	295	104	109	267	104	97	259	123	112	298
3818	33518	106	104	247	99	94	189	222	107	236	104	108	300	94	122	330
3819	33519	100	102	233	108	95	216	218	111	256	96	72	188	106	112	438
3820	33520	99	81	244	116	74	220	222	89	256	102	96	255	85	114	388
3821	33521	93	99	234	97	94	182	191	101	247	100	90	284	94	114	403
3822	33522	110	99	253	103	92	288	234	106	269	120	80	248	112	150	188
3823	33523	93	97	250	97	88	221	200	99	255	100	78	312	116	108	430
3824	33524	104	84	307	97	78	355	219	91	315	104	96	267	114	98	340
3825	33525	97	98	258	98	97	211	211	102	264	106	106	244	90	106	393
3826	33526	96	92	266	97	88	295	205	99	290	104	100	267	96	115	274
3827	NDR 359 (NC)	97	93	216	104	73	178	196	93	219	106	97	240	100	108	402
3828	33527	96	96	278	116	90	200	213	104	256	104	90	320	108	120	330
3829	33528	103	102	238	116	91	288	217	105	250	102	103	270	105	112	390
3830	33529	94	107	200	109	102	183	205	112	228	102	90	257	116	129	412
3831	33530	92	80	227	104	93	271	186	94	251	104	135	256	112	122	316
3832	33531	96	88	262	98	78	312	210	92	291	106	110	288	82	104	296
3833	33532	88	85	282	98	73	321	194	86	282	103	98	256	83	107	394
3834	33533	96	95	244	108	90	168	195	100	211	120	110	244	93	96	218
3835	33534	112	97	298	102	93	282	207	103	302	104	112	239	94	104	392
3836	33535	103	103	226	115	97	218	202	106	233	100	98	236	98	106	418
3837	33536	112	96	267	98	95	198	227	105	238	106	108	253	84	106	374
3838	33537	96	97	282	107	89	201	213	101	262	102	88	267	106	108	346
3839	33538	93	93	204	104	94	284	202	96	236	104	99	250	94	102	412
3840	33539	105	109	180	101	103	168	224	117	221	102	98	334	120	127	338
3841	33540	103	86	270	109	82	295	220	93	276	104	110	288	95	104	436
3842	33541	102	88	306	106	83	258	209	97	272	102	89	238	111	98	305
3843	33542	96	91	241	100	92	254	205	99	268	102	78	292	112	114	326
3844	33543				97	96	154	205	108	217	102	99	234	96	136	311
3845	33544	91	101	292	97	98	228	203	109	284	102	88	256	98	101	304
3846	33545	104	105	284	116	86	251	221	100	273	104	82	214	102	114	315
3847	33546	103	114	241	117	96	238	223	111	269	116	101	258	102	112	301
3848	33547	102	119	239	109	104	286	213	115	276	116	98	244	94	136	408
3849	33548	103	116	235	109	96	273	219	109	261	102	98	248	98	120	420
3850	ZC	112	106	243	100	94	254	193	107	247	116	110	235	92	142	237
3851	33549	96	106	258	104	97	200	206	106	256	101	90	318	94	126	381
3852	33550	104	107	315	108	93	298	227	110	308	118	98	234	96	113	358
3853	33551				103	85	211	216	101	219	102	87	262	102	104	350
3854	33552				105	98	262	200	109	244	104	97	206	89	112	232
3855	33553	107	132	262	109	99	264	219	121	276	114	98	230	96	112	372
3856	33554				94	97	332	227	115	306	118	98	212	92	112	334
3857	33555	93	98	260	105	93	294	195	99	264	74	100	258	92	102	352
3858	33556	98	90	221	114	92	251	206	100	242	118	98	252	105	128	363
3859	33557	106	141	298	116	95	234	214	124	276	120	114	247	118	108	288
3860	33558	88	92	289	94	88	188	180	97	243	102	108	239	96	105	322
3861	33559	94	96	296	97	90	196	194	101	253	104	88	278	94	120	333
3862	33560	104	83	256	111	90	254	216	96	283	118	100	238	86	132	232
3863	33561	101	103	270	104	92	305	201	106	284	104	100	244	112	142	324
3864	LC	101	103	284	116	90	263	217	106	296	104	126	250	112	144	198
Experimental Mean		99	100	258	104	91	241	181	103	261	105	97	253	99	116	336
Standard Error		0.33			0.6			0			0.62			1.42		

Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (10)			ZONE IV - NORTH EASTERN		
		West Bengal						West Bengal (3)			Mean			Assam		
		chinsurah			Bankura			Mean			Mean			Titabar		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	124	122	264	89	103	390	103	117	332	105	111	267	113	130	303
3802	33502	126	127	264	92	100	403	107	116	319	99	115	265	108	139	228
3803	33503	110	146	231	104	115	361	108	129	321	104	110	264	113	122	225
3804	33504	104	116	264	94	103	370	93	110	319	95	103	258	108	108	282
3805	33505	124	102	231	95	89	366	111	112	332	109	106	296	118	116	336
3806	33506	110	137	264	96	91	374	96	110	294	98	104	267	110	115	308
3807	33507	127	113	264	87	98	351	107	118	333	110	112	254	124	122	300
3808	33508	112	123	330	90	99	326	102	115	304	100	108	261	108	123	331
3809	33509	119	115	264	96	101	389	105	111	363	108	105	272	122	115	331
3810	33510	120	122	330	93	115	396	104	120	318	113	107	249	128	114	262
3811	33511	106	121	330	96	107	410	105	109	351	114	101	289	124	116	364
3812	33512	119	140	298	97	110	338	108	124	350	107	118	254	122	125	306
3813	33513	112	108	264	102	108	386	102	118	328	100	110	283	110	121	297
3814	33514	112	90	330	86	106	372	94	94	304	95	83	259	100	80	232
3815	33515	116	76	264	86	103	384	102	108	365	101	107	282	112	122	322
3816	33516	114	126	297	96	96	350	99	110	290	93	103	259	102	109	300
3817	33517	106	112	264	94	108	384	108	111	315	110	109	270	132	114	298
3818	33518	112	117	297	98	110	404	101	116	344	110	110	274	130	118	345
3819	33519	94	115	330	94	115	366	98	114	378	104	109	275	128	131	292
3820	33520	124	96	264	96	116	392	102	109	348	105	98	279	110	100	334
3821	33521	105	116	264	96	120	360	98	117	342	97	108	266	112	111	236
3822	33522	116	120	264	98	105	356	109	125	269	115	113	244	134	121	320
3823	33523	112	112	264	92	108	405	107	109	366	101	102	287	108	118	266
3824	33524	108	104	297	98	98	423	106	100	353	107	93	303	124	99	280
3825	33525	106	131	330	88	101	401	95	113	375	100	108	282	110	119	292
3826	33526	114	148	264	88	93	360	99	119	300	101	106	273	111	111	314
3827	NDR 359 (NC)	100	118	264	86	92	368	95	106	345	98	100	251	112	108	238
3828	33527	112	117	264	85	94	391	102	110	328	104	105	277	114	117	247
3829	33528	120	125	264	87	112	383	104	116	346	108	110	276	124	124	331
3830	33529	114	126	297	99	118	386	110	124	365	103	115	264	112	120	284
3831	33530	104	110	264	94	88	339	104	107	306	98	104	261	104	116	322
3832	33531	120	123	264	96	113	350	100	113	304	102	102	286	116	112	294
3833	33532	120	102	264	94	115	368	99	108	342	99	96	290	110	104	299
3834	33533	106	113	330	95	115	349	98	108	299	101	105	243	112	118	258
3835	33534	106	128	330	88	88	366	96	107	363	103	107.3	296	124	130	328
3836	33535	108	140	297	96	91	418	101	113	377	105	110	279	124	126	294
3837	33536	106	124	264	95	91	405	95	107	348	107	108	260	126	126	356
3838	33537	118	119	264	93	100	404	105	109	338	104	104	273	116	128	275
3839	33538	122	117	330	94	92	395	104	104	379	100	100	272	102	113	277
3840	33539	120	122	330	94	93	352	111	114	340	111	116	256	125	140	300
3841	33540	121	108	264	102	117	372	106	109	358	108	104	283	124	106	348
3842	33541	123	106	264	96	113	376	110	106	315	106	103	273	120	113	298
3843	33542	124	110	264	93	94	381	110	106	324	103	102	277	113	117	241
3844	33543	120	141	330	96	99	410	104	126	350	104	114	270	112	132	368
3845	33544	118	124	297	96	114	359	104	113	320	99	106	281	110	124	250
3846	33545	108	114	264	98	114	411	103	114	330	105	106	273	118	117	272
3847	33546	110	141	264	96	116	403	103	123	323	109	116	269	120	127	275
3848	33547	109	126	231	94	123	417	99	128	352	106	121	283	124	150	336
3849	33548	110	116	264	95	123	333	101	120	339	106	114	274	120	120	314
3850	ZC	120	137	297	96	95	366	103	125	300	109	117	261	130	132	261
3851	33549	102	123	330	88	106	373	95	119	361	101	110	285	118	137	308
3852	33550	109	115	264	84	98	367	96	109	330	108	109	282	130	126	306
3853	33551	108	107	264	103	92	348	104	101	321	104	100	259	118	112	280
3854	33552	118	110	264	96	93	356	101	105	284	100	110	237	110	131	275
3855	33553	112	110	330	84	85	383	98	102	362	106	114	273	124	146	266
3856	33554	129	169	264	99	110	356	107	131	318	110	122	261	119	126	272
3857	33555	116	104	330	88	116	378	99	107	354	96	103	271	108	107	266
3858	33556	106	118	264	93	122	356	102	123	328	106	109	257	114	112	264
3859	33557	112	134	264	93	108	399	108	116	317	112	120	267	121	133	303
3860	33558	122	119	264	103	110	367	107	111	318	99	103	258	103	112	288
3861	33559	108	150	297	93	104	400	98	124	344	98	109	278	114	115	270
3862	33560	119	110	231	86	98	388	97	113	284	106	104	258	112	118	292
3863	33561	106	104	264	86	107	399	102	118	329	103	109	265	110	122	312
3864	LC	114	124	264	91	123	398	106	130	286	108	118	278	120	140	348
Experimental Mean		113	119	281	93	104	377	102	114	332	103	110.1	270	116	119	294
Standard Error		0.68			1.62			0.75			6			0.72		

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Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN			ZONE IV - NORTH			ZONE V - CENTRAL								
		Tripura			EASTERN (2)			Chhattisgarh								
		Lembucherra			Mean			Ambikhapur			Jagadalpur			Raipur		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3801	33501	106	118	212	110	124	258	101	107	167	108	81	235	112	115	199
3802	33502	108	96	225	108	118	226	86	124	162	96	89	273	97	127	157
3803	33503	98	84	212	106	102	219	104	94	198	108	68	233	110	108	241
3804	33504	96	78	162	102	94	222	108	99	190	104	65	240	98	106	192
3805	33505	104	94	225	111	105	281	106	93	197	110	72	250	114	115	283
3806	33506	98	89	288	104	102	298	96	104	188	104	76	255	110	116	239
3807	33507	108	108	262	116	115	281	106	102	236	116	81	228	108	112	194
3808	33508	90	84	262	99	103	297	94	113	198	100	77	259	103	121	182
3809	33509	106	118	188	114	116	259	108	103	199	111	77	267	116	107	236
3810	33510	104	92	200	116	103	231	108	100	196	113	80	220	124	116	180
3811	33511	98	98	200	111	107	282	108	94	221	113	67	256	122	95	266
3812	33512	100	104	225	111	115	266	97	140	176	108	94	238	114	134	181
3813	33513	99	88	200	104	105	248	94	111	195	101	78	265	118	126	190
3814	33514	98	93	188	98	86	210	84	84	190	103	64	193	94	86	246
3815	33515	106	92	238	109	107	280	96	102	162	105	87	250	106	117	180
3816	33516	97	119	250	100	114	275	83	104	181	100	74	220	96	118	276
3817	33517	108	116	212	120	114	255	108	107	196	117	83	270	122	115	215
3818	33518	97	112	188	113	115	266	109	107	197	116	82	272	122	107	274
3819	33519	90	78	275	109	104	283	98	106	195	108	80	220	110	116	224
3820	33520	110	120	275	110	110	304	105	83	209	110	60	220	107	95	168
3821	33521	96	96	312	104	104	274	96	106	214	101	78	232	109	116	200
3822	33522	98	92	262	116	107	291	108	110	196	117	84	220	128	124	202
3823	33523	99	83	238	104	100	252	98	105	206	101	70	248	102	126	203
3824	33524	95	87	225	109	93	253	105	83	229	113	64	232	115	95	250
3825	33525	100	81	250	105	100	271	97	107	188	105	81	248	104	115	238
3826	33526	106	108	200	108	109	257	96	95	230	105	66	236	108	107	272
3827	NDR 359 (NC)	98	82	262	105	95	250	102	95	213	108	69	262	105	116	240
3828	33527	97	102	275	106	109	261	106	97	180	108	74	237	107	107	280
3829	33528	106	118	200	115	121	266	105	96	214	110	76	250	98	108	260
3830	33529	106	96	225	109	108	254	98	116	209	106	90	258	104	147	264
3831	33530	98	114	262	101	115	292	94	107	169	104	77	252	99	116	214
3832	33531	102	107	275	109	109	285	98	89	198	111	64	226	109	98	244
3833	33532	102	118	325	106	111	312	96	90	177	101	64	205	104	98	181
3834	33533	94	102	262	104	110	260	98	99	194	104	73	271	102	116	210
3835	33534	96	102	275	110	116	302	107	112	228	119	74	244	116	155	302
3836	33535	98	102	362	111	114	328	86	106	182	116	80	260	116	107	166
3837	33536	96	96	225	111	111	291	86	106	176	117	79	253	122	115	228
3838	33537	106	101	200	111	115	238	102	94	173	107	80	215	107	106	246
3839	33538	106	110	238	104	112	257	100	106	237	101	72	223	102	116	246
3840	33539	98	103	238	112	122	269	106	138	214	118	99	300	118	145	238
3841	33540	106	90	238	114	98	292	108	85	204	114	68	230	118	96	272
3842	33541	104	86	300	112	99	299	102	95	193	108	69	215	109	104	231
3843	33542	100	104	238	106	110	239	100	98	192	108	77	226	106	115	258
3844	33543	98	112	138	105	122	252	106	105	147	112	85	240	114	107	191
3845	33544	99	92	200	104	108	225	105	109	198	103	82	279	98	116	259
3846	33545	98	102	175	108	110	224	106	99	205	117	74	250	110	109	234
3847	33546	99	105	225	110	116	250	107	104	208	120	78	198	114	113	268
3848	33547	98	116	300	111	133	318	105	116	205	112	87	232	112	124	200
3849	33548	102	96	225	112	108	270	106	106	179	114	79	265	115	125	246
3850	ZC	98	108	212	114	120	237	102	86	205	105	62	205	107	97	202
3851	33549	100	94	238	110	116	273	102	114	209	107	86	266	108	133	188
3852	33550	102	97	262	116	112	284	104	104	208	112	75	263	120	106	224
3853	33551	106	113	262	112	112	272	94	95	191	108	65	235	108	107	215
3854	33552	100	106	275	105	118	275	96	111	178	105	85	245	104	127	234
3855	33553	108	90	225	116	118	246	106	119	174	104	84	236	116	130	240
3856	33554	98	91	162	108	108	217	108	116	181	118	93	250	120	126	176
3857	33555	98	80	212	103	94	240	94	103	210	101	66	232	102	105	222
3858	33556	98	98	188	106	104	226	102	96	194	115	71	247	108	106	230
3859	33557	108	107	212	114	120	258	106	122	193	115	94	260	118	125	218
3860	33558	98	96	262	101	104	276	93	106	184	104	63	232	92	115	200
3861	33559	97	110	212	106	112	241	96	99	180	103	71	252	104	108	246
3862	33560	98	106	238	106	112	265	107	96	192	112	62	190	108	116	266
3863	33561	101	106	225	106	114	268	102	96	179	108	76	212	104	105	238
3864	LC	100	100	262	110	120	305	102	104	199	105	80	245	104	117	200
Experimental Mean		100	99	235	109	110	265	100	103	195	108	76	241	109	114	226
Standard Error		0.83			0.54			1.28			0			3.1		

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Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL														
		Chhattisgarh (3)			Maharashtra						Maharashtra (2)			Madhya Pradesh		
		Mean			Sakoli			Sindewahi			Mean			Waraseoni		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	107	101	200	104	123	190	100	127	183	102	125	187	92	128	240
3802	33502	93	113	197	86	126	308	92	120	289	89	123	298	84	132	218
3803	33503	107	90	224	96	121	318	111	116	244	104	119	281	101	110	212
3804	33504	104	90	208	88	111	258	94	104	200	91	108	229	86	110	200
3805	33505	110	94	243	100	100	294	108	118	232	104	109	264	105	109	300
3806	33506	103	99	227	88	104	249	92	104	187	90	104	218	94	118	272
3807	33507	110	98	219	110	114	243	112	117	266	110	116	254	105	116	237
3808	33508	99	104	213	86	124	220	91	104	277	88	114	248	90	120	324
3809	33509	112	96	234	104	112	296	114	112	343	110	112	319	105	117	277
3810	33510	115	99	199	112	112	208	117	112	193	115	112	201	112	113	223
3811	33511	114	85	248	105	96	294	112	106	286	109	101	290	106	109	319
3812	33512	106	123	198	96	124	318	110	131	250	103	127	284	97	138	285
3813	33513	105	105	216	86	122	225	90	114	259	88	118	242	90	108	290
3814	33514	94	78	210	84	95	176	90	98	240	87	97	208	84	88	283
3815	33515	102	102	197	87	114	363	99	104	300	93	110	332	88	120	260
3816	33516	93	99	226	82	118	332	90	102	222	86	110	277	84	108	310
3817	33517	116	101	227	110	110	356	112	118	309	111	114	332	118	117	340
3818	33518	116	98	248	112	112	351	116	121	226	114	116	288	112	117	232
3819	33519	106	101	213	100	110	322	106	130	268	103	120	295	114	125	225
3820	33520	107	80	199	97	94	188	101	100	248	99	97	218	96	94	284
3821	33521	102	100	215	90	119	338	96	120	203	93	120	271	88	113	263
3822	33522	118	106	206	120	132	316	117	125	300	118	128	308	110	125	302
3823	33523	100	100	219	94	106	374	90	105	232	92	106	303	90	111	286
3824	33524	111	81	237	106	96	324	106	102	290	106	99	308	100	103	316
3825	33525	102	101	224	96	117	302	110	119	266	103	118	284	96	122	246
3826	33526	103	89	246	90	114	350	100	113	255	95	113	302	94	113	298
3827	NDR 359 (NC)	105	93	239	88	116	258	100	122	240	94	119	249	58	122	268
3828	33527	107	93	232	94	116	282	109	124	232	101	120	257	96	120	247
3829	33528	104	93	242	102	122	326	112	106	288	107	114	307	102	120	296
3830	33529	102	117	244	94	122	308	97	136	199	96	129	254	93	129	220
3831	33530	99	100	212	88	122	318	94	105	303	91	114	310	86	119	262
3832	33531	106	84	223	98	125	313	100	107	278	99	116	295	108	112	303
3833	33532	100	84	188	90	100	331	98	82	324	94	91	327	94	97	313
3834	33533	101	96	225	95	110	259	96	111	250	96	110	254	96	113	259
3835	33534	114	114	258	102	127	300	114	105	451	108	116	375	100	123	315
3836	33535	106	98	203	102	118	323	110	117	162	106	118	243	105	124	261
3837	33536	109	100	219	110	120	314	112	120	173	111	120	243	114	125	224
3838	33537	106	93	212	96	110	332	100	116	225	98	113	279	96	120	254
3839	33538	101	98	236	88	124	372	97	114	240	92	119	306	94	109	243
3840	33539	114	127	251	104	127	294	114	108	180	109	118	238	107	146	224
3841	33540	114	83	235	104	96	240	112	108	304	108	102	272	105	91	257
3842	33541	106	89	213	96	101	268	106	108	222	102	104	245	96	102	298
3843	33542	104	97	225	92	108	212	92	102	210	92	104	211	96	118	267
3844	33543	111	99	193	102	102	293	112	123	170	107	112	231	100	131	208
3845	33544	102	102	245	84	118	290	90	93	274	87	106	282	84	118	246
3846	33545	111	94	230	100	113	254	112	121	222	106	117	238	100	115	219
3847	33546	114	98	225	102	110	302	112	120	258	108	116	280	104	121	282
3848	33547	110	109	212	100	122	280	110	130	217	106	126	248	104	138	272
3849	33548	112	103	230	98	110	304	108	128	232	103	120	268	102	124	278
3850	ZC	105	82	204	92	110	293	104	102	251	98	106	272	94	119	254
3851	33549	106	111	221	94	110	290	106	136	256	100	123	273	96	123	302
3852	33550	112	95	231	100	117	321	106	120	268	102	119	294	100	124	268
3853	33551	103	89	214	92	100	267	98	116	292	95	108	280	96	108	272
3854	33552	102	108	219	88	132	292	94	129	224	91	130	258	88	126	267
3855	33553	109	111	216	99	121	249	106	121	251	103	121	250	100	151	258
3856	33554	115	112	203	112	130	202	114	129	188	114	130	195	112	135	225
3857	33555	99	91	221	88	112	274	96	112	223	92	112	249	90	114	238
3858	33556	108	91	224	100	113	273	110	106	359	106	110	316	98	112	280
3859	33557	113	114	224	108	127	320	111	148	246	110	137	283	105	140	286
3860	33558	96	95	205	86	110	276	90	95	279	88	102	278	86	100	272
3861	33559	101	93	226	88	118	282	96	116	296	92	117	289	86	110	316
3862	33560	109	91	216	100	113	309	110	126	246	105	120	277	101	113	265
3863	33561	104	93	210	94	122	284	107	115	243	101	119	264	96	121	254
3864	LC	104	100	214	102	109	326	100	105	281	101	107	304	94	114	245
Experimental Mean		106	98	221	96	114	289	103	114	251	100	114	271	97	117	266
Standard Error		1.09			0.6			0.39			0.34			5.27		

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Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL (6)			ZONE VI- WESTERN											
		Mean			Gujarat						Gujarat (2)			Maharashtra		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	103	114	202	90	126	187	104	117	267	97	121	227	117	124	144
3802	33502	90	120	234	77	125	178	96	141	274	87	133	226	98	134	142
3803	33503	105	103	241	96	93	238	102	112	268	99	102	253	110	103	133
3804	33504	96	99	214	86	92	147	99	110	281	92	101	214	108	115	126
3805	33505	108	101	259	102	97	182	106	102	270	104	100	226	116	110	124
3806	33506	97	104	232	86	94	178	100	117	270	93	105	224	106	126	160
3807	33507	109	107	234	102	103	200	98	110	276	100	106	238	125	122	164
3808	33508	94	110	243	83	102	184	100	126	274	91	114	229	102	117	149
3809	33509	110	105	270	106	120	120	101	106	270	104	113	195	122	105	134
3810	33510	114	106	204	108	120	172	103	117	273	106	119	222	123	119	178
3811	33511	111	94	273	104	97	231	98	101	272	101	99	252	118	110	196
3812	33512	104	127	241	90	131	220	104	129	286	97	130	253	114	147	127
3813	33513	97	110	237	86	112	122	97	113	268	91	113	195	110	123	219
3814	33514	90	86	221	78	81	274	83	85	262	81	83	268	95	86	171
3815	33515	97	108	252	84	120	209	100	122	280	92	121	244	110	132	161
3816	33516	89	104	257	77	71	230	89	110	274	83	90	252	98	121	164
3817	33517	114	108	281	102	133	234	108	124	275	105	128	255	126	143	153
3818	33518	115	107	259	92	122	200	110	122	272	102	122	236	124	119	218
3819	33519	106	111	242	92	115	162	105	114	274	98	114	218	124	115	144
3820	33520	103	88	220	98	194	210	101	86	269	100	140	239	111	102	140
3821	33521	97	109	242	86	133	204	99	114	280	92	124	242	108	120	120
3822	33522	117	117	256	101	122	148	98	128	259	100	125	204	131	133	181
3823	33523	96	104	258	84	91	202	94	116	288	88	104	245	105	114	200
3824	33524	107	90	274	100	70	200	105	89	282	102	80	241	117	102	152
3825	33525	101	110	248	88	107	184	100	120	284	94	114	234	110	126	162
3826	33526	99	101	274	90	123	137	98	108	284	94	116	211	109	105	120
3827	NDR 359 (NC)	94	107	247	88	132	182	103	100	264	96	116	223	116	101	144
3828	33527	103	106	243	95	120	156	104	109	276	99	115	216	116	109	210
3829	33528	105	105	273	101	137	184	108	107	281	104	122	233	122	113	179
3830	33529	99	123	243	88	152	156	98	126	282	93	139	219	110	130	172
3831	33530	94	108	253	83	141	182	96	120	280	90	130	231	104	117	183
3832	33531	104	99	260	92	135	168	100	98	284	96	116	226	118	109	117
3833	33532	97	88	255	94	90	174	101	98	280	98	94	227	104	96	138
3834	33533	98	104	240	82	144	238	99	98	254	90	121	246	114	115	145
3835	33534	110	116	306	93	127	282	107	114	268	100	120	275	118	121	166
3836	33535	106	109	226	100	139	192	110	113	280	105	126	236	120	119	146
3837	33536	110	111	228	96	111	146	110	121	264	103	116	205	124	112	165
3838	33537	101	104	241	95	129	158	106	100	275	100	114	216	116	120	157
3839	33538	97	107	260	86	133	216	97	106	278	92	120	247	104	111	144
3840	33539	111	127	242	101	155	160	108	131	281	104	143	220	124	132	150
3841	33540	110	91	251	102	134	204	105	105	276	104	120	240	118	101	202
3842	33541	103	96	238	94	117	194	105	89	244	99	103	219	114	138	137
3843	33542	99	103	227	84	130	148	102	112	274	93	121	211	114	120	114
3844	33543	108	109	208				102	106	270	102	106	270	117	114	163
3845	33544	94	106	258	81	67	167	96	118	281	89	92	224	105	126	113
3846	33545	108	105	231	91	151	156	106	102	268	98	126	212	116	109	135
3847	33546	110	108	253	100	131	140	108	122	271	104	127	205	122	135	159
3848	33547	107	120	234	101	152	226	107	133	284	104	143	255	117	140	157
3849	33548	107	112	250	94	123	168	107	123	274	100	123	221	120	132	148
3850	ZC	101	96	235	95	83	208	102	97	264	99	90	236	112	96	163
3851	33549	102	117	252	94	133	220	105	122	284	99	128	252	114	125	154
3852	33550	107	108	258	86	143	216	109	114	270	98	129	243	121	127	148
3853	33551	99	99	245	84	94	180	104	97	270	94	96	225	106	104	129
3854	33552	96	118	240	42	142	180	102	121	275	72	131	228	108	134	180
3855	33553	105	121	234	94	161	174	106	127	266	100	144	220	116	128	158
3856	33554	114	122	204	110	142	152	110	130	264	110	136	208	121	138	146
3857	33555	96	102	233	84	111	156	97	106	272	90	108	214	106	113	122
3858	33556	106	101	264	84	124	187	106	94	264	95	109	225	114	112	166
3859	33557	111	126	254	105	150	230	99	142	269	102	146	250	122	150	144
3860	33558	92	98	240	82	126	153	98	101	269	90	113	211	104	105	121
3861	33559	95	104	262	82	100	204	100	105	280	92	102	242	106	113	144
3862	33560	106	104	245	96	112	186	102	103	278	99	108	232	115	102	192
3863	33561	102	106	235	93	131	190	98	124	266	96	128	228	109	126	116
3864	LC	101	105	249	95	130	217	96	108	290	96	119	253	111	103	162
Experimental Mean		103	107	245	91	121	187	101	112	273	97	117	231	113	118	154
Standard Error		1.01			5.09			1.17			2.49			0.45		

Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (4)			ZONE VII - SOUTHERN								
		Maharashtra			Maharashtra (2)						Andhra Pradesh						Andhra Pradesh (2)		
		Karjat			Mean			Mean			Ragolu			Maruteru			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3801	33501	100	122	248	109	123	196	103	122	212	98	116	180	98	125	346	98	121	263
3802	33502	95	127	269	97	130	206	92	132	216	87	128	251	86	135	314	87	132	282
3803	33503	96	104	243	103	104	188	101	103	221	88	102	198	86	105	280	86	103	239
3804	33504	98	116	248	104	116	187	98	108	200	90	109	202	88	116	314	89	113	258
3805	33505	100	112	244	108	111	184	106	105	205	105	107	182	100	126	380	102	117	280
3806	33506	96	120	285	101	123	222	97	114	223	94	122	221	88	123	314	91	123	267
3807	33507	106	130	240	116	126	202	108	116	220	106	112	185	106	133	396	106	123	290
3808	33508	96	124	257	98	121	203	95	117	216	91	116	246	88	125	330	90	121	288
3809	33509	106	120	257	114	113	196	109	113	195	120	107	218	97	127	396	109	117	307
3810	33510	112	122	248	118	121	213	112	120	218	113	123	268	107	119	446	110	121	356
3811	33511	102	106	258	110	108	227	105	104	239	112	106	333	102	111	380	107	108	356
3812	33512	100	133	308	107	140	217	102	135	235	104	122	214	98	146	330	101	134	272
3813	33513	94	120	264	102	122	242	97	117	218	91	90	238	87	125	330	89	107	284
3814	33514	90	78	232	92	82	202	86	82	235	79	84	268	79	71	297	79	77	282
3815	33515	98	119	257	104	126	209	98	123	227	96	126	294	96	128	297	96	127	296
3816	33516	92	104	284	95	113	224	89	101	238	80	116	256	84	112	314	82	114	285
3817	33517	112	128	218	119	136	186	112	132	220	85	130	250	106	137	380	95	133	315
3818	33518	105	132	254	114	125	236	108	124	236	114	113	270	106	132	396	110	122	333
3819	33519	102	110	286	113	113	215	106	113	216	102	107	248	92	124	314	97	116	280
3820	33520	100	93	266	105	97	202	102	119	221	102	89	228	91	102	297	97	96	262
3821	33521	98	116	224	103	118	172	98	121	207	97	114	278	91	114	346	94	114	312
3822	33522	112	125	222	122	129	202	111	127	203	124	133	251	116	134	346	120	134	299
3823	33523	95	108	290	100	111	245	94	107	245	87	113	290	86	104	314	86	108	302
3824	33524	101	97	259	109	99	206	106	89	223	104	102	228	96	110	314	100	106	271
3825	33525	99	121	249	104	123	206	99	119	220	88	117	204	88	124	330	88	121	267
3826	33526	95	110	256	102	108	188	98	112	199	100	108	238	96	115	380	98	112	308
3827	NDR 359 (NC)	96	114	266	106	107	205	101	112	214	95	102	241	91	125	396	93	113	318
3828	33527	102	113	270	109	111	240	104	113	228	95	120	218	92	131	346	94	126	282
3829	33528	102	120	256	112	116	217	108	119	225	104	117	234	101	124	380	102	121	307
3830	33529	99	132	249	104	131	210	99	135	215	94	124	182	88	124	330	91	124	256
3831	33530	91	114	238	98	115	211	94	123	221	89	114	262	85	116	330	87	115	296
3832	33531	99	105	262	108	107	189	102	112	208	93	105	239	93	120	264	93	113	252
3833	33532	94	90	290	99	93	214	98	94	221	90	92	224	90	111	297	90	102	261
3834	33533	95	116	289	104	115	217	97	118	232	94	98	208	91	126	330	92	112	269
3835	33534	101	115	244	110	118	205	105	119	240	118	120	304	100	131	412	109	126	358
3836	33535	100	126	260	110	122	203	107	124	219	104	116	182	98	134	346	102	125	264
3837	33536	114	123	262	119	117	213	111	117	209	116	128	204	108	117	363	112	123	284
3838	33537	101	118	276	108	119	216	104	117	216	96	115	202	98	125	297	97	120	249
3839	33538	94	110	252	99	111	198	95	115	223	92	114	208	83	102	280	87	108	244
3840	33539	107	144	227	116	138	188	110	140	204	108	130	167	102	152	346	105	141	257
3841	33540	106	102	237	112	101	220	108	111	230	104	112	218	100	117	429	102	114	323
3842	33541	96	115	284	104	126	210	102	115	215	103	86	238	94	122	380	98	104	309
3843	33542	92	112	299	103	116	206	98	119	209	94	104	238	90	116	314	92	110	276
3844	33543	104	132	228	110	123	196	108	117	220	97	131	174	96	127	314	96	129	244
3845	33544	94	118	290	99	122	202	94	107	213	91	109	260	87	118	363	89	113	312
3846	33545	99	120	247	107	114	191	103	120	201	102	106	190	92	127	314	97	116	252
3847	33546	101	130	240	112	133	200	108	130	202	102	123	228	100	142	297	102	133	262
3848	33547	103	136	230	110	138	194	107	140	224	104	134	224	98	138	346	101	136	286
3849	33548	100	120	246	110	126	197	105	124	209	108	124	224	95	136	330	102	130	277
3850	ZC	99	92	258	105	94	210	102	92	223	93	92	258	84	98	314	88	95	286
3851	33549	100	112	240	107	119	197	103	123	224	98	124	231	94	144	330	96	134	280
3852	33550	103	114	252	112	121	200	105	125	222	104	115	208	99	124	314	102	119	261
3853	33551	96	108	252	102	106	190	98	101	208	94	106	204	90	119	314	92	113	259
3854	33552	101	134	273	104	134	227	88	133	227	94	116	253	86	131	346	90	124	300
3855	33553	104	144	260	110	136	209	105	140	214	106	151	212	103	127	314	104	139	262
3856	33554	110	129	234	116	134	190	112	135	199	100	132	250	97	137	346	98	134	298
3857	33555	95	116	271	101	114	196	96	111	205	90	104	264	88	105	330	89	105	297
3858	33556	99	112	254	107	112	210	101	111	218	104	106	224	92	114	330	98	110	277
3859	33557	107	144	256	115	147	200	108	147	225	108	149	185	105	153	346	106	151	266
3860	33558	95	104	286	100	105	204	95	109	207	94	80	192	86	113	330	90	96	261
3861	33559	97	113	254	101	113	199	96	108	220	93	106	337	88	128	314	90	117	325
3862	33560	99	116	288	107	109	240	103	109	236	96	90	253	95	123	330	96	106	292
3863	33561	108	111	247	108	118	182	102	123	205	98	103	175	86	133	346	92	118	261
3864	LC	101	116	280	106	110	221	101	114	237	102	116	252	104	116	346	103	116	299
Experimental Mean		100	116	258	107	118	206	102	117	218	98	112	231	94	122	338	96	118	285
Standard Error		1.1			0.62			1.34			0.39			1.25			0.65		

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Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka			Karnataka (2)			Kerala			Puducherry		
		Mugad			Mandya			Mean			Pattambi			Karaikal		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	100	92	380	122	112	289	112	102	334	100	108	297	93	96	565
3802	33502	90	96	304	126	118	258	108	107	281	93	115	330	92	101	762
3803	33503	110	78	320	120	99	289	115	89	304	98	110	346	90	87	509
3804	33504	95	72	304	126	108	258	110	90	281	96	97	412	90	82	720
3805	33505	110	79	299	114	106	323	112	93	311	106	96	412			
3806	33506	98	68	319	111	100	289	104	84	304	98	112	363	91	96	538
3807	33507	106	81	336	122	109	282	114	95	309	102	110	380	96	102	511
3808	33508	90	82	344	127	105	248	109	93	296	108	111	478	98	99	731
3809	33509	108	106	334	127	85	197	118	96	266	107	102	330	91	96	570
3810	33510	112	73	285	126	93	231	119	83	258	111	107	346	101	87	544
3811	33511	104	72	334	125	90	320	115	81	327	113	95	412	100	90	513
3812	33512	97	102	360	113	116	218	105	109	289	104	115	346	100	106	537
3813	33513	94	74	318	120	102	299	107	88	308	92	106	462	98	104	569
3814	33514	94	78	364	110	73	374	102	75	369	79	87	363	86	58	512
3815	33515	93	107	350	94	109	265	94	108	308	100	89	330	102	108	736
3816	33516	90	94	324	122	102	242	106	98	282	92	105	330	91	86	562
3817	33517	108	95	296	125	105	286	116	100	290	102	113	363	98	110	508
3818	33518	106	89	310	124	108	272	115	99	291	104	101	346	102	96	592
3819	33519	102	80	288	116	95	252	109	88	270	106	102	380	90	93	542
3820	33520	104	75	308	116	85	323	110	80	316	105	102	363	102	72	674
3821	33521	98	81	286	120	99	234	109	90	260	107	108	346	102	104	596
3822	33522	108	94	332	118	114	282	113	104	307	114	119	314	91	112	667
3823	33523	91	93	270	121	95	289	106	94	280	98	97	346	90	76	547
3824	33524	105	71	298	119	80	306	112	76	302	107	99	297	96	85	556
3825	33525	100	89	322	122	111	272	111	100	297	101	110	380	98	94	744
3826	33526	100	83	300	113	88	248	106	85	274	98	100	314	103	77	513
3827	NDR 359 (NC)	99	67	350	115	97	272	107	82	311	96	103	297	101	96	785
3828	33527	110	83	334	113	104	316	111	94	325	101	113	297	100	84	536
3829	33528	101	77	346	123	93	282	112	85	314	108	108	330	104	99	588
3830	33529	99	91	309	125	113	204	112	102	256	98	116	363	102	110	656
3831	33530	87	92	356	126	102	282	107	97	319	91	94	346	102	98	594
3832	33531	98	82	322	122	86	323	110	84	322	104	93	380	102	96	683
3833	33532	94	88	330	110	72	246	102	80	288	94	81	363	102	66	563
3834	33533	91	78	278	125	104	316	108	91	297	100	99	330	92	102	688
3835	33534	109	85	292	125	103	255	117	94	274	108	98	264	103	102	693
3836	33535	104	73	304	127	82	214	116	77	259	98	98	214	102	103	642
3837	33536	113	81	310	127	99	252	120	90	280	108	103	231	98	105	605
3838	33537	102	88	340	116	96	275	109	92	307	106	103	264	89	88	694
3839	33538	98	94	288	112	100	242	105	97	264	96	100	363	90	79	784
3840	33539	106	98	301	114	128	255	110	113	278	110	122	314	91	115	610
3841	33540	108	70	333	119	88	258	114	79	296	108	91	280	92	84	556
3842	33541	104	98	314	114	100	299	109	99	307	100	92	264	91	93	541
3843	33542	98	84	330	125	100	228	111	92	279	102	119	314	91	110	637
3844	33543	108	78	306	119	106	292	114	92	300	98	113	231			
3845	33544	88	96	344	122	97	323	105	97	333	94	97	231	101	96	682
3846	33545	106	81	326	116	100	266	111	91	296	103	108	198	93	94	668
3847	33546	104	98	293	122	104	312	113	101	303	112	121	297	102	101	558
3848	33547	106	89	288	123	113	234	114	101	261	106	124	346	103	105	500
3849	33548	98	77	298	125	103	275	112	90	286	109	124	314	103	99	629
3850	ZC	104	84	306	89	102	309	96	93	308	95	105	314	91	81	511
3851	33549	98	81	326	121	103	303	110	92	315	104	111	330	92	84	558
3852	33550	104	94	287	126	106	306	115	100	296	106	108	346	98	106	592
3853	33551	96	87	292	126	92	316	111	89	304	95	112	429	94	80	510
3854	33552	98	89	259	127	112	292	113	101	276	92	109	363	98	106	602
3855	33553	105	74	302	120	121	268	112	97	285	97	104	297	102	121	661
3856	33554	108	77	268	121	120	275	114	98	272	100	112	280	92	102	660
3857	33555	100	81	282	123	98	258	112	90	270	102	136	346	100	92	570
3858	33556	104	68	276	127	96	330	116	82	303	98	121	314	98	96	617
3859	33557	107	96	371	123	95	336	115	95	354	94	100	264	97	126	590
3860	33558	94	88	294	127	91	272	110	90	283	98	120	363	90	80	548
3861	33559	92	79	283	125	93	272	108	86	278	99	129	214	96	96	620
3862	33560	106	106	320	127	103	336	116	104	328	102	127	231	97	84	570
3863	33561	100	81	306	119	109	364	109	95	335	94	108	248	102	96	565
3864	LC	106	88	340	113	126	296	109	107	318	96	112	214	106	114	794
Experimental Mean		101	84	313	119	101	279	110	93	297	100	107	324	96	95	607
Standard Error		0.81			0.34			0.42			0			1.12		

Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Telangana			Telangana						Telangana (3)			Tamil Nadu		
		Jagtial			Rajendranagar			Warangal			Mean			Adutrai		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	108	122	326	114	133	294	102	112	305	108	122	308	96	95	332
3802	33502	86	137	312	94	120	326	88	130	309	89	129	316	100	75	350
3803	33503	110	102	319	108	105	300	97	108	300	105	105	306	103	75	298
3804	33504	104	103	288	102	108	258	91	112	318	99	108	288	103	74	368
3805	33505	112	102	290	113	106	350	106	117	302	110	108	314	96	81	455
3806	33506	106	107	310	104	107	314	96	108	289	102	107	304	97	96	438
3807	33507	120	110	312	117	113	287	110	120	285	116	114	295	110	80	332
3808	33508	104	111	414	102	113	297	92	127	304	99	117	338	103	72	315
3809	33509	118	109	312	118	106	221	108	116	297	114	110	277	102	84	472
3810	33510	122	108	249	121	104	175	118	116	312	120	109	245	106	76	438
3811	33511	121	96	339	118	99	208	116	110	304	118	102	284	103	70	350
3812	33512	116	130	348	108	122	294	103	143	295	109	132	312	105	60	298
3813	33513	96	104	319	106	107	314	94	121	309	99	111	314	104	65	298
3814	33514	86	80	354	93	71	363	82	84	314	87	78	344	106	70	368
3815	33515	106	119	370	104	112	316	99	133	315	103	121	334	105	68	508
3816	33516	92	104	339	94	102	317	89	122	309	92	110	322	104	94	455
3817	33517	122	120	409	120	110	314	120	120	325	120	117	349	106	90	385
3818	33518	122	123	330	121	105	300	109	119	323	118	116	318	103	75	332
3819	33519	106	122	374	111	105	324	102	120	305	107	116	334	96	95	338
3820	33520	106	91	330	108	86	317	98	98	317	104	92	321	102	69	402
3821	33521	102	114	334	104	104	274	95	111	297	100	110	302	104	95	332
3822	33522	122	123	348	121	121	304	123	141	294	122	128	315	104	82	420
3823	33523	98	118	326	102	94	356	92	115	290	97	109	324	106	80	332
3824	33524	101	89	372	117	90	396	102	97	328	106	92	365	104	65	402
3825	33525	102	130	350	105	103	386	97	124	304	101	119	346	102	75	332
3826	33526	104	109	343	103	102	267	106	120	310	104	111	307	105	80	402
3827	NDR 359 (NC)	104	106	288	104	114	270	95	112	294	101	111	284	102	82	402
3828	33527	106	115	300	108	106	307	98	118	292	104	113	300	106	80	420
3829	33528	118	110	385	106	111	353	97	104	317	107	109	352	106	70	332
3830	33529	100	124	352	106	114	383	94	124	287	100	121	341	103	74	368
3831	33530	98	115	356	106	97	280	92	110	299	98	108	312	98	70	298
3832	33531	102	104	434	116	102	412	100	261	312	106	156	386	104	70	298
3833	33532	98	90	422	128	90	316	94	86	318	107	88	352	102	65	298
3834	33533	98	116	400	100	101	280	91	103	300	96	107	327	104	75	262
3835	33534	106	112	363	118	129	363	100	112	310	108	118	345	105	96	438
3836	33535	116	121	332	121	109	330	104	118	302	113	116	321	101	85	438
3837	33536	116	112	319	120	117	274	112	315	280	116	181	291	104	70	368
3838	33537	106	116	304	103	97	337	97	108	299	102	107	313	99	75	368
3839	33538	96	114	343	130	116	300	90	108	289	106	112	311	98	65	280
3840	33539	120	155	328	120	134	320	110	147	285	117	145	311	102	72	402
3841	33540	122	95	394	118	101	304	110	98	323	116	98	340	104	73	298
3842	33541	104	110	332	106	106	234	97	118	302	102	111	289	106	70	228
3843	33542	98	118	306	106	108	278	96	114	292	100	113	292	112	82	228
3844	33543	100	129	304	106	134	261	98	109	299	101	124	288	96	88	595
3845	33544	96	112	356	130	112	287	88	109	305	105	111	316	96	105	542
3846	33545	106	103	319	108	103	284	100	109	284	105	105	295	102	75	332
3847	33546	122	124	302	108	119	334	106	122	307	112	122	314	104	85	332
3848	33547	118	139	363	106	128	262	104	138	315	110	135	314	102	70	402
3849	33548	118	120	300	108	125	289	106	111	317	111	119	302	104	73	438
3850	ZC	104	104	324	104	107	314	95	116	310	101	109	316	104	75	332
3851	33549	106	120	266	104	115	353	98	123	299	102	119	306	102	80	420
3852	33550	116	103	332	116	116	320	104	110	323	112	110	325	104	82	332
3853	33551	100	105	458	115	102	426	97	103	330	104	103	404	104	84	332
3854	33552	98	120	304	104	120	294	90	123	305	97	121	301	107	90	332
3855	33553	114	137	380	117	134	300	106	237	317	112	170	332	104	76	298
3856	33554	114	129	266	106	132	328	111	213	292	110	158	296	104	76	368
3857	33555	104	116	358	104	110	274	91	207	307	100	144	313	107	76	368
3858	33556	104	102	316	104	105	270	96	190	297	101	132	295	106	76	402
3859	33557	104	146	308	121	129	456	110	219	304	112	165	356	102	70	298
3860	33558	100	101	292	126	106	317	92	202	292	106	136	301	103	80	298
3861	33559	100	104	385	130	110	280	91	107	307	107	107	324	104	82	298
3862	33560	114	103	314	113	109	297	100	112	304	109	108	305	102	75	368
3863	33561	100	128	275	106	122	284	96	125	299	101	125	286	105	82	368
3864	LC	106	99	398	107	107	442	97	104	309	103	104	383	103	84	402
Experimental Mean		106	113	337	110	110	310	99	129	304	106	118	318	103	78	364
Standard Error		0.56			0.6			1.48			0.54			1.73		

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Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (11)			Uttar Pradesh (2)			Maharashtra (4)		
		Tamil Nadu			Tamil Nadu (2)			SOUTHERN (11)			Mean			Mean		
		Coimbatore			Mean			Mean			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	110	116	315	103	106	324	104	112	330	107	99	253	106	124	191
3802	33502	90	111	330	95	93	340	94	115	350	104	109	246	93	126	252
3803	33503	106	96	395	105	86	346	101	97	323	104	94	234	103	111	234
3804	33504	102	97	320	102	86	344	99	98	342	101	88	224	97	112	208
3805	33505	114	105	325	105	93	390	107	103	332	98	94	274	106	110	224
3806	33506	102	106	415	99	101	426	99	104	346	100	94	235	96	113	220
3807	33507	112	113	345	111	96	339	110	108	332	110	94	200	113	121	228
3808	33508	98	109	388	101	91	351	100	106	372	102	93	236	93	117	226
3809	33509	61	113	345	82	99	409	105	105	336	102	98	236	112	112	257
3810	33510	116	104	352	111	90	395	114	101	331	123	90	255	116	116	207
3811	33511	116	94	440	110	82	395	112	94	358	126	97	234	109	104	258
3812	33512	110	130	382	107	95	340	105	117	329	106	107	253	105	134	251
3813	33513	102	102	340	103	83	319	99	100	345	101	102	233	95	120	242
3814	33514	90	64	362	98	67	365	89	74	358	102	81	212	90	89	205
3815	33515	114	117	330	109	92	419	101	111	374	101	97	278	99	118	270
3816	33516	90	81	392	97	88	424	93	102	349	82	106	255	90	111	250
3817	33517	112	114	308	109	102	346	109	113	347	118	91	240	115	125	259
3818	33518	118	114	332	111	95	332	112	107	346	114	96	284	114	121	262
3819	33519	106	136	340	101	116	339	103	107	337	106	88	243	108	116	255
3820	33520	108	84	365	104	77	384	104	87	357	104	91	244	102	97	210
3821	33521	102	96	318	103	96	325	102	104	331	102	94	270	98	119	221
3822	33522				104	82	420	114	117	356	127	76	254	120	129	255
3823	33523	98	95	352	102	87	342	97	98	338	100	90	285	96	108	274
3824	33524	114	85	318	109	75	360	106	88	347	110	87	269	107	99	256
3825	33525	104	96	340	102	86	336	101	107	360	106	105	234	104	121	245
3826	33526	102	95	325	103	87	364	103	98	331	104	98	290	98	111	245
3827	NDR 359 (NC)	102	100	302	102	91	352	100	100	354	104	96	276	100	113	227
3828	33527	112	96	355	109	88	388	104	105	338	106	94	273	105	116	248
3829	33528	110	96	348	108	83	340	107	101	354	113	99	282	110	115	262
3830	33529	102	112	325	103	93	346	101	111	342	108	99	232	100	130	232
3831	33530	102	93	372	100	82	335	98	100	343	100	118	271	94	114	260
3832	33531	100	79	412	102	75	355	103	109	371	108	103	262	104	112	242
3833	33532	98	72	340	100	68	319	100	83	338	103	90	249	97	92	271
3834	33533	100	98	315	102	87	289	99	100	337	112	106	252	100	113	236
3835	33534	114	111	372	109	104	405	110	109	370	110	105	242	109	117	290
3836	33535	112	105	312	107	95	375	108	104	329	118	100	228	108	120	223
3837	33536	120	115	315	112	93	341	113	124	320	120	101	240	115	119	228
3838	33537	104	97	310	101	86	339	101	101	335	111	91	260	103	116	248
3839	33538	100	103	312	99	84	296	99	100	335	110	93	244	96	115	252
3840	33539	124	142	340	113	107	371	110	127	333	118	102	291	112	128	213
3841	33540	112	95	358	108	84	328	109	93	341	116	102	298	110	102	246
3842	33541	106	93	368	106	82	298	102	99	318	106	93	231	103	115	228
3843	33542	102	104	315	106	93	271	101	105	316	107	88	305	98	110	209
3844	33543	112	116	340	104	102	468	103	113	312	113	99	230	108	117	213
3845	33544	90	96	400	93	101	471	99	104	372	98	98	242	93	114	242
3846	33545	114	104	332	108	90	332	104	101	319	109	89	221	107	116	215
3847	33546	112	120	412	108	102	372	109	114	334	118	101	251	110	124	240
3848	33547	114	128	335	108	99	369	108	119	329	122	104	234	108	132	221
3849	33548	114	124	310	109	98	374	108	111	338	107	93	255	107	123	232
3850	ZC	104	95	335	104	85	334	97	96	330	115	110	257	102	100	241
3851	33549	106	106	184	104	93	302	102	108	327	107	98	288	104	121	235
3852	33550	108	104	182	106	93	257	108	106	322	122	103	226	107	120	247
3853	33551	102	88	322	103	86	328	101	98	358	114	90	236	98	107	235
3854	33552	100	115	335	104	103	334	100	112	335	103	100	224	98	132	242
3855	33553	106	126	320	105	101	309	107	128	333	114	104	241	106	129	229
3856	33554	104	126	318	104	101	342	105	123	332	122	101	256	114	132	192
3857	33555	102	86	330	104	81	349	101	110	335	88	97	255	97	113	223
3858	33556	100	88	308	103	82	355	103	106	335	114	98	222	106	111	263
3859	33557	116	76	302	109	73	300	108	123	342	118	110	244	112	142	242
3860	33558	104	96	338	104	88	318	101	105	321	99	106	242	94	104	241
3861	33559	98	96	342	101	89	320	101	103	332	102	96	271	97	115	244
3862	33560	114	63	320	108	69	344	106	99	331	110	99	244	106	114	258
3863	33561	104	115	310	104	98	339	101	109	322	102	96	233	105	119	223
3864	LC	116	113	375	109	98	389	105	107	379	99	108	274	103	108	262
Experimental Mean		105	102	338	104	90	352	104	105	340	108	97	251	104	116	238
Standard Error		6.31			3.26			0.71			0.38			0.33		

Table No. 6.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – IM, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN			ZONE III - EASTERN			ZONE IV - NORTH EASTERN			ZONE VII - SOUTHERN		
		Uttar Pradesh			Uttar Pradesh			Tripura			Karnataka		
		@ Kanpur			@ Prayagraj			@ Arundhutinagar			@ Brahmapur		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3801	33501	66	88	278	114	123	454	92	151	462	114	97	376
3802	33502	51	98	197	102	122	381	85	127	408	114	78	420
3803	33503	74	70	234	109	132	449	89	120	456	119	79	438
3804	33504	67	82	236	110	133	797	89	120	474	118	76	420
3805	33505	64	62	344	118	127	417	96	120	468	114	62	426
3806	33506	52	62	231	108	122	493	89	108	462	102	72	420
3807	33507	66	92	321	118	124	376	86	120	420	96	72	403
3808	33508	60	102	248	109	121	596	86	132	546	88	85	424
3809	33509	67	72	312	118	120	444	90	127	558	105	82	459
3810	33510	76	62	263	124	118	728	95	130	522	91	71	434
3811	33511	75	65	271	124	127	516	91	137	630	108	78	437
3812	33512	65	85	178	116	120	538	88	145	402	110	92	420
3813	33513	60	62	199	110	125	488	84	121	372	98	96	447
3814	33514	54	40	187	106	124	700	86	140	540	111	56	418
3815	33515	72	75	194	105	120	645	91	130	450	92	92	426
3816	33516	60	88	278	109	116	452	83	131	558	98	70	420
3817	33517	54	85	230	126	121	520	94	127	450	116	71	433
3818	33518	58	80	302	128	114	518	86	125	558	108	70	434
3819	33519	62	65	370	118	122	356	88	130	486	104	86	418
3820	33520	69	70	288	113	120	673	94	116	414	97	74	406
3821	33521	68	90	337	111	122	587	91	125	450	106	86	422
3822	33522	69	90	274	124	114	546	93	134	456	113	76	426
3823	33523	64	98	221	110	117	726	90	130	522	109	85	423
3824	33524	76	55	231	119	114	371	92	114	456	102	59	429
3825	33525	64	80	284	106	113	436	90	139	522	94	82	436
3826	33526	62	60	248	115	112	541	91	123	414	110	74	420
3827	NDR 359 (NC)	56	68	260	114	112	718	88	119	450	97	76	405
3828	33527	66	72	265	113	113	581	86	151	522	95	80	424
3829	33528	64	95	254	118	116	436	98	132	414	106	80	424
3830	33529	63	100	270	109	108	660	90	138	432	108	95	431
3831	33530	54	75	194	106	118	457	90	126	468	98	76	420
3832	33531	66	48	179	110	119	761	91	122	486	87	74	432
3833	33532	58	65	342	110	111	667	94	136	450	94	64	430
3834	33533	60	65	351	110	96	667	94	127	486	82	81	405
3835	33534	77	82	208	119	123	498	92	120	504	87	78	404
3836	33535	74	82	275	121	107	495	90	137	414	91	48	396
3837	33536	74	55	309	122	135	693	88	128	414	92	78	423
3838	33537	76	68	173	114	98	483	91	131	360	102	80	431
3839	33538	54	62	291	103	111	599	94	128	468	96	82	438
3840	33539	62	92	324	124	112	513	95	121	396	82	86	433
3841	33540	66	65	276	112	109	541	92	126	396	74	68	429
3842	33541	60	90	163	112	107	401	95	127	414	92	72	420
3843	33542	69	65	199	114	115	455	86	136	450	90	69	406
3844	33543	73	100	335	112	119	490	88	130	378	82	82	422
3845	33544	62	75	276	107	123	662	93	128	450	90	89	424
3846	33545	62	85	230	117	119	686	96	128	450	90	85	433
3847	33546	52	75	335	118	122	419	95	124	486	105	84	415
3848	33547	79	92	297	118	125	769	92	128	378	102	66	406
3849	33548	64	80	244	116	110	441	88	122	414	107	84	419
3850	ZC	62	78	279	122	121	502	85	133	360	96	74	424
3851	33549	57	90	263	112	121	672	90	137	522	97	76	431
3852	33550	76	55	302	114	120	617	95	126	486	85	76	420
3853	33551	73	92	214	109	126	589	96	134	558	82	75	430
3854	33552	63	98	222	108	117	635	98	128	414	93	71	437
3855	33553	67	98	191	122	121	926	96	125	432	89	80	416
3856	33554	78	88	213	112	136	378	87	124	450	102	76	408
3857	33555	55	72	280	112	128	462	85	128	522	92	68	430
3858	33556	57	65	224	115	124	493	90	134	540	90	70	405
3859	33557	68	62	236	122	118	389	91	130	414	92	80	428
3860	33558	56	55	205	104	110	771	92	130	486	101	61	404
3861	33559	62	62	257	112	107	634	93	126	522	98	74	421
3862	33560	72	55	294	117	118	644	96	118	378	92	64	433
3863	33561	69	75	239	114	114	515	95	126	396	94	72	459
3864	LC	53	65	243	117	124	653	89	120	594	104	72	442
Experimental Mean		64	75	257	114	118	558	91	128	462	98	76	423

ADVANCE VARIETY TRIAL 2 & 1 - IRRIGATED LATE (AVT 2 & 1 - Late)

Locations: 44

Test Entries: 9

Checks: Swarna (National), Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern), PA 6444 -HC and Local check **Table: 7**

Advance Variety Trial 2 & 1 - Late (AVT 2 & 1 - L) was constituted with 9 test entries along with checks Swarna (National), Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern), PA 6444 - HC and Local check. The 9 test entries included four entries in the third year of testing and 5 entries in the second year of testing. The trial was sent to 44 locations, data was received from 41 locations and not received from Chiplima, Arundhutinagar and Kathalagere and 34 locations data was considered for analysis. Data from 7 centres were excluded from analysis viz., Nagina, Chinsurah, Bilaspur, Jagadalpur, Brahmavar, Ponnampet and Kurumbapet due to either low (<5%) / high CV (20%) or low experimental yield (<4000Kg/ha) or based on non-significant F Value. Among the centres from which data is included in analysis, location-wise mean grain yield ranged from 4067 kg/ha (Gerua) to 7887 kg/ha (Warangal), while, CV ranged from 3.09% (Ragolu) to 20.43% (Mugad).

Zones	II	III	IV	V	VI	VII
Range: Zonal mean (Kg/ha)	-	5461 (IET 32560)- 6572 (IET 31709)	3633 (Zonal Check) - 4929 (IET 32576)	5118 (IET 32560) – 6422 (IET 31709)	4505 (NC) - 6409 (IET 31709)	5064 (NC) - 6524 (IET 32560)
Exp Mean (Kg/ha)	-	4760 (BBN)- 6923 (JYP)	4067 (GER) - 5061 (TTB)	4791 (SKL) - 6516 (ABP)	4700 (NWG) - 6992 (VDG)	5009 (MTU) - 7887 (WGL)
CV%	3.61 (NGN)	5.12 (JYP) - 12.82 (BNK).	5.71 (LMB)- 12.52 (GER)	5.36 (ABP) – 12.33 (SND).	6.35 (PDG) - 11.51 (NVS)	3.09 (RGL) – 20.43 (MGD)
DFF	-	109 (HC) - 212 (IET 32554)	104 (HC) to -121 (ZC)	100 (HC) - 114 (IET 32554, 32560, 32571)	100 (HC) - 114 (IET 32560)	102 (HC) - 119 (LC)
PH (cm)	-	100 (NC)- 115 (LC)	112 (National Check) - 130 (IET 32576 and LC)	98 (NC) – 118 (IET 32576)	106 (NC) - 125 (ZC, IET 32576)	95 (NC) - 114 (LC)
Pan/m ²	-	284(LC) to 308 (NC)	293 (IET 32554) -319 (IET 32576)	214 (IET 32554) - 257 (LC).	202 (HC) - 240 (IET 32576)	432 (IET 32554) to 548 (HC)
DNI (Data not included)	Trial failed: NGN	NS: CHN	-	NS –BLP, JDP	-	NS: BRM, KBP, LCV – PNP (1.72)
Locations	1	8	3	5	6	11

Performance of the entries with required significant yield superiority over checks in AVT2 &1 Late during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV & Remarks
	II	III	IV	V	VI	VII	
Entries in third year of testing							
31709 (H)* (PAN 21039)	-	6572*#	-	6422*#	6409*#	-	MS, 66.2, 23.84, 45, 4
Entries in second year of testing							
32554 (R 2447- 1027-1-456-1)	-	6428*#	-	-	--	-	SB, 52.0, 27.86, 65, 4 – Dropped because of low HRR
32571 (BRR- 2028)		6232*#	--	-	-	-	SB, 55.0, 28.16, 55, 4 - Dropped due to high AC and low GC
32576 (H) (BAYR 4509)	-	-	-	-	6379*#	-	LB, 64, 28.24, 63, 3 – Promoted in VI
32587 (R 2358- 109-1-86-1)	-	-	-	6276*#	-	-	SB, 61.7, 27.83, 79, 3 – Promoted in V
NC		5727	4831	5532	4505	5064	
ZC		5855	3633	5867	5174	6188	
HC		5802	3685	5560	5753	5280	
LC		5527	4426	5600	5757	5358	
CD		331	335	332	366	355	
BC+CD		6186	5166	6199	6123	6543	
HC+CD		6133	4020	5892	6119	5635	

Performance of IET 31686, IET 31709, IET 31714 and IET 30882 during three years of testing (2023-2025) in late trial

Entry	Years	ZII	ZIII	ZIV	ZV	ZVI	ZVII	Remark
IET 31686 (PAN 21514)	2025	-	-	-	-	-	-	Promising for Zone VI
	2024	-	-	-	-	6353*#	-	
	2023	-	-	7066*#		6144*#	-	
IET 31709 (PAN 21039)	2025	-	6572*#	-	6422*#	6409*#	-	Promising for Zones III, V, VI & VII
	2024	-	6611*#	-	6617*#	6244*#	6283*#	
	2023	-	-	-	-	6259*#	6725*#	
IET 31714 (PHI-23104)	2025	-	-	-	-	-	-	Not Promising
	2024	-	7257*#	-	6305*#	-	-	
	2023	-	-	6835*#	-	6260*#	7276*#	
IET 30882 (CRHR 166)	2025	-	-	-	-	-	-	Not Promising
	2024	-	-	-	-	-	-	
	2023	-	-	-	-	-	-	
	2022	-	7380*#	-	-	-	-	

In late duration trials, there is one hybrid entry (**IET 30882**) which have completed 4 years of testing (2022 to 2025) and three hybrid entries (**IET 31686**, **IET 31709**, **IET 31714**) which completed three years of testing (2023-2025).

IET 31686 (PAN 21514) significantly outperformed the best varietal and hybrid check for two years *ie.*, 1st year (6144 kg/ha) and 2nd year (6353 kg/ha) in Zone VI, whereas it showed superiority only for first year (7066) in Zone IV. **Hence it is promising in Zone VI.**

IET 31709 (PAN 21039) significantly outperformed the best varietal and hybrid check in Zone III, Zone V, Zone VI and Zone VII. **Hence it is promising in Zone III, Zone V, Zone VI and Zone VII**

IET 31714 (PHI-23104) showed no significant outperformance over the best varietal and hybrid check in any zone. Hence, ***It is not promising.***

IET 30882 (CRHR 166), a derivative of the cross CRMS 32A / CRL 123-122-21 showed no significant outperformance over the best varietal and hybrid check in any zone. Hence ***It is not promising.***

Entries promoted to third year of testing (from AVT1-Late to AVT2-Late): Two (2)

Overall/Zones	Number of promoted entries	Entries promoted to AVT 2
Zone-II	-	-
Zone III	-	-
Zone IV	-	-
Zone-V	1	IET 32587
Zone-VI	1	IET 32576
Zone VII	-	-

Table No. 7.1: Composition of entries in Advance Variety Trial 2 & 1 – Late (AVT 2 & 1 – L), Kharif 2025

E. No.	IET No.	Designation	Cross Combination	Zone	GT
3901	31686 (H)*	PAN 21514	12A / AN-5319	VI	LS
3902	31709 (H)*	PAN 21039	Hybrid	III,V,VI	MS
3903	Swarna (National Check)				
3904	31714 (H)*	PHI-23104	Hybrid	III,V	MS
3905	30882(H)* (R)	CRHR 166	CRMS 32A / CRL 123-122-21	IV	LS
3906	32554	R 2447-1027-1-456-1	Pusa 1121/Chattri	II,III,IV, V,VI,VII	SB
3907	Pusa 44 (Northern), NDR 8002 (Eastern and Central), Ranjeet (North Eastern), Salivahana (Western), Pushyami (Southern) (ZC)				
3908	32560	NP 7315	NPG 02/NPG 34	II,III,IV, V,VI,VII	LB
3909	32571	BRR-2028	Radhey/RAU724-48-33	II,III,IV, V,VI,VII	SB
3910	PA 6444 (Hybrid Check)				
3911	32576 (H)	BAYR 4509	Hybrid	II,III,IV, V,VI,VII	LB
3912	32587	R 2358-109-1-86-1	Swarna Sub-1/Kala Namak	V	SB
3913	Local Check				

***3rd year testing entries**

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN	
		Uttar Pradesh	
		@Nagina	
3903	Swarna (NC)		
3906	32554		
3907	ZC	4471	2
3908	32560		
3909	32571		
3910	PA 6444 (HC)	4479	1
3911	32576 (H)		
3913	LC	4048	3
Experimental Mean		4333	
CD(0.05)		355	
CV(%)		3.61	
F val		7.44*	
DOS		26-06-2025	
DOP		23-07-2025	
Local Check Name		P 44	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar		Jharkhand		Odisha						Odisha (3)	
		Bikranganj (Dhangain)		Ranchi		NRRI		Bhubaneswar		Jeypore		Mean	
3902	31709 (H)*	5386	8	6560	1*	6474	6	4551	6	8608	1*	6544	2
3903	Swarna (NC)	6222	5	5133	7	5470	10	3704	10	7051	6	5408	9
3904	31714 (H)*	6831	3	6200	3	7870	2*	5694	2#	5659	8	6408	3
3906	32554	6222	5	5760	5	7190	3	5954	1#	7825	3	6990	1*#
3907	ZC	5146	9	5200	6	5627	9	5565	3	7392	5	6195	6
3908	32560	6286	4	4693	10	6183	7	4407	7	5343	9	5311	10
3909	32571	7873	1#	4907	9	6667	5	4699	5#	7507	4	6291	4
3910	PA 6444 (HC)	6050	7	5947	4	6737	4	3847	9	8252	2	6279	5
3911	32576 (H)	4881	10	6213	2	8380	1*#	4931	4#	5021	10	6111	7
3913	LC	7177	2	5067	8	5953	8	4250	8	6569	7	5591	8
Experimental Mean		6207		5568		6655		4760		6923		6113	
CD(0.05)		874		1099		1457		734		609		652	
CV(%)		8.2		11.51		12.76		8.99		5.12		6.21	
F val		9.89**		3.05*		3.68**		9.74**		36.63**		5.82**	
DOS		16-06-2025		26-06-2025		06-06-2025		21-06-2025		20-06-2025			
DOP		16-07-2025		16-07-2025		25-07-2025		18-07-2025		24-07-2025			
Local Check Name		Sabour Heera		Swarna		CR Dhan 404		Bhargavi		Hasanta			

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN								ZONE III - EASTERN (8)	
		Uttar Pradesh		West Bengal			West Bengal (2)				
		Masodha		Malda		Bankura	Mean		Mean		
3902	31709 (H)*	6607	1#	7102	1*#	7289	1#	7196	1#	6572	1*#
3903	Swarna (NC)	6042	5	6273	4	5917	4	6095	3	5727	7
3904	31714 (H)*	5736	6	6747	2#	3494	10	5121	9	6029	4
3906	32554	6492	2#	5371	8	6611	3#	5991	4	6428	2*#
3907	ZC	5131	9	5564	7	7211	2	6388	2	5855	5
3908	32560	6124	4#	6060	6#	4589	9	5324	7	5461	10
3909	32571	6478	3#	6249	5#	5478	5	5863	5	6232	3*#
3910	PA 6444 (HC)	5251	8	4971	9	5361	6	5166	8	5802	6
3911	32576 (H)	4733	10	6436	3#	5061	8	5748	6	5707	8
3913	LC	5374	7	4736	10	5089	7	4912	10	5527	9
Experimental Mean		5797		5951		5610		5780		5934	
CD(0.05)		656		793		1234		862		331	
CV(%)		6.6		7.77		12.82		8.69		3.26	
F val		8.72**		8.3**		8.15**		5.67**		11.23**	
DOS		19-06-2025		25-06-2025		23-06-2025					
DOP		31-07-2025		08-09-2025		08-07-2025					
Local Check Name		Sambha Mahsuri-sub 1		Kanak		Sampriti					

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN	
		West Bengal	
		@Chinsurah	
3902	31709 (H)*	6484	5
3903	Swarna (NC)	6103	7
3904	31714 (H)*	6540	3
3906	32554	6524	4
3907	ZC	5710	8
3908	32560	6571	2
3909	32571	6659	1
3910	PA 6444 (HC)	6476	6
3911	32576 (H)	5607	10
3913	LC	5638	9
Experimental Mean		6231	
CD(0.05)		1085	
CV(%)		10.15	
F val		1.36ns	
DOS		16-06-2025	
DOP		08-07-2025	
Local Check Name		Kaushalya	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN								ZONE IV - NORTH EASTERN (3)	
		Assam				Assam (2)		Tripura		Mean	
		Gerua		Titabar		Mean		Lembucherra		Mean	
3903	Swarna (NC)	4373	5	5875	2	5124	2	4246	3	4831	3
3905	30882(H)*(R)	3599	8#	4636	8	4118	8#	6093	2*#	4776	4#
3906	32554	5055	1#	4758	5	4906	3#	3963	7	4592	5#
3907	ZC	4634	3	4165	9	4399	6	2100	9	3633	9
3908	32560	4100	6#	5478	3	4789	4#	4100	5	4559	6#
3909	32571	4571	4#	5899	1	5235	1#	4226	4	4899	2#
3910	PA 6444 (HC)	1631	9	5347	4	3489	9	4078	6	3685	8
3911	32576 (H)	3980	7#	4694	6	4337	7#	6115	1*#	4929	1#
3913	LC	4658	2	4694	6	4676	5	3926	8	4426	7
Experimental Mean		4067		5061		4564		4316		4481	
CD(0.05)		882		678		482		426		335	
CV(%)		12.52		7.74		6.1		5.71		4.32	
F val		11.79**		7.26**		11.49**		72.29**		19.56**	
DOS		13-06-2025		21-06-2025				07-01-2025			
DOP		23-07-2025		17-07-2025				24-07-2025			
Local Check Name		Ranjit		Ranjit				Khowai			

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL							
		Chhattisgarh				Chhattisgarh (2)		Maharashtra	
		Ambikhapur		Raipur		Mean		Sakoli	
3902	31709 (H)*	7958	1*#	6096	7	7027	3*#	4667	6
3903	Swarna (NC)	5683	10	5856	9	5770	10	6011	2
3904	31714 (H)*	5690	9	6029	8	5860	9	3844	10
3906	32554	7049	3	7369	2*#	7209	2*#	4889	5
3907	ZC	5772	8	6140	6	5956	7	6133	1
3908	32560	5683		5733	10	5708		3600	
3909	32571	6294	7	6382	4	6338	6	4967	4
3910	PA 6444 (HC)	6504	6	6336	5	6420	5	4522	8
3911	32576 (H)	6984	4	6421	3	6703	4*	4367	9
3912	32587	7520	2*#	7547	1*#	7533	1*#	4667	6
3913	LC	6541	5	5364		5953	8	5033	3
Experimental Mean		6516		6298		6407		4791	
CD(0.05)		595		1003		552		939	
CV(%)		5.36		9.35		5.06		11.51	
F val		15.38**		3.68**		11.39**		5.91**	
DOS		07-03-2025		19-06-2025				24-06-2025	
DOP		08-06-2025		07-08-2025				15-07-2025	
Local Check Name		CG Dhan 1919		Chhattisgarh Dhan 1919				Sakoli 8	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL (5)	
		Maharashtra		Maharashtra (2)		Madhya Pradesh			
		Sindewahi		Mean		Waraseoni		Mean	
3902	31709 (H)*	5985	1#	5326	3#	7403	1*#	6422	1*#
3903	Swarna (NC)	4891	6	5451	2	5221		5532	9
3904	31714 (H)*	5399	2	4622	6	5726	10	5338	10
3906	32554	3859		4374	10	6151	5	5863	4
3907	ZC	5310	3	5722	1	5979	7	5867	3
3908	32560	4560	9	4080		6015	6	5118	
3909	32571	5020	5	4993	5	6167	4	5766	6
3910	PA 6444 (HC)	4509	10	4515	9	5930	8	5560	8
3911	32576 (H)	4687	7	4527	8	6798	3#	5851	5
3912	32587	4567	8	4617	7	7081	2*#	6276	2*#
3913	LC	5229	4	5131	4	5832	9	5600	7
Experimental Mean		4911		4851		6209		5745	
CD(0.05)		1032		558		856		332	
CV(%)		12.33		6.76		8.1		3.4	
F val		2.64*		7.23**		4.82**		11.34**	
DOS		18-06-2025				24-06-2025			
DOP		08-06-2025				22-07-2025			
Local Check Name		SKL-8				MTU 7029			

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL			
		Chhattisgarh			
		@Bilaspur		@Jagadalpur	
3902	31709 (H)*	5533	5	4631	5
3903	Swarna (NC)	5400	8	3790	
3904	31714 (H)*	6067	1	4103	8
3906	32554	6050	2	4436	7
3907	ZC	5333	10	4567	6
3908	32560	5357	9	3823	10
3909	32571	6000	3	4826	4
3910	PA 6444 (HC)	5483	6	4078	9
3911	32576 (H)	5467	7	5249	2
3912	32587	6000	3	5262	1
3913	LC	5063		4896	3
Experimental Mean		5614		4514	
CD(0.05)		886		1507	
CV(%)		9.27		19.59	
F val		1.37ns		1.05ns	
DOS				20-06-2025	
DOP				09-07-2025	
Local Check Name		CG Dhan 1919		CG Dhan 1919	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN									
		Gujarat				Gujarat (2)		Maharashtra			
		Navasari		Nawagam		Mean		Phondaghat		Shirgaon	
3901	31686 (H)*	4375	7	5110	5	4743	6	7644	2*	5887	4
3902	31709 (H)*	4306	9	5413	1	4859	3	7605	4*	6186	2
3903	Swarna (NC)	5080	3	3699	9	4389	8	4388	10	4069	9
3906	32554	4971	4	3792	8	4381	9	6438	8	3165	10
3907	ZC	4703	5	3596	10	4150	10	6581	7	4108	8
3908	32560	5889	2#	5253	3	5571	1*#	7496	5*	4468	7
3909	32571	4653	6	4485	7	4569	7	7614	3*	4877	6
3910	PA 6444 (HC)	4135	10	5358	2	4746	5	6985	6	5676	5
3911	32576 (H)	6023	1#	5109	6	5566	2*#	7689	1*	6205	1
3913	LC	4318	8	5189	4	4753	4	5808	9	5974	3
Experimental Mean		4845		4700		4773		6825		5062	
CD(0.05)		959		822		672		743		790	
CV(%)		11.54		10.19		8.21		6.35		9.1	
F val		4.16**		7.14**		4.36*		18.29**		16.26**	
DOS		18-06-2025		27-06-2025				10-06-2025		09-06-2025	
DOP		14-07-2025		05-08-2025				04-07-2025		01-07-2025	
Local Check Name		GAR-22		GAR 22				Karjat-2		Ratnagiri 8	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (6)	
		Maharashtra				Maharashtra (4)		Mean	
		Vadgaon		Karjat		Mean		Mean	
3901	31686 (H)*	6624	7	5151	9	6327	3	5799	4
3902	31709 (H)*	8189	1*	6755	1#	7184	1*#	6409	1*#
3903	Swarna (NC)		10	5288	6	4582	10	4505	10
3906	32554	6824	6	5455	5#	5470	9	5107	9
3907	ZC	6892	5	5166	8	5687	8	5174	8
3908	32560	5585	9	6184	2#	5933	7	5813	3
3909	32571	6457	8	5230	7	6045	6	5553	7
3910	PA 6444 (HC)	7940	2	4426	10	6257	5	5753	6
3911	32576 (H)	7130	4	6119	3#	6786	2*#	6379	2*#
3913	LC	7287	3	5964	4	6258	4	5757	5
Experimental Mean		6992		5574		6053		5625	
CD(0.05)		858		980		348		366	
CV(%)		7.09		10.25		3.35		3.79	
F val		7.45**		4.18**		37.55**		22.1**	
DOS		30-06-2025		13-06-2025					
DOP		01-08-2025		09-07-2025					
Local Check Name		Karjat-10		Karjat 2					

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Andhra Pradesh				Andhra Pradesh (2)		Karnataka			
		Maruteru		Ragolu		Mean		Mugad		Mandya	
3903	Swarna (NC)	4249	7	7806	2	6027	5	4665	5	3697	8
3906	32554	5712	3#	5396	7	5554	6#	4665	6	6517	4#
3907	ZC	4967	4	7261	3	6114	3	5949	2	6663	3
3908	32560	6016	2*#	8227	1*#	7122	1*#	6209	1#	7302	2#
3909	32571	3671	8	5595	6	4633	8	4538	7	6459	5#
3910	PA 6444 (HC)	4428	6	5300	8	4864	7	4739	4	4636	7
3911	32576 (H)	6091	1*#	6155	5#	6123	2#	5062	3	7500	1*#
3913	LC	4938	5	7204	4	6071	4	4327	8	4901	6
Experimental Mean		5009		6618		5813		5019		5959	
CD(0.05)		823		358		478		671		749	
CV(%)		9.38		3.09		4.69		7.63		7.18	
F val		10.46**		94.65**		25.18**		9.7**		30.94**	
DOS		06-07-2025		02-07-2025				13-08-2025		07-07-2025	
DOP		04-08-2025		28-07-2025				01-09-2025		03-08-2025	
Local Check Name		MTU 1318		MTU 1318				Abhilasha		Rajamudi	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Karnataka		Karnataka (3)		Kerala		Puducherry		Telangana	
		Sirsi		Mean		Pattambi		Karaikal		Warangal	
3903	Swarna (NC)	2614	8	3659	8	2159	7	6822	1	7036	7
3906	32554	4667	5	5283	4	2067	8	6667	3	7584	4
3907	ZC	3990	7	5534	3	6823	1	4422	7	8818	2
3908	32560	5186	3	6232	1#	5852	3#	5244	5	9080	1#
3909	32571	4738	4	5245	5	3974	5	4567	6	8679	3#
3910	PA 6444 (HC)	5529	1	4968	6	4403	4	5789	4	6986	8
3911	32576 (H)	5310	2	5957	2#	6136	2#	4100	8	7372	6
3913	LC	4414	6	4547	7	2969	6	6711	2	7539	5
Experimental Mean		4556		5178		4298		5540		7887	
CD(0.05)		1630		701		1316		1206		1273	
CV(%)		20.43		7.73		17.48		12.43		9.21	
F val		3*		12.32**		17.92**		7.86**		4*	
DOS		23-06-2025						03-09-2025		14-06-2025	
DOP		17-07-2025						06-10-2025		14-07-2025	
Local Check Name		Asha						KKL(R) 1		WGL-44	

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN										ZONE VII - SOUTHERN (11)	
		Telangana		Telangana (2)		Tamil Nadu				Tamil Nadu (2)			
		Rajendranagar		Mean		Aduturai		Coimbatore		Mean		Mean	
3903	Swarna (NC)	5564	7	6300	7	5497	4	5594	7	5546	7	5064	8
3906	32554	6120	4	6852	4	6250	1#	7026	3#	6638	2#	5697	4#
3907	ZC	5656	6	7237	3	5820	2	7699	1	6760	1	6188	2
3908	32560	6450	1	7765	1#	5645	3#	6551	5#	6098	4#	6524	1#
3909	32571	6247	3	7463	2	4839	6	6830	4#	5834	6#	5467	5
3910	PA 6444 (HC)	6386	2	6686	6	4699	8	5183	8	4941	8	5280	7
3911	32576 (H)	6074	5	6723	5	4718	7	7536	2#	6127	3#	6005	3#
3913	LC	4261	8	5900	8	5309	5	6364	6	5836	5	5358	6
Experimental Mean		5845		6866		5347		6598		5972		5698	
CD(0.05)		1099		879		595		732		495		355	
CV(%)		10.74		7.31		6.35		6.34		4.73		3.56	
F val		3.89*		4.44*		8.27**		13.23**		12.82**		18.4**	
DOS		20-06-2025				19-08-2025		11-06-2025					
DOP		23-07-2025				18-09-2025		09-07-2025					
Local Check Name		WGL 44				ADT 51		CR 1009 Sub 1					

Table No. 7.2: Grain Yield (kg/ha) in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN					
		Karnataka				Puducherry	
		@Brahmavar		@Ponnampet		@Kurumbapet	
3903	Swarna (NC)	4444	1	3167	8	6303	3
3906	32554	4268	3	7676	4	6222	4
3907	ZC	4167	5	5907	6	6384	2
3908	32560	3636	8	6889	5	5333	7
3909	32571	4200	4	5815	7	6545	1
3910	PA 6444 (HC)	3771	7	8741	3	5333	7
3911	32576 (H)	4078	6	9620	2	5657	5
3913	LC	4318	2	9815	1	5414	6
Experimental Mean		4110		7204		5899	
CD(0.05)		544		217		1086	
CV(%)		7.56		1.72		10.51	
F val		2.36ns		983.62**		2.07ns	
DOS		22-06-2025		25-07-2025		08-09-2025	
DOP		31-07-2025		26-08-2025		18-10-2025	
Local Check Name		Palguna		Tunga		CR-1009 Sub-1	

Table No. 7.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN		
		Uttar Pradesh		
		@Nagina		
		DFF	PH	PAN
3903	Swarna (NC)			
3906	32554			
3907	ZC	117	93	226
3908	32560			
3909	32571			
3910	PA 6444 (HC)	108	95	230
3911	32576 (H)			
3913	LC	125	116	224
Experimental Mean		116	101	226
Standard Error		0.19		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar			Jharkhand			Odisha						Odisha (3)		
		Bikramganj (Dhangain)			Ranchi			NRRI			Bhubaneswar			Jeypore		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
3902	31709 (H)*	121	114	294	111	103	225	115	126	275	113	118	238	111	97	247
3903	Swarna (NC)	134	112	279	114	85	195	121	116	418	120	107	260	112	93	229
3904	31714 (H)*	126	114	302	108	96	215	121	123	308	111	117	250	123	88	291
3906	32554	135	112	277	114	106	213	128	127	275	120	118	241	115	97	303
3907	ZC	131	109	265	118	106	225	124	129	363	113	109	268	116	96	290
3908	32560	130	115	296	120	102	170	122	124	341	112	125	247	111	87	261
3909	32571	128	118	308	101	106	197	121	135	253	113	132	237	124	99	237
3910	PA 6444 (HC)	118	124	254	106	111	218	104	122	363	98	114	237	115	96	226
3911	32576 (H)	122	128	285	109	111	229	117	131	275	107	112	196	114	86	202
3913	LC	122	115	281	114	105	210	123	136	242	121	115	230	116	99	289
Experimental Mean		126	116	284	111	103	209	119	126	311	112	116	240	115	93	257
Standard Error		0.18			1.67			1.05			0.45			0.45		0.49

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN												ZONE III - EASTERN (8)		
		Uttar Pradesh			West Bengal						West Bengal (2)			Mean		
		Masodha			Malda			Bankura			Mean					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3902	31709 (H)*	114	120	257	110	100	456	119	107	345	114	104	400	114	111	292
3903	Swarna (NC)	113	106	267	123	74	454	110	108	361	116	91	408	118	100	308
3904	31714 (H)*	120	96	256	120	103	457	114	103	330	117	103	393	118	105	301
3906	32554	117	110	279	124	114	439	118	119	360	121	116	399	121	113	298
3907	ZC	116	98	268	120	104	463	121	118	383	121	111	423	120	108	316
3908	32560	113	77	246	120	111	460	119	123	397	120	117	429	118	108	302
3909	32571	112	92	264	122	107	471	121	121	359	122	114	415	118	114	291
3910	PA 6444 (HC)	114	101	254	102	111	414	118	101	369	110	106	391	109	110	292
3911	32576 (H)	118	100	264	121	115	476	122	109	407	121	112	442	116	112	292
3913	LC	113	117	294	121	115	351	115	117	376	118	116	363	118	115	284
Experimental Mean		115	101	264	118	105	444	117	112	368	118	109	406	117	110	298
Standard Error		0.57			1.26			0.97			0.8			0.39		

Table No. 7.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN		
		West Bengal		
		@Chinsurah		
		DDF	PH	PAN
3902	31709 (H)*	124	120	440
3903	Swarna (NC)	129	111	539
3904	31714 (H)*	127	118	539
3906	32554	130	121	374
3907	ZC	128	124	396
3908	32560	126	113	330
3909	32571	126	118	330
3910	PA 6444 (HC)	113	113	440
3911	32576 (H)	127	126	385
3913	LC	124	117	363
Experimental Mean		125	118	413

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN												ZONE IV - NORTH EASTERN (3)		
		Assam						Assam (2)			Tripura					
		Gerua			Titabar			Mean			Lembucherra			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3903	Swarna (NC)	120	118	261	120	124	392	120	121	326	109	94	292	116	112	315
3905	30882(H)*(R)	117	134	260	113	139	385	115	137	322	106	106	292	112	127	312
3906	32554	120	134	260	126	133	377	123	134	319	105	105	242	117	124	293
3907	ZC	120	133	249	126	138	397	123	135	323	117	98	258	121	123	302
3908	32560	120	131	267	117	136	359	118	134	313	117	111	267	118	126	298
3909	32571	120	137	235	118	141	396	119	139	316	111	108	308	116	129	313
3910	PA 6444 (HC)	106	125	245	104	132	369	105	129	307	101	99	308	104	119	307
3911	32576 (H)	117	135	245	115	141	388	116	138	316	103	113	325	111	130	319
3913	LC	120	136	261	127	143	399	123	140	330	111	111	258	119	130	306
Experimental Mean		117	131	253	118	136	384	118	134	319	108	105	283	115	124	307
Standard Error		0			0.61			0.31			1.17			0.5		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL											
		Chhattisgarh						Chhattisgarh (2)			Maharashtra		
		Ambikhapur			Raipur			Mean			Sakoli		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3902	31709 (H)*	105	98	162	105	118	209	105	108	186	108	114	265
3903	Swarna (NC)	106	79	194	109	105	234	107	92	214	111	102	287
3904	31714 (H)*	115	95	163	110	122	207	112	108	185	114	114	240
3906	32554	115	93	139	112	116	225	113	105	182	111	117	278
3907	ZC	107	82	188	105	106	222	106	94	205	105	118	314
3908	32560	116	97	155	113	123	220	114	110	188	111	120	248
3909	32571	118	109	161	114	117	226	116	113	193	111	116	289
3910	PA 6444 (HC)	103	93	149	98	127	220	100	110	184	94	125	255
3911	32576 (H)	108	104	155	106	118	223	107	111	189	107	123	258
3912	32587	108	90	164	111	104	225	110	97	195	112	117	239
3913	LC	106	81	152	106	98	214	106	89	183	111	122	323
Experimental Mean		109	92	162	108	114	220	109	103	191	108	117	272
Standard Error		1.3			0.83			0.9			0.43		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL									ZONE V - CENTRAL (5)		
		Maharashtra			Maharashtra (2)			Madhya Pradesh					
		Sindewahi			Mean			Waraseoni			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3902	31709 (H)*	111	117	232	110	116	249	106	116	243	107	112	222
3903	Swarna (NC)	113	106	270	112	104	278	110	96	266	110	98	250
3904	31714 (H)*	111	114	238	113	114	239	117	116	233	113	112	216
3906	32554	118	113	176	115	115	227	113	110	251	114	110	214
3907	ZC	107	114	264	106	116	289	104	112	264	106	106	250
3908	32560	115	122	241	113	121	244	113	112	236	114	115	220
3909	32571	116	126	192	114	121	240	112	113	228	114	116	219
3910	PA 6444 (HC)	112	112	246	103	118	251	95	108	218	100	113	218
3911	32576 (H)	113	124	251	110	124	254	112	121	216	109	118	221
3912	32587	109	114	240	110	116	240	112	105	271	111	106	228
3913	LC	112	110	342	111	116	332	111	105	255	109	103	257
Experimental Mean		112	115	244	111	116	258	109	110	243	110	110	229
Standard Error		0.39			0.31			1.02			0.45		

Table No. 7.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL					
		Chhattisgarh					
		@Bilaspur			@Jagadapur		
		DDF	PH		DDF	PH	PAN
3902	31709 (H)*	116	88		108	77	195
3903	Swarna (NC)	120	80		108	66	195
3904	31714 (H)*	121	101		113	74	217
3906	32554	123	89		111	73	235
3907	ZC	111	90		98	78	227
3908	32560	123	99		98	81	215
3909	32571	120	102		111	90	267
3910	PA 6444 (HC)	101	102		98	77	197
3911	32576 (H)	115	113		108	87	258
3912	32587	121	100		108	78	230
3913	LC	108	91		101	70	237
Experimental Mean		116	95		105	77	224

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VI- WESTERN														
		Gujarat						Gujarat (2)			Maharashtra					
		Navasari			Nawagam			Mean			Phondaghat			Shirgaon		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3901	31686 (H)*	104	122	192	109	114	278	106	118	235	102	119	108	104	119	178
3902	31709 (H)*	93	124	198	107	114	281	100	119	239	102	119	145	109	116	168
3903	Swarna (NC)	106	105	200	112	108	280	109	106	240	108	97	169	115	101	135
3906	32554	108	120	194	114	124	280	111	122	237	108	120	142	120	119	155
3907	ZC	113	133	174	113	124	269	113	128	222	108	131	138	121	122	169
3908	32560	113	108	207	115	116	280	114	112	244	114	125	133	115	125	164
3909	32571	107	124	212	116	121	268	111	123	240	112	128	179	114	123	163
3910	PA 6444 (HC)	89	126	96	114	114	272	102	120	184	99	119	129	96	123	171
3911	32576 (H)	92	123	234	110	121	281	101	122	258	105	125	219	114	129	151
3913	LC	88	134	213	106	121	275	97	128	244	108	107	174	106	111	181
Experimental Mean		101	121	192	111	117	276	106	120	234	106	119	153	111	118	163
Standard Error		0.7			1.18			0.82			0.54			0.2		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VI- WESTERN									ZONE VI- WESTERN (6)		
		Maharashtra						Maharashtra (4)			Mean		
		Vadgaonmaval			Karjat			Mean			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3901	31686 (H)*	111	92	301	102	118	261	105	112	212	105	114	220
3902	31709 (H)*	111	95	311	104	119	269	107	112	223	104	114	229
3903	Swarna (NC)				109	108	271	111	102	192	110	104	211
3906	32554	112	97	302	111	132	266	112	117	216	112	118	223
3907	ZC	113	103	272	108	140	265	112	124	211	112	125	215
3908	32560	116	104	315	114	121	257	115	119	217	114	116	226
3909	32571	112	105	295	110	134	270	112	122	227	112	122	231
3910	PA 6444 (HC)	106	106	301	98	120	241	100	117	211	100	118	202
3911	32576 (H)	113	107	294	102	142	259	109	126	231	106	125	240
3913	LC	108	93	301	110	111	270	108	106	231	104	113	236
Experimental Mean		111	100	299	106	124	262	109	116	217	108	117	223
Standard Error		0.45			0.86			0.34			0.41		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VII- SOUTHERN														
		Andhra Pradesh						Andhra Pradesh (2)			Karnataka					
		Maruteru			Ragolu			Mean			Mugad			Mandya		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
3903	Swarna (NC)	111	123	290	108	110	194	109	117	242	126	61	280	120	76	283
3906	32554	111	125	273	112	129	251	112	127	262	124	62	310	109	99	306
3907	ZC	112	128	266	112	117	249	112	123	257	123	67	290	106	97	295
3908	32560	111	138	295	108	126	211	109	132	253	129	72	287	124	103	363
3909	32571	109	147	290	117	141	251	113	144	270	130	65	284	123	96	340
3910	PA 6444 (HC)	87	138	286	99	116	245	93	127	266	120	73	271	99	90	351
3911	32576 (H)	103	142	284	105	126	225	104	134	254	123	67	328	95	99	317
3913	LC	123	118	319	117	124	262	120	121	290	118	74	297	129	134	317
Experimental Mean		108	132	287	109	123	236	109	128	262	124	67	293	113	99	321
Standard Error		0.79			0.36			0.39			0.77			0.35		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka (3)			Kerala			Puducherry			Telangana		
		Sirsi			Mean			Pattambi			Karaikal			Warangal		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3903	Swarna (NC)	120	82	363	122	73	430	111	104	378	80	88	440	121	114	355
3906	32554	117	99	336	117	87	430	113	103	299	80	99	395	126	128	349
3907	ZC	113	95	354	114	86	431	110	108	528	84	100	272	119	127	342
3908	32560	122	96	352	125	91	451	109	117	746	85	108	288	121	127	342
3909	32571	120	103	378	125	88	460	106	113	483	102	103	245	117	141	354
3910	PA 6444 (HC)	103	93	559	107	85	580	104	110	557	79	103	299	103	127	338
3911	32576 (H)	113	100	339	110	89	441	105	120	458	85	93	253	118	121	331
3913	LC	130	100	369	126	103	451	115	152	502	113	114	339	105	107	331
Experimental Mean		117	96	381	118	88	459	109	115	493	88	101	316	116	124	342
Standard Error		0.36			0.24			0.67			1.58			0.92		

Table No. 7.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN															ZONE VII - SOUTHERN (11)		
		Telangana			Telangana (2)			Tamil Nadu						Tamil Nadu (2)			Mean		
		Rajendranagar			Mean			Adutrai			Coimbatore			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3903	Swarna (NC)	120	88	460	121	101	408	121	93	344	115	101	310	118	97	327	114	95	457
3906	32554	122	108	349	124	118	349	112	112	318	116	117	333	114	115	326	113	107	432
3907	ZC	121	104	402	120	116	372	113	100	319	114	113	322	114	106	320	112	105	449
3908	32560	123	102	376	122	115	359	116	111	317	116	114	362	116	112	339	115	111	475
3909	32571	119	106	466	118	123	410	118	111	315	116	115	333	117	113	324	116	113	466
3910	PA 6444 (HC)	106	100	440	104	114	389	110	102	303	110	109	327	110	105	315	102	106	548
3911	32576 (H)	118	104	440	118	112	386	113	113	317	112	109	352	112	111	334	108	108	444
3913	LC	116	104	434	111	105	382	120	111	318	124	117	353	122	114	336	119	114	473
Experimental Mean		118	102	420	117	113	382	115	106	318	115	111	336	115	109	328	112	107	468
Standard Error		0.55			0.43			1			0.56			0.56			0.25		

Table No. 7.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN								
		Karnataka						Puducherry		
		@Brahmavar			@Ponnampet			@Kurumbapet		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
3903	Swarna (NC)	110	62	431	116	42	231	100	114	520
3906	32554	104	75	434	112	71	198	100	128	570
3907	ZC	108	73	461	115	71	187	100	122	510
3908	32560	102	71	444	113	71	187	104	121	550
3909	32571	100	66	408	113	68	231	113	124	530
3910	PA 6444 (HC)	100	56	446	115	71	220	113	123	630
3911	32576 (H)	103	80	460	115	71	253	114	126	630
3913	LC	102	82	433	108	81	220	112	112	660
Experimental Mean		103	70	439	113	68	215	107	121	575

Table No. 7.4: Grain quality characteristics of entries in AVT 2 & 1 – Late, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1450	3901	31686 (H)	77.2	68.9	65	6.6	2.02	3.26	LS	VOC	5	25.9	26
1451	3902	31709(H)	80.2	70.8	66.2	5.71	2.13	2.68	MS	VOC	4	23.84	45
1452	3903	Swarna (NC)	78.9	67.5	60.5	5.11	2.28	2.24	SB	VOC	4	24.17	35
1453	3904	31714 (H)	77.7	68.3	59.1	54.44	2.02	2.69	MS	VOC	4	26.72	58
1454	3905	30882(H)											
1455	3906	32554	80.9	71.7	48.6	5.3	2.22	2.38	SB	VOC	4	27.86	65
1456	3907	Pushyami (ZC)											
1457	3908	32560	79.4	71.6	69.7	5.64	1.99	2.83	MS	VOC	3	20.03	89
1458	3909	32571	79.9	65.3	19.9	5.21	2.53	2.05	SB	VOC	4	28.16	55
1459	3910	PA-6444 (HC)	80.1	68.5	57.7	6.14	2.26	2.17	LB	VOC	5	23.58	75
1460	3911	32576 (H)	81.7	72.3	64	6.09	2.25	2.7	LB	VOC	3	28.24	63
1461	3912	32587	78.2	67.9	61.7	5.48	2.22	2.46	SB	A	3	27.83	79
1462	3913	LC											
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL – LATE (IVT – Late)

Locations: 44

Test Entries: 60

Checks: Swarna (National); Zonal checks - Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North Eastern), Salivahana(Western), Pushyami(Southern); PA6444 (Hybrid check); Local Check(LC)

IVT-Late trial was constituted with 60 test entries along with checks Swarna (National), Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana(Western), Pushyami (Southern), PA 6444 -HC and Local check. The trial was sent to 44 locations, data was received from 38 locations and not received from Chiplima, Arundhutinagar, waraseoni, bilaspur Kathalagere and kurumbapet; 31 locations data was considered for analysis. Data from 7 centres were excluded from analysis viz., Nagina, Chinsurah, gerua, Jagadalpur, Nawagam, Ponnampet and Sirsi due to either low (<5%) / high CV (20%) or low experimental yield (<4000Kg/ha) or based on non-significant F Value. Among the centres from which data is included in analysis, location-wise mean grain yield (Kg/ha) ranged from 3738 (NVS) to 6450(ADT), while, CV ranged from 5.2% (BNK) to 24.82 (KRK).

Zones	II	III	IV	V	VI	VII
Range : Zonal mean (Kg/ha)	-	4319 (IET 33602)-6670 (IET 33578)	3137(IET33563) - 6797 (IET 33573)	3248(IET 33593) – 6919 (IET 33585)	3091(IET33593) - 5970 (IET 33593)	4343 (IET33574) - 6254 (IET 33581)
Exp Mean (Kg/ha)	-	4539(SBR)- 5695 (BNK)	3985 (LMB) - 5959 (TTB)	4281 (SKL) - 6352 (ABP)	3738 (NVS) - 5561(PDG)	4301(BRM) - 6450(ADT)
CV%	-	5.2 (BNK) - 19.28(CTK).	8.5 (TTB)- 18.23 (LMB)	7.66(ABP) – 13.9 (SND).	5.32 (PDG) 11.63 (VDG)	6.03 (RGL) – 24.82 (KRK)
DFF	-	97 (IET33602) - 126 (IET 33592)	104 (HC) -135 (IET33570)	100 (IET33566) - 123 (IET 33574)	87(IET33602) - 129 (IET 33593)	90 (IET33619) - 122 (IET33563)
PH (cm)	-	91 (IET33619)- 132(IET33585)	90(IET33593) - 165 (IET 33618)	58 (IET33619) – 130 (IET 33615,33570)	98 (IET33602) - 140 (IET33570)	83 (IET33619) - 128 (IET33567)
Pan/m2	-	248(IET33574) to 304 (IET33578)	235(IET 33602) -412 (IET 33582)	187(IET 33600) - 275 (IET33611)	180(IET33573) - 203 (IET 33606)	293 (IET 33602) - 363(LC)
DNI (Data not included)	Trial failed : NGN	NS: CHN	NS:GER	NS: JDP	LEM:NWG	LCV:PNP LEM:SRS
Locations considered	0	9	2	4	5	11

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**Performance of the entries with required significant yield superiority over checks in IVT
Late during *kharif* 2025**

S L	IET No	II	III	IV	V	VI	VII	Grain quality (GT/HRR/AC/G C/ASV & Remarks
1	33572 - BNR-408 (PVT)	-	5675	4823	6368*#	5042	5978	Promoted in V
2	33578- NPH-X 95 (H) (PVT)	-	6670 *#	6743	6088*#	5148	5907	Promoted in III and V
3	33579- BRR 0309	-	6072	5593	6347*#	5350	5501	Promoted in V
4	33580- BRR 0253	-	5570	4759	6639*#	5017	5354	Promoted in V
5	33582- NP 11258 (PVT)	-	5895	6687	6168*#	5177	5674	Promoted in V
6	33585- R 2847-kh-23- LST-C8-80-1	-	5562	4868	6919*#	5156	5504	Promoted in V
7	33586- R 2429-402-8- 378-1	-	5180	4588	6386*#	4137	4649	Promoted in V
8	33587- MTU 1433 (MTU 2550-52-2-1-1)	-	5821	5594	6025*#	5080	5095	Promoted in V
9	33595- RRX 3529(H) (PVT)	-	5713	5778	6372*#	5970	5445	Promoted in V
Swarna (NC)		-	5921	6566	5172	4617	5984	
ZC		-	5502	4336	5522	5701	5603	
PA 6444 (HC)		-	5806	4937	5166	5460	5557	
LC		-	5633	4813	5483	5194	5475	
CD		-	455	955	488	424	353	
BC+CD		-	6376	7521	6010	6125	6337	
HC+CD		-	6261	5892	5654	5884	5910	

List of promising entries promoted from IVT - L to AVT -1 (Late)

Overall/Zones	Number of promoted entries	Entries promoted to AVT 1
Zone-II	-	-
Zone III	1	33578
Zone IV	-	-
Zone-V	9	33572, 33578, 33579, 33580, 33582, 33585, 33586, 33587, 33595
Zone-VI		
Zone VII	-	-

Table No. 8.1: Composition of entries in Initial Variety Trial – Late (IVT – L), Kharif 2025

Entry No.	IET No	Designation	Cross Combination	Grain type
4001	33562	2022-412-21-3-2	RP bio 226/IR 91159-65-2-2-3-1	MS
4002	33563	1011-100-56-1-4-1	Swarna/IET 21287	MS
4003	33564	201-9-4-3-B	JGL 3844/KAUM 166-2	MS
4004	33565	2490-20-5-4-2	MTU 1075/MTU 1262	MS
4005	33566	TRC 2025-9	Tripura NirogXTripura Jala	MS
4006	33567	TRC 2025-8	Tripura NirogXTripura Jala	MS
4007	33568	NVSR-1634	IET-24766XIET-25477	LB
4008	33569	NVSR-1578	IET-25453XIET-25459	SB
4009	33570	TTB 1375-7-9-3	IRGC 71493/R*3	LB
4010	33571	TTB 1355-18-11-1	IRGC 67439/R*2	SB
4011	33572	BNR-408 (PVT)	Selection from MTU 7029	MB
4012	33573	RGL 7046 (RGL 2034-7-1-1)	(MTU 1210/MTU 1224)/RP Bio 226)	SB
4013	33574	BPT 3263	MTU 7029/IRGC 18195/MTU 1081	MB
4014	Swarna (National Check)			
4015	33575	BPT 3357	MTU 7029/IRGC 18195/MTU 1081	MS
4016	33576	NLR 3937	NLR 33892 X NLR 40024	SG,MS
4017	33577	NPH-X 92 (H) (PVT)		MB
4018	33578	NPH-X 95 (H) (PVT)		MB
4019	33579	BRR 0309	Rajendra Mahsuri X GGV 0501	MS
4020	33580	BRR 0253	Rajendra Mahsuri-1 X IRBB58	LS
4021	33581	NP 11256 (PVT)	NP 9557 X NP 9369	SB
4022	33582	NP 11258 (PVT)	NP 9558 X NP 9369	SB
4023	33583	NDR 2025-10-CP-08	HKL-147/Pusa sugandha 5	LS
4024	33584	NDR 2025-11-CP-09	HUR 4-3/NDR 359	LS
4025	33585	R 2847-kh-23-LST-C8-80-1	R 1853-105-1-821/ IR17A1739	LB
4026	33586	R 2429-402-8-378-1	Swatna/IR 42242	LB
4027	Pusa 44 (Northern), NDR 8002 (Eastern and Central), Ranjeet (North Eastern), Salivahana (Western), Pushyami (Southern) (ZC)			
4028	33587	MTU 1433 (MTU 2550-52-2-1-1)	MTU 5249/RPBIO 226	MS BG
4029	33588	MTU 1434 (MTU 2673-6-1-1-1)	MTU 1434 (MTU 2673-6-1-1-1)	MS SG
4030	33589	MTU 1457 (MTU 2914-24-1-2-1)	MTU 1166/NLR34449	MS SG
4031	33590	KJT RHR-2107	KJT 1515-10-5/Karjat 7	LS
4032	33591	AD 18159	CR 1009/OR3611-1-1-2	MS
4033	33592	AD 18153	CR1009/MTU1075	SB
4034	33593	AD 21261	AD11024/AD13125	SB
4035	33594	KNM 18535	KNM 1638 X JGL 27356	MS
4036	33595	RRX 3529(H) (PVT)		SB
4037	33596	MSN-125	TUNGA/CR-2711-76(29-2-1-1-1-3-1-B)	MB
4038	33597	OR ABT-14	MTU 1010/PB-1 mutant	MS

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4039	33598	OR 2780	Mahalaxmi/CN 1231-11-7	MB
4040	33599	CR 6452-184-18-4-1-1	CRL123 / N1248	LS
4041	33600	CR 6507-68-2-2-1	Tapaswini / IET 26641	MS
4042	33601	CR 4708-12-4-1-1	Pooja /IR 75870-8-1-2-B-6-1-1-B	LS
4043		PA 6444 (HC)	Hybrid Check	
4044	33602	CRAC-6465-72	Doubled Haploid of A42xN22	MB
4045	33603	CRAC-6467-40-1	Doubled Haploid of CRHR 150	MB
4046	33604	CR 6452-135-7-1-1-1	CRL123 / N1248	MB
4047	33605	CR 4492-3-1-1-1	CR 3856-44-22-2-1-11-5-1/Moti gold	LB
4048	33606	CR 6538 - 6-3-2-1-1	CR3516-11-2-2-1-1-1-/CR3516-25-1-1-1-1	MS
4049	33607	CR6325 - 3-1-2-2-1	CR4359-1-2-1-1-4/CR Dhan 308	MB
4050	33608	CR 6539 -1-1-3-1-1	CR 3573-3-1-3-1-1-1/CR 3564-1-1-3-1-1	MS
4051	33609	CR 4632-1-1-1-1	CR DHAN-316-1/EC-491295	SB
4052	33610	CR 6529-3-1-1-1	CR 4121-142-1*2/ Ramlakhan	SB
4053	33611	CR-4169-22-1-B	Swarnanjali/CR Dhan 800	MS
4054	33612	GNV-2261	IR15M1302/GNV-2077	LB
4055	33613	RP 6874-JBB-L277-11	Swarna/IRGC 4059//Swarna*2/IRGC 48960	MS
4056	33614	RP 6874-JBB-L277-14	Swarna/IRGC 4059//Swarna*2/IRGC 48960	MS
4057	33615	RP 6737 KP-85	T1-17 X BPT-5204	MS
4058	33616	RP 6917 MSM-99-55	BPT-5204 X SM-93	MS
4059	33617	RP 5484-KS2202-072	Swarna/IRGC 63248//RP Bio 226	MS
4060	33618	RP5504-KS2202-81	Swarna/IRGC19922//MTU1081	MB
4061	33619	RP6460-db-C3-328	166s-swarna/0.nivara//148-swarna/0.nivara	LB
4062	33620	KAUPTB JS-2-1-1-1	Pureline selection from jaya	LB
4063	33621	KAUPTB 0615-01-23-21	Pranava X Chettadi	LB
4064		Local Check		

Table No. 8.2: Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar				Bihar (2)		Jharkhand		Odisha			
		Bikramganj (Dhangain)		Sabour		Mean		Ranchi		Bhubaneswar		Jeypore	
4001	33562	8044	3	4370		6207	5	4015		4575		6248	
4002	33563							4070		5556		4757	
4003	33564	4356		5501	#	4928		4785	#	5507		6589	9
4004	33565							4125		5229		5804	
4005	33566	7150	6	3244		5197		4235		3186		4491	
4006	33567	5233		3301		4267		6710	7#	3873		3661	
4007	33568	3872		4494		4183		5390	#	4739		5361	
4008	33569	3700		3926		3813		4785	#	6373	5	4957	
4009	33570	4578		4174		4376		6930	4#	6209		6430	
4010	33571	4994		3244		4119		6325	#	6046		6126	
4011	33572	4567		5181	#	4874		5530	#	5637		6178	
4012	33573	4422		6431	3#	5427		6115	#	6618	3	6270	
4013	33574	4239		3270		3754		3825		2533		5019	
4014	Swarna (NC)	5833		4917		5375		6960	2	5882		6159	
4015	33575	4722		4148		4435		4405		3758		6091	
4016	33576	4239		3755		3997		4070		4085		5043	
4017	33577	5283		6353	4#	5818	9	6875	5#	5719		6985	5
4018	33578	5011		6663	1*#	5837	7	7040	1#	9395	1*#	5300	
4019	33579	4489		6658	2*#	5573		5555	#	6291	7	7381	2
4020	33580	4111		6028	6#	5070		4730	#	5801		6007	
4021	33581	6778	9	6064	5#	6421	2	6710	7#	6258	10	5543	
4022	33582	6361		5816	8#	6089	6	6710	7#	4248		6111	
4023	33583	5572		3543		4558		4235		3922		4159	
4024	33584	5800		3693		4747		4925	#	3676		5059	
4025	33585	6978	7	3993		5485		6960	2#	3676		5333	
4026	33586	5144		4607		4876		3715		5065		7130	3
4027	ZC	4389		4876		4632		4290		6209		5233	
4028	33587	5706		5320	#	5513		4345		6699	2	5969	
4029	33588	5178		5548	#	5363		6545	#	5229		6680	8
4030	33589			3642		3642		4210		5621		7469	1
4031	33590	4089		3993		4041		4705	#	4085		3185	
4032	33591							4565	#	6209		7107	4
4033	33592	6017		5646	9#	5831	8	5390	#	5719		4778	
4034	33593							3905		4412		5157	
4035	33594	6744	10	4153		5449		4455		3399		6541	10
4036	33595	4539		5284	#	4911		6765	6#	6291	7	5844	
4037	33596	6822	8	4607		5715	10	6545	#	5719		4546	
4038	33597	7850	5	4695		6273	4	4620	#	5882		5350	
4039	33598	4689		3197		3943		4015		4918		6157	
4040	33599	5083		4783		4933		4730	#	4281		6798	6
4041	33600			4241		4241		5390	#	4118		3698	
4042	33601	6650		4106		5378		4895	#	4314		5019	
4043	PA 6444 (HC)	8639	1	4179		6409	3	3685		6291	7	6270	
4044	33602	7867	4	3430		5648		4840	#	1765		5674	
4045	33603	5361		4649		5005		5335	#	3399		6465	
4046	33604	5322		4535		4929		4925	#	5637		6365	
4047	33605	5456		3951		4704		5940	#	6209		5900	
4048	33606	4133		4230		4182		4895	#	5392		6730	7
4049	33607	5372		5026	#	5199		5885	#	5392		6096	
4050	33608	5806		5610	10#	5708		5720	#	4837		2778	
4051	33609	6061		4778		5420		6710	7#	5392		5726	
4052	33610	4889		4282		4585		5530	#	2712		5667	
4053	33611	5372		4923		5147		4785	#	6405	4	5344	
4054	33612	5306		3838		4572		5640	#	2451		2552	
4055	33613	5983		4220		5102		5500	#	6373	5	6193	
4056	33614	5739		3616		4677		4620	#	5310		5094	
4057	33615	6094		3585		4840		5115	#	2761		5641	
4058	33616	5500		3920		4710		4320		4003		2872	
4059	33617	5406		3786		4596		5225	#	4771		4952	
4060	33618	5439		3957		4698		4455		5392		5126	
4061	33619	5639		3311		4475		4300		1863		4304	
4062	33620	5561		4556		5058		3850		4575		4120	
4063	33621	6417		4644		5530		5610	#	5016		5022	
4064	LC	8089	2	5863	7	6976	1	5420		4412		5444	
Experimental Mean		5564		4539		5024		5178		4958		5501	
CD(0.05)		1019		766		664		782		795		1825	
CV(%)		9.14		8.43		6.61		7.56		8.02		16.61	
F val		9.94**		11.73**		9.61**		12.81**		23.19**		2.88**	
DOS		16-06-2025		07-06-2025				26-06-2025		21-06-2025		21-06-2025	
DOP		16-07-2025		07-07-2025				14-07-2025		18-07-2025		22-07-2025	
Local Check Name		Sabour Shriram		Sabour Sampanna Dhan				Swarna		Bhargavi		Hasanta	

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Odisha		Odisha (3)		Uttar Pradesh		West Bengal			West Bengal (2)		
		NRRI		Mean		Masodha		Malda		Bankura		Mean	
4001	33562	7190	4	6005		2699		5250		5267		5258	
4002	33563	6800		5704		1642		3215		5425	#	4320	
4003	33564	6915		6337		5286		6770		4242		5506	
4004	33565	7015		6016		4754		4635		6633	#	5634	
4005	33566	5320		4332		2134		5585		6325	#	5955	#
4006	33567	3285		3606		5133		4825		5467	#	5146	
4007	33568	4929		5010		5585		5470		5300		5385	
4008	33569	3650		4993		5399		4910		6250	#	5580	
4009	33570	5330		5990		4621		4980		4733		4857	
4010	33571	7050	8	6407	8	5818		6550		6983	8#	6767	6#
4011	33572	6840		6218		5585		6800	10#	4758		5779	
4012	33573	7310	2	6733	4	6217	5	6935	9#	5417	#	6176	#
4013	33574	7025	9	4859		5120		3965		4875		4420	
4014	Swarna (NC)	6710		6250		5718		6530		4583		5557	
4015	33575	5260		5036		4096		5475		6433	#	5954	#
4016	33576	4790		4639		4096		3735		4817		4276	
4017	33577	5350		6018		6489	3	6575		5633	#	6104	#
4018	33578	6420		7038	1	5951	10	7260	3#	6992	7#	7126	3*#
4019	33579	6679		6784	3	5718		7465	2#	4408		5937	#
4020	33580	7021	10	6276		4900		6185		5350		5768	
4021	33581	6895		6232		5884		6950	8#	4950		5950	#
4022	33582	5771		5377		6549	2	6580		4908		5744	
4023	33583	5000		4360		4129		4975		7308	5#	6142	#
4024	33584	3575		4104		4455		4240		6825	#	5532	
4025	33585	3800		4270		4754		6710		7850	3*#	7280	2*#
4026	33586	4620		5605		5086		6005		5250		5628	
4027	ZC	6140		5861		5652		5770		6958	10	6364	9
4028	33587	6540		6403	10	4388		7140	5#	6283	#	6712	8#
4029	33588	5020		5643		4335		5275		8233	2*#	6754	7#
4030	33589	6340		6476	6	6024	9	5825		4533		5179	
4031	33590	5560		4277		5652		5515		6750	#	6132	#
4032	33591	7430	1	6916	2	2653		6085		5725	#	5905	#
4033	33592	6250		5582		4222		5995		6467	#	6231	#
4034	33593	6820		5463		3391		5240		3083		4162	
4035	33594	3710		4550		4654		4845		5342		5093	
4036	33595	4520		5552		5519		7195	4#	5458	#	6327	10#
4037	33596	6960		5742		5100		6445		5250		5848	#
4038	33597	6071		5768		5785		7030	7#	4717		5873	#
4039	33598	4470		5182		4195		4760		6300	#	5530	
4040	33599	5100		5393		5731		7995	1#	6650	#	7322	1*#
4041	33600	5290		4369		5319		5085				5085	
4042	33601	3580		4304		4967		6250		4617		5433	
4043	PA 6444 (HC)	7194	3	6585	5	5918		5280		4800		5040	
4044	33602	2785		3408		4056		4225		4233		4229	
4045	33603	7060	7	5641		5432		5090		8675	1*#	6882	4#
4046	33604	4965		5656		5731		5775		4750		5262	
4047	33605	7155	5	6421	7	5791		5195		7275	6#	6235	#
4048	33606	5815		5979		5253		4940		4108		4524	
4049	33607	5340		5609		6170	6	7115	6#	4458		5787	
4050	33608	5500		4371		6449	4	6765		4417		5591	
4051	33609	6035		5718		6117	7	5420		6925	#	6172	#
4052	33610	5020		4466		6822	1	4680		6683	#	5682	
4053	33611	6985		6245		5199		5935		4417		5176	
4054	33612			2501		4588		5570		6975	9#	6272	#
4055	33613	6645		6403	9	6037	8	5425		6250	#	5838	#
4056	33614	7090	6	5832		5253		6230		4892		5561	
4057	33615	4521		4308		5585		4280		6217	#	5248	
4058	33616	4680		3852		5718		4985		4458		4722	
4059	33617	4915		4879		5492		5075		6125	#	5600	
4060	33618	4856		5125		5758		5155		6192	#	5673	
4061	33619	3725		3297		5499		5640		6083	#	5862	#
4062	33620	5080		4592		4688		5225		4417		4821	
4063	33621	5270		5103		5738		6280		7433	4#	6857	5#
4064	LC	5579		5145		5439		4825		5625		5225	

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN (9)		ZONE IV - NORTH EASTERN			ZONE IV - NORTH EASTERN (2)		ZONE V - CENTRAL				
				Assam		Tripura			Chhattisgarh				
		Mean		Titabar		Lembucherra		Mean		Ambikhapur		Raipur	
4001	33562	5295		5248		2875		4062		6789		4701	
4002	33563	4495		3461		2812		3137		4456		2717	
4003	33564	5550		7650	7	3838	#	5744		6367		5864	
4004	33565	5456		4329		4162	#	4246		4489		2968	
4005	33566	4630		4882		3388		4135		6767		4862	
4006	33567	4610		4972		4750	#	4861		5767		4446	
4007	33568	5016		6078		3875	#	4977		7000		5896	
4008	33569	4883		5984		2712		4348		5694		5858	
4009	33570	5332		6106		3562	#	4834		5278		4680	
4010	33571	5904	8	7059		5625	6*#	6342	6#	6011		4853	
4011	33572	5675		5708		3938	#	4823		7889	6	6713	5
4012	33573	6193	3	7781	6	5812	4*#	6797	1#	7356	8	4685	
4013	33574	4430		3888		4625	#	4256		4544		2791	
4014	Swarna (NC)	5921	6	8981	2	4150		6566	4	6567		5022	
4015	33575	4932		5736		2275		4005		5850		3630	
4016	33576	4292		4521		6250	1*#	5385		4450		3183	
4017	33577	6140	4	6711		6050	2*#	6381	5#	7111		6864	3*
4018	33578	6670	1*#	8236	3	5250	8#	6743	2#	6228		5663	
4019	33579	6072	5	7260	10	3925	#	5593		8389	3*#	6513	6
4020	33580	5570		6768		2750		4759		6844		6141	
4021	33581	6226	2	6275		4488	#	5381		6211		5923	
4022	33582	5895	9	9474	1#	3900	#	6687	3#	6944		6750	4
4023	33583	4760		4615		3212		3914		5978		6467	7
4024	33584	4694		5511		4850	10#	5180		5722		5550	
4025	33585	5562		6160		3575	#	4868		8522	1*#	6964	2*
4026	33586	5180		5863		3312		4588		8433	2*#	7186	1*
4027	ZC	5502		6247		2425		4336		5778		5970	
4028	33587	5821		6951		4238	#	5594		6922		6103	
4029	33588	5782		6636		3462		5049		5450		5652	
4030	33589	5458		5469		2950		4209		5278		3646	
4031	33590	4837		5919		3750	#	4834		5944		4747	
4032	33591	5682		3086		4375	#	3730		4722		3893	
4033	33592	5609		5581		2362		3972		6422		6002	
4034	33593	4573		3034		3850	#	3442		4533		2709	
4035	33594	4871		6463		4025	#	5244		6078		3960	
4036	33595	5713		5731		5825	3*#	5778	10	6833		6069	
4037	33596	5777		6369		3875	#	5122		6167		6188	
4038	33597	5778		7021		4000	#	5510		7983	5	6303	9
4039	33598	4745		5872		5700	5*#	5786	9	4478		3329	
4040	33599	5684		6739		3612	#	5176		7517	7	5312	
4041	33600	4734				5375	7#	5375		6533			
4042	33601	4933		5937		3388		4662		7194		5916	
4043	PA 6444 (HC)	5806		7861	5	2012		4937		7328	9	6341	8
4044	33602	4319		2528		3875	#	3202		6389		4215	
4045	33603	5718		4676		3500	#	4088		6172		5111	
4046	33604	5334		4948		3725	#	4336		6922		4356	
4047	33605	5875	10	6876		4912	9#	5894	8#	6194		4530	
4048	33606	5055		5558		4612	#	5085		6778		4314	
4049	33607	5651		6552		3938	#	5245		5828		4210	
4050	33608	5320		8128	4	4075	#	6101	7#	6822		5015	
4051	33609	5907	7	7105		3962	#	5534		6761		4548	
4052	33610	5143		6158		4125	#	5142		5811		4719	
4053	33611	5485		6116		4112	#	5114		6644		5727	
4054	33612	4615		6749		3700	#	5224		6411		4502	
4055	33613	5847		7312	9	3762	#	5537		6689		5144	
4056	33614	5316		7359	8	3625	#	5492		6200		5078	
4057	33615	4867		5038		4462	#	4750		6278		4526	
4058	33616	4495		6003		3812	#	4908		5700		4508	
4059	33617	5083		5895		3475	#	4685		6183		4401	
4060	33618	5148		5792		4038	#	4915		6322		4891	
4061	33619	4485		2980		4350	#	3665		6161		4302	
4062	33620	4675		5234		4225	#	4730		5994		4998	
4063	33621	5714		4010		4125	#	4068		8150	4	6284	10
4064	LC	5633		6201		3425		4813		7272	10	5170	
Experimental Mean		5318		5959		3985		4967		6352		5073	
CD(0.05)		455		1012		1452		955		972		889	
CV(%)		4.28		8.5		18.23		9.63		7.66		8.77	
F val		11.83**		15.36**		3.12**		6.16**		8.07**		12.51**	
DOS				28-06-2025		10-07-2025				03-07-2025		19-06-2025	
DOP				28-07-2025		05-08-2025				30-07-2025		12-07-2025	
Local Check Name				Ranjit		Gomati				CG Dhan 1919		Chhattisgarh Dhan 1919	

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL (4)		ZONE VI - WESTERN	
		Chhattisgarh (2)		Maharashtra		Maharashtra (2)		Mean		Gujarat	
		Mean		Sakoli		Sindewahi		Mean		Navasari	
4001	33562	5745		5700	5#	5410	#	5555	8#	5650	
4002	33563	3586		3100		3545		3322		3454	
4003	33564	6115		4300		4305		4303	#	5209	
4004	33565	3728		3300		2820		3060		3394	
4005	33566	5814		4600	#	3200		3900		4857	
4006	33567	5107		3600		2996		3298		4202	
4007	33568	6448		5650	6#	5370	#	5510	10#	5979	10#
4008	33569	5776		4450		3755		4102		4939	
4009	33570	4979		4650	#	7575	1*#	6113	4*#	5546	
4010	33571	5432		4100		4995	#	4548	#	4990	
4011	33572	7301	4*	5250	9#	5620	9#	5435	#	6368	5*#
4012	33573	6020		4850	#	3960		4405	#	5213	
4013	33574	3668		3300		2885		3092		3380	
4014	Swarna (NC)	5794		4450		4651		4550		5172	
4015	33575	4740		3300		3120		3210		3975	
4016	33576	3816		2750		3190		2970		3393	
4017	33577	6987	7*	4650	#	3855		4253		5620	
4018	33578	5945		5150	#	7310	4*#	6230	3*#	6088	8*#
4019	33579	7451	3*	5500	8#	4985	#	5243	#	6347	6*#
4020	33580	6493		6200	2#	7371	3*#	6785	1*#	6639	2*#
4021	33581	6067		5550	7#	6016	7#	5783	6#	5925	#
4022	33582	6847	8	5050	#	5925	8#	5488	#	6168	7*#
4023	33583	6222		4700	#	4386		4543	#	5383	
4024	33584	5636		3500		2920		3210		4423	
4025	33585	7743	2*#	6650	1*#	5540	#	6095	5*#	6919	1*#
4026	33586	7809	1*#	4800	#	5126	#	4963	#	6386	3*#
4027	ZC	5874		4950		5390		5170		5522	
4028	33587	6512		4400		6676	5*#	5538	9#	6025	9*#
4029	33588	5551		3250		4920	#	4085		4818	
4030	33589	4462		3000		4960	#	3980		4221	
4031	33590	5345		3950		4141		4045		4695	
4032	33591	4308		2950		4709		3829		4068	
4033	33592	6212		4200		4050		4125		5169	
4034	33593	3621		2850		2901		2875		3248	
4035	33594	5019		4100		4631		4365	#	4692	
4036	33595	6451		5150	#	7435	2*#	6293	2*#	6372	4*#
4037	33596	6178		2950		4511		3730		4954	
4038	33597	7143	6*	2750		4741	#	3745		5444	
4039	33598	3903		3300		3610		3455		3679	
4040	33599	6414		4250		3685		3968		5191	
4041	33600	6533		3850		4220		4035		4868	
4042	33601	6555	10	3100		4305		3702		5129	
4043	PA 6444 (HC)	6835	9	3550		3445		3498		5166	
4044	33602	5302		2900		3720		3310		4306	
4045	33603	5641		3900		4440		4170		4906	
4046	33604	5639		5200	#	5205	#	5203	#	5421	
4047	33605	5362		3700		4100		3900		4631	
4048	33606	5546		3550		3335		3443		4494	
4049	33607	5019		3650		4886	#	4268	#	4643	
4050	33608	5919		5200	#	4495		4848	#	5383	
4051	33609	5654		4150		4776	#	4463	#	5059	
4052	33610	5265		4150		4490		4320	#	4792	
4053	33611	6186		5800	4#	4730	#	5265	#	5725	#
4054	33612	5457		4250		4345		4298	#	4877	
4055	33613	5916		6050	3#	5470	#	5760	7#	5838	#
4056	33614	5639		5100	#	5561	10#	5331	#	5485	
4057	33615	5402		4100		3608		3854		4628	
4058	33616	5104		3900		6391	6#	5145	#	5125	
4059	33617	5292		5000	#	3631		4315	#	4804	
4060	33618	5607		4150		3800		3975		4791	
4061	33619	5231		4200		4685		4443	#	4837	
4062	33620	5496		3900		4365		4133		4814	
4063	33621	7217	5*	4250		3730		3990		5603	
4064	LC	6221		5250	9	4240		4745		5483	
Experimental Mean		5724		4281		4581		4431		5071	
CD(0.05)		720		1032		1272		769		488	
CV(%)		6.29		12.06		13.9		8.68		4.82	
F val		14.81**		6.62**		6.55**		11.55**		23.07**	
DOS				24-06-2025		18-06-2025				18-06-2025	
DOP				04-08-2025		07-08-2025				08-07-2025	
Local Check Name				Sakoli 8		SKL 8				GAR-22	

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN								ZONE VI - WESTERN (5)		ZONE VII - SOUTHERN			
		Maharashtra				Maharashtra (4)		Mean		Mean		Andhra Pradesh Maruteru			
		Phondaghat	Karjat	Vadgaon	Shirgaon	Mean									
4001	33562	5220		3908		6192		3817		4784		4822		4936	
4002	33563	4745		4812		4024		3745		4331		4185		5966	
4003	33564	6088		6058	#	5077		4115		5335		5172		5394	
4004	33565	6250		4843		3972		2130		4299		4320		4716	
4005	33566	4873		2561		5003		4290		4182		4039		5480	
4006	33567	6042		2976		4955		2603		4144		3979		2776	
4007	33568	5116		4694		4847		3220		4469		4174		5125	
4008	33569	4780		3215		4214		5329	8	4384		4114		3945	
4009	33570	6447		5855	#	4866		5072		5560		5419		5625	
4010	33571	5799		6105	#	4728		3261		4973		4763		6130	6
4011	33572	6759	6	6539	5#	4283		3848		5357		5042		6240	5
4012	33573	7037	2	6452	7#	4850		2819		5290		4947		4296	
4013	33574	3137		3360		3832		4249		3645		3520		3291	
4014	Swarna (NC)	4977		5766		4741		4290		4944		4617		3995	
4015	33575	4873		4535		4591		3076		4269		4050		4245	
4016	33576	2894		4563		3302		2644		3351		3378		4076	
4017	33577	6736	7	6343	10#	6101		4825		6001	6	5676	6	5564	
4018	33578	6539		6925	1#	4802		3179		5361		5148		5774	
4019	33579	6053		6446	8#	5508		4630		5659		5350		5500	
4020	33580	5810		5972	#	5462		3786		5257		5017		4645	
4021	33581	6701	8	5842	#	5658		4177		5595		5279		6330	3
4022	33582	6667	10	6011	#	5336		3961		5494		5177		5620	
4023	33583	4236		4393		4482		3755		4216		3993		5630	
4024	33584	4641		4449		4254		5463	5	4702		4325		3176	
4025	33585	6644		6138	#	6593	5	3683		5764	10	5156		5455	
4026	33586	6887	3	3617		4619		2675		4449		4137		4070	
4027	ZC	6690	9	6537	6	6039		6029	2	6324	1	5701	4	5914	
4028	33587	6505		6357	9#	4116		4835		5453		5080		6000	10
4029	33588	5127		3951		3579		3097		3939		3662		4796	
4030	33589	3843		4939		3888		2685		3839		3776		3604	
4031	33590	6157		4491		4055		3539		4561		4309		4550	
4032	33591	4664		6843	3#	3510		3354		4593		4564		5500	
4033	33592	6134		5136		5536		3457		5066		5130		4350	
4034	33593	810		5717	#	3337		2377		3060		3091		5115	
4035	33594	5312		5143		4866		2551		4468		4468		5895	
4036	33595	5856		6869	2#	6226		5113		6016	5	5970	1#	6385	1
4037	33596	6019		5655		7232	2*	4311		5804	9	5714	3	4460	
4038	33597	5255		5753	#	6440	7	4537		5496		4995		4306	
4039	33598	4653		2709		3824		5237	9	4106		3894		3630	
4040	33599	5938		6066	#	6409	8	5885	3#	6074	2	5681	5	5120	
4041	33600	4641		5396				4475		4838		4438			
4042	33601	6019		5432		6467	6	3323		5310		4865		5709	
4043	PA 6444 (HC)	6817	4	4646		7693	1	5031		6047	4	5460	10	5766	
4044	33602	4213		4836		5386		4537		4743		4410		5125	
4045	33603	5220		3525		4575		2582		3975		3858		4724	
4046	33604	5914		4395		5336		4907		5138		4672		5360	
4047	33605	7083	1	3076		4636		5802	4	5149		4667		4480	
4048	33606	6574		5419		5842		5206	10	5760		5346		5406	
4049	33607	6250		5915	#	6012		3477		5414		5127		4686	
4050	33608	5440		5783	#	6376	9	6204	1#	5951	7	5842	2	5125	
4051	33609	6481		5765	#	6654	3	5370	7	6068	3	5640	7	6064	8
4052	33610	5914		5991	#	4927		5391	6	5556		5508	9	4979	
4053	33611	6262		5909	#	3906		3395		4868		4965		6380	2
4054	33612	5093		6116	#	6651	4	3488		5337		4863		5944	
4055	33613	6794	5	6632	4#	4820		5113		5840	8	5610	8	4406	
4056	33614	6620		5258		4541		3827		5062		4927		6300	4
4057	33615	5810		3569		6226	10	4496		5025		4516		4814	
4058	33616	4641		3020		5306		3745		4178		3920		3010	
4059	33617	5220		5538		4881		3179		4704		4494		4530	
4060	33618	5104		5312		4802		4722		4985		4725		4684	
4061	33619	4178		2444		4530		4352		3876		3834		4755	
4062	33620	4977		5347		5767		4846		5234		4841		6086	7
4063	33621	6493		4876		5536		3765		5168		4898		6040	9
4064	LC	5220		5547		5732		4825		5331		5194		5121	
Experimental Mean		5561		5130		5110		4089		4971		4726		5034	
CD(0.05)		591		1025		1188		827		489		424		931	
CV(%)		5.32		10		11.63		10.12		4.92		4.49		9.25	
F val		29.1**		10.54**		5.59**		11.6**		17.91**		19.68**		7.34**	
DOS		10-06-2025		18-06-2025		30-06-2025		10-06-2025						06-07-2025	
DOP		05-07-2025		12-07-2025		02-08-2025		07-07-2025						04-08-2025	
Local Check Name		Karjat 2		Karjat 2		Karjat 10		Ratnagiri 8						MTU 1318	

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN													
		Andhra Pradesh		Andhra Pradesh (2)		Karnataka						Karnataka (3)		Kerala	
		Ragolu		Mean		Brahmavar		Mugad		Mandya		Mean		Pattambi	
4001	33562	8483	1*#	6710	5*	4264		5746		7855	1*	5955	1	5270	
4002	33563	5705		5835		4374		5237		5466		5026		5707	
4003	33564	5285		5340		2761		6319	8#	5098		4726		5309	
4004	33565	4922		4819		4286		4900		5282		4823		7234	3#
4005	33566	5228		5354		3014		6021		2978		4004		4448	
4006	33567	4708		3742		4242		5288		5705		5078		4830	
4007	33568	8170	4*#	6647	6*	4355		4786		6562	7	5235		6672	9
4008	33569	5563		4754		4371		6042	9	5582		5332		5885	
4009	33570	5563		5594		4497	3	4826		6348		5224		5311	
4010	33571	5207		5668		4258		5091		5423		4924		4312	
4011	33572	4822		5531		4245		5388		5472		5035		6782	8
4012	33573	5128		4712		3472		4688		6397	10	4852		6474	10
4013	33574	4744		4017		4564	1	5074		2623		4087		4564	
4014	Swarna (NC)	5385		4690		4488	4	6538	6	6317		5781	2	7116	4
4015	33575	4907		4576		3992		5454		2990		4145		5004	
4016	33576	5769		4922		4213		5186		3002		4134		5126	
4017	33577	6902		6233		3172		6516	7#	6569	6	5419	7	4981	
4018	33578	6489		6132		4245		5324		7108	2	5559	3	5982	
4019	33579	5698		5599		3626		5934		5656		5072		6822	7
4020	33580	5370		5008		4245		6939	3#	3511		4898		6156	
4021	33581	6125		6228		4365		5421		5374		5053		6846	6
4022	33582	4943		5282		4065		4846		5355		4756		7250	2#
4023	33583	5264		5447		4378	9	5540		2941		4286		4988	
4024	33584	5620		4398		4235		5153		4632		4674		5203	
4025	33585	7386	8*	6421	9*	4254		6579	5#	5527		5453	5	5100	
4026	33586	4772		4421		3708		5619		3278		4202		5836	
4027	ZC	5171		5543		4359		5046		6409	9	5271		6934	5
4028	33587	5199		5600		4302		4741		4087		4377		6404	
4029	33588	5698		5247		4232		4902		5564		4899		5600	
4030	33589	5698		4651		4378	9	4747		5276		4800		5463	
4031	33590	7301	9	5925		4340		5126		3897		4454		5042	
4032	33591	6175		5838		4286		4785		7016	3	5362	10	8068	1#
4033	33592	5264		4807		4434	7	4927		5980		5114		6072	
4034	33593	4993		5054		4488	4	5288		5263		5013		5060	
4035	33594	5677		5786		3614		7103	2#	4369		5028		4969	
4036	33595	7187		6786	4*	4374		6036	10	5760		5390	9	4443	
4037	33596	7144		5802		4308		5142		6489	8	5313		4986	
4038	33597	6952		5629		4254		4969		5251		4825		5284	
4039	33598	5093		4361		2641		5146		4957		4248		4905	
4040	33599	5413		5267		4153		4538		3560		4084		4316	
4041	33600	8348	3*#	8348	1*#	4368		4802		5956		5042		5064	
4042	33601	7956	5*#	6832	3*	4056		6796	4#	5411		5421	6	4605	
4043	PA 6444 (HC)	7066		6416	10	4532	2	4736		6949	4	5405	8	5532	
4044	33602	5527		5326		4258		4348		2727		3778		6098	
4045	33603	6759		5742		3749		4986		5147		4627		5188	
4046	33604	7201	10	6281		2550		5513		4645		4236		4754	
4047	33605	5335		4907		3882		4585		4737		4401		4700	
4048	33606	7486	7*	6446	8*	3866		5754		5343		4988		5139	
4049	33607	5499		5092		4229		5096		3689		4338		5463	
4050	33608	5142		5134		4112		4796		4577		4495		4567	
4051	33609	5128		5596		4466	6	5462		4350		4760		4161	
4052	33610	6396		5688		4068		5034		4289		4464		6148	
4053	33611	8383	2*#	7382	2*#	4153		5076		3254		4161		5810	
4054	33612	4979		5462		4138		5270		5006		4804		6029	
4055	33613	5342		4874		3901		7394	1#	5227		5507	4	6010	
4056	33614	5491		5895		3711		4789		4957		4486		6093	
4057	33615	7578	6*	6196		4229		4935		6661	5	5275		3904	
4058	33616	5235		4123		4264		4750		5509		4841		4439	
4059	33617	6624		5577		2278		4771		2917		3322		5325	
4060	33618	6745		5715		3876		5006		4547		4476		4350	
4061	33619	5484		5120		4188		4803		3450		4147		5412	
4062	33620	7058		6572	7*	4059		4829		4853		4580		4277	
4063	33621	5627		5833		2755		4832		4730		4106		4015	
4064	LC	6610		5865		4425	8	4662		4112		4400		5373	
Experimental Mean		6002		5544		4031		5312		5000		4781		5456	
CD(0.05)		723		513		798		1453		993		648		1417	
CV(%)		6.03		4.63		9.91		13.69		9.94		6.78		12.99	
F val		16.57**		20.52**		3.4**		1.74*		12.19**		5.21**		3.25**	
DOS		02-07-2025				04-08-2025		04-08-2025		06-07-2025					
DOP		28-07-2025				08-09-2025		21-08-2025		02-08-2025					
Local Check Name		MTU 1318				Palguna		Abhilasha		Rajamudi					

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN								
		Puducherry		Telangana			Telangana (2)		Tamil Nadu	
		Karaikal		Rajendranagar		Warangal	Mean		Aduturai	
4001	33562	3983		7326		7269	5#	7297	6	5380
4002	33563	5183		5357		5127		5242		5696
4003	33564	6317	5#	6433		7946	2#	7189	7	7278
4004	33565	4217		5032		5874	#	5453		6329
4005	33566	2350		5014		4676		4845		6203
4006	33567	6500	3#	4936		3461		4198		4747
4007	33568	4783		6923		4144		5533		7759
4008	33569	4667		6923		4109		5516		6013
4009	33570	5217		6648		3443		5046		5380
4010	33571	5433	#	6026		3981		5004		7089
4011	33572	6567	2#	8059	6	7141	7#	7600	4#	6709
4012	33573	5767	7#	8196	5	7598	3#	7897	1#	6013
4013	33574	4600		3480		3773		3626		7373
4014	Swarna (NC)	4083		6969		8571	1	7770	3	5506
4015	33575	6333	4#	5971		6238	#	6105		6013
4016	33576	5383		4716		6406	9#	5561		7468
4017	33577	5583	#	8443	4	4803		6623	10	7278
4018	33578	3617		7157		3819		5488		7911
4019	33579	3917		7935	7	4149		6042		6804
4020	33580	3900		6653		6730	8#	6692	9	6013
4021	33581	5050		8475	2*	7269	5#	7872	2#	6456
4022	33582	6750	1#	7848	9	4034		5941		7532
4023	33583	2933		5897		4086		4992		6709
4024	33584	4033		2550		6146	#	4348		7089
4025	33585	4850		6804		3073		4938		6266
4026	33586	4967		3906		3715		3810		6772
4027	ZC	3967		6854		4537		5696		6487
4028	33587	3683		7179		4201		5690		6519
4029	33588	3350		6941		3715		5328		7405
4030	33589	2950		6058		4572		5315		
4031	33590	3333		4931		6262	#	5596		4873
4032	33591	3067		7701	10	5365		6533		6962
4033	33592	5050		7518		7494	4#	7506	5#	6013
4034	33593	2817		4405		5845	#	5125		6772
4035	33594	2933		5252		4578		4915		6519
4036	33595	3100		8645	1*	3073		5859		6646
4037	33596	5683	9#	7880	8	5735	#	6807	8	4873
4038	33597	2300		6488		3588		5038		6962
4039	33598	3900		6667		3287		4977		6487
4040	33599	3717		5540		6400	10#	5970		7405
4041	33600	3267		5151		3131		4141		7025
4042	33601	3850		6996		3860		5428		6519
4043	PA 6444 (HC)	3217		8457	3	4126		6292		6962
4044	33602	5300		1818		4340		3079		7595
4045	33603	2900		6699		4878		5789		6551
4046	33604	5767	7#	5252		3044		4148		6405
4047	33605	3900		5875		3866		4870		5918
4048	33606	3867		4872		3293		4082		7215
4049	33607	6250	6#	5444		3750		4597		5380
4050	33608	4333		5728		4340		5034		6804
4051	33609	4233		5664		3148		4406		6133
4052	33610	4950		5156		4931		5043		6013
4053	33611	4833		6685		4404		5544		7089
4054	33612	3600		6630		4763		5696		4747
4055	33613	3917		6827		4861		5844		5380
4056	33614	3983		5806		4745		5276		6329
4057	33615	4050		5321		3148		4234		5380
4058	33616	3767		2981		4826		3904		6329
4059	33617	5083		4464		4172		4318		6203
4060	33618	3467		4643		3235		3939		6456
4061	33619	3900		5252		4265		4758		
4062	33620	5300		5559		3808		4683		6519
4063	33621	4133		7637		4381		6009		6899
4064	LC	5667	10	6387		6071		6229		6354
Experimental Mean		4381		6110		4775		5443		6450
CD(0.05)		2173		1482		1275		1009		1086
CV(%)		24.82		12.14		13.36		9.28		8.42
F val		2.04**		7.75**		9.36**		9.32**		3.88**
DOS		03-09-2025		20-06-2025		14-06-2025				19-08-2025
DOP		06-10-2025		22-07-2025		14-07-2025				18-09-2025
Local Check Name		KKL (R) 1		WGL 44		WGL-44				ADT 51

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025

Entry No-	IET No	ZONE VII - SOUTHERN				ZONE VII - SOUTHERN (11)		Maharashtra (6)	
		Tamil Nadu		Tamil Nadu (2)		SOUTHERN (11)		Mean	
		Coimbatore		Mean		Mean		Mean	
4001	33562	4033		4706		5868	7	5041	
4002	33563	4368		5032		5290		3995	
4003	33564	4559		5919		5700		4991	
4004	33565	7704	2#	7017	4*#	5499		3886	
4005	33566	5184	#	5693		4600		4088	
4006	33567	3520		4133		4610		3862	
4007	33568	4803		6281	#	5826	9	4816	
4008	33569	4737		5375		5258		4290	
4009	33570	4921		5150		5253		5744	6#
4010	33571	5783	#	6436	10#	5339		4831	
4011	33572	4329		5519		5978	4#	5383	
4012	33573	7743	1#	6878	6#	5979	3#	4995	
4013	33574	3691		5532		4343		3461	
4014	Swarna (NC)	6855	9	6181		5984	2	4813	
4015	33575	4480		5246		5057		3916	
4016	33576	3934		5701		5026		3224	
4017	33577	4724		6001		5867	8	5418	
4018	33578	7546	4#	7729	1*#	5907	5	5651	8#
4019	33579	4467		5635		5501		5520	
4020	33580	4737		5375		5354		5767	5#
4021	33581	7086	7#	6771	7#	6254	1#	5657	7#
4022	33582	4171		5851		5674		5492	
4023	33583	3987		5348		4759		4325	
4024	33584	3645		5367		4680		4205	
4025	33585	5250	#	5758		5504		5875	3#
4026	33586	4500		5636		4649		4621	
4027	ZC	5954		6221		5603		5939	2
4028	33587	3724		5121		5095		5482	
4029	33588	4618		6012		5166		3988	
4030	33589	7066	8#	7066	3*#	4981		3886	
4031	33590	3572		4223		4839		4389	
4032	33591	6007	#	6484	9#	5903	6	4338	
4033	33592	6526	#	6269	#	5784	10	4752	
4034	33593	7553	3#	7162	2*#	5236		2998	
4035	33594	4618		5569		5048		4434	
4036	33595	4243		5444		5445		6108	1#
4037	33596	5059	#	4966		5615		5113	
4038	33597	3079		5020		4857		4912	
4039	33598	3757		5122		4588		3889	
4040	33599	4164		5785		4939		5372	
4041	33600	3289		5157		5040		4517	
4042	33601	3059		4789		5347		4774	
4043	PA 6444 (HC)	3783		5372		5557		5197	
4044	33602	3289		5442		4584		4265	
4045	33603	4296		5423		5080		4040	
4046	33604	7132	6#	6768	8#	5238		5160	
4047	33605	3855		4886		4648		4733	
4048	33606	4974		6094		5201		4988	
4049	33607	3809		4594		4845		5032	
4050	33608	7197	5#	7001	5*#	5157		5583	9#
4051	33609	3579		4856		4763		5533	10
4052	33610	4059		5036		5093		5144	
4053	33611	3803		5446		5443		5000	
4054	33612	4658		4702		5069		4990	
4055	33613	6730	10#	6055		5454		5813	4#
4056	33614	5829	#	6079		5276		5151	
4057	33615	5599	#	5489		5056		4635	
4058	33616	3914		5122		4457		4500	
4059	33617	4224		5213		4599		4575	
4060	33618	3658		5057		4606		4648	
4061	33619	3105		3105		4461		4065	
4062	33620	3526		5023		5079		4867	
4063	33621	3572		5236		4966		4775	
4064	LC	5441		5898		5475		5136	
Experimental Mean		4798		5603		5209		4790	
CD(0.05)		1221		772		353		384	
CV(%)		12.73		6.89		3.39		4.02	
F val		9.2**		8.6**		13.32**		25.53**	
DOS		11-06-2025							
DOP		08-07-2025							
Local Check Name		CR 1009 Sub I							

Table No. 8.2 (Contd.): Grain Yield (kg/ha) in IVT – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN		ZONE IV - NORTH EASTERN		ZONE V - CENTRAL		ZONE VI - WESTERN		ZONE VII - SOUTHERN	
		West Bengal		Assam		Chhattisgarh		Gujarat		Karnataka	
		@Chinsurah		@Gerua		@Jagadapur		@Nawagam		@Ponnampet	@Sirsi
4001	33562	4873		2793		4350		3519		3984	4320
4002	33563	5446		4500		4112		3538		4398	3100
4003	33564	5943	6	3686		4975		2962		4369	2880
4004	33565	5793		3350		4206		3330		4753	2580
4005	33566	4832		1336		4062		2868		4280	1740
4006	33567	4994		2043		4075		2950		5552	1840
4007	33568	5498		4529		4469		3082		4744	2480
4008	33569	4792		3807		4494		2701		5858	6
4009	33570	5550		5086	9	6119	4	3922		5730	7
4010	33571	5694		4821		4594		3230		5483	2540
4011	33572	5660		5121	8	5509		3657		5710	8
4012	33573	6244	1	4521		6094	6	4418	6	5256	2720
4013	33574	4983		2543		4288		2359		2239	1860
4014	Swarna (NC)	4624		4114		5581		4488	5	6243	4
4015	33575	5324		3393		4962		3297		4832	2220
4016	33576	5949	5	3950		4306		3939		4103	2900
4017	33577	5723		5071	10	5341		3478		2574	3880
4018	33578	5741		5279	3	5959	9	3632		3757	4240
4019	33579	5856	10	5193	6	5916	10	4388	7	4714	1560
4020	33580	4821		5014		4225		4501	4	4448	1640
4021	33581	5689		5207	5	6116	5	3015		2623	3300
4022	33582	6036	3	5214	4	5266		3783		1489	3120
4023	33583	4919		3536		4025		2190		4576	1460
4024	33584	5943	6	1543		4250		4006		3659	1460
4025	33585	5752		2636		5034		3843		5059	2140
4026	33586	4959		4221		4691		2725		4813	1980
4027	ZC	5845		5336	2	5597		3122		6440	2
4028	33587	4601		5071		4088		2989		2702	1760
4029	33588	4618		3893		4912		2142		4270	2760
4030	33589	4716				4212		2854		3807	2220
4031	33590	5127		3493		3831		2438		5148	1500
4032	33591	5480		5443	1	4162		2751		3669	4000
4033	33592	6082	2	4743		6750	1	5561	1	3945	3700
4034	33593	5185		3000		4150		2533		4014	3500
4035	33594	5770		4014		4756		2731		3471	2340
4036	33595	5781		4593		5481		2963		2949	4680
4037	33596	5133		4643		4869		3800		4034	2980
4038	33597	5735		4407		4422		3411		3462	2860
4039	33598	5856		4679		4538		2679		4142	2760
4040	33599	5787		3793		4234		3585		4882	3560
4041	33600					3944		2923		2495	
4042	33601	5058		3179		4188		3640		4221	4280
4043	PA 6444 (HC)	4832		3450		6388	3	3226		4970	4320
4044	33602	4392		736		3969		2784		5651	10
4045	33603	5179		3521		4606		4081		5316	3380
4046	33604	4294		3843		5306		2890		2604	3660
4047	33605	5880	9	3286		5609		2866		2554	3860
4048	33606	5978	4	4143		3822		3126		5917	5
4049	33607	4167		4393		6681	2	2963		5552	3360
4050	33608	5903	8	3664		4106		4203	10	7525	1
4051	33609	5781		3571		5212		3016		3846	3720
4052	33610	5110		3400		5078		4382	8	4024	3360
4053	33611	5324		5179	7	3875		4051		3393	2220
4054	33612	4682		1814		3906		4858	2	5286	2640
4055	33613	5347		3911		5978	7	3698		5671	9
4056	33614	5770		4886		4694		3478		2140	3180
4057	33615	5133		1821		4744		4094		5276	3040
4058	33616	5851		3757		4244		4198		6292	3
4059	33617	5324		3364		4331		3095		4921	2500
4060	33618	5625		3786		3834		3293		3955	2820
4061	33619	4988		1271		4906		3016		3925	3330
4062	33620	5613		3635		5969	8	3588		3639	3540
4063	33621	5637		3414		4134		4355	9	5178	3200
4064	LC	5041		4443		5134		4829	3	3787	4740
Experimental Mean		5369		3840		4808		3438		4380	
CD(0.05)		1188		2576		1862		872		14	
CV(%)		11.06		33.55		19.39		12.69		1.16	
F val		1.43ns		1.5ns		1.41ns		5.2**		5.76**	
DOS		13-06-2025		12-06-2025		18-06-2025		27-06-2025		25-07-2025	
DOP		19-07-2025		29-07-2025		15-07-2025		07-08-2025		25-08-2025	
Local Check Name		Kaushalya		Ranjit		CG Dhan 1919		GAR 22		Tunga	

Table No. 8.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar						Bihar (2)			Jharkhand			Odisha		
		Bikramganj (Dhangain)			Sabour			Mean			Ranchi			Bhubaneswar		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	104	112	238	102	102	263	103	107	250	83	96	157	87	101	240
4002	33563										118	91	165	126	110	283
4003	33564	134	112	259	134	108	264	134	110	262	98	96	202	109	110	236
4004	33565										116	90	180	126	108	290
4005	33566	106	125	252	102	114	285	104	119	269	80	96	170	88	105	226
4006	33567	109	125	260	117	122	264	113	123	262	84	119	232	98	110	260
4007	33568	123	121	296	117	110	268	120	115	282	98	98	198	108	112	235
4008	33569	128	141	276	134	128	268	131	135	272	100	112	186	107	145	273
4009	33570	143	143	232	147	138	236	145	140	234	117	102	214	124	126	231
4010	33571	131	123	244	141	128	212	136	125	228	118	117	210	125	135	224
4011	33572	129	110	268	136	100	240	132	105	254	100	112	194	115	109	309
4012	33573	130	116	260	137	118	270	134	118	265	102	108	212	110	106	266
4013	33574	143	124	217	141	128	245	142	126	231	114	102	146	125	123	198
4014	Swarna (NC)	134	108	235	136	110	256	135	109	245	105	96	230	107	103	203
4015	33575	131	114	296	140	114	262	135	114	279	108	102	192	126	117	254
4016	33576	139	119	276	152	106	322	146	112	300	120	78	196	130	107	232
4017	33577	130	112	244	126	110	281	128	111	263	102	103	225	110	117	240
4018	33578	134	117	261	131	105	276	132	111	268	100	110	249	110	116	284
4019	33579	130	113	226	129	112	237	130	113	232	95	105	206	108	112	214
4020	33580	130	107	264	129	104	236	130	105	250	96	102	200	103	110	278
4021	33581	132	109	246	139	101	254	136	105	250	106	93	211	114	112	226
4022	33582	128	107	243	136	106	280	132	106	262	110	95	220	120	113	271
4023	33583	110	114	210	116	113	260	113	114	235	86	102	182	95	109	213
4024	33584	109	110	258	105	96	225	107	103	242	88	104	190	90	98	233
4025	33585	107	140	287	116	134	218	112	137	252	90	120	218	99	124	246
4026	33586	128	144	241	134	127	228	131	135	234	118	95	145	110	127	271
4027	ZC	137	122	239	143	102	271	140	112	255	96	102	192	110	114	216
4028	33587	134	107	247	132	96	288	133	101	267	98	92	180	110	119	252
4029	33588	133	114	265	138	112	310	136	113	288	114	90	226	115	108	234
4030	33589				155	110	282	155	110	282	113	102	194	126	116	240
4031	33590	123	122	270	126	120	232	124	121	251	96	107	192	95	114	236
4032	33591										118	106	188	135	120	286
4033	33592	135	103	282	138	102	309	137	103	296	106	90	203	122	104	260
4034	33593										118	94	180	137	98	232
4035	33594	135	119	266	155	110	228	145	115	247	120	98	202	126	120	230
4036	33595	114	116	270	124	128	284	119	122	277	102	110	210	102	126	260
4037	33596	121	127	245	131	126	222	126	127	233	96	116	224	104	125	244
4038	33597	116	125	242	103	98	222	110	112	232	94	114	202	95	115	256
4039	33598	134	124	306	117	124	240	126	124	273	120	103	178	127	137	276
4040	33599	129	120	236	138	114	248	133	117	242	106	108	196	108	128	246
4041	33600				128	108	218	128	108	218	86	111	196	102	101	262
4042	33601	114	118	261	118	102	220	116	110	240	94	95	180	98	103	279
4043	PA 6444 (HC)	107	116	276	114	104	258	110	110	267	90	98	187	98	110	208
4044	33602	97	78	254	97	74	258	97	76	256	80	104	208	87	87	321
4045	33603	118	113	264	124	106	234	121	110	248	86	100	202	98	105	298
4046	33604	123	116	264	128	122	242	126	119	254	105	102	184	112	123	254
4047	33605	120	129	251	130	124	240	125	126	246	98	119	222	100	127	199
4048	33606	119	124	223	130	118	228	124	121	225	102	108	198	107	125	248
4049	33607	118	106	230	126	98	241	122	102	236	101	106	212	105	104	253
4050	33608	130	124	310	136	106	244	133	114	277	104	92	200	110	104	200
4051	33609	123	121	316	130	116	244	126	118	280	98	98	219	108	109	208
4052	33610	117	131	290	124	112	272	120	122	282	101	111	190	103	104	201
4053	33611	130	107	286	130	95	258	130	101	272	98	92	182	107	104	240
4054	33612	123	124	276	127	121	232	125	123	254	92	118	215	98	108	232
4055	33613	130	113	290	139	106	260	134	109	275	98	99	218	115	112	218
4056	33614	134	129	278	140	114	219	137	122	249	105	102	200	118	114	228
4057	33615	106	143	298	115	118	181	110	131	240	90	124	200	95	117	228
4058	33616	135	125	309	140	116	208	137	120	259	108	106	178	115	131	270
4059	33617	137	114	344	139	94	272	138	104	308	100	99	228	107	102	271
4060	33618	118	130	324	123	118	220	120	124	272	95	98	127	99	108	232
4061	33619	107	93	307	98	72	272	102	82	290	81	88	185	82	85	296
4062	33620	120	118	294	120	108	340	120	113	317	94	102	150	98	103	202
4063	33621	121	125	314	125	118	248	123	122	281	95	99	205	99	124	236
4064	LC	130	128	352	127	94	250	128	111	301	103	100	205	115	123	264
Experimental Mean		124	118	268	128	110	252	127	115	260	100	102	196	108	113	246
Standard Error		0			0.81			0.42			0.79			0.59		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha						Odisha (3)			Uttar Pradesh			West Bengal		
		Jeypore			NRRI			Mean			Masodha			Malda		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	109	95	251	99	126	363	98	108	285	122	75	216	102	118	335
4002	33563	118	93	355	138	119	330	127	107	323	120	79	198	132	98	205
4003	33564	109	90	360	121	130	330	113	110	308	104	90	272	112	106	391
4004	33565	115	90	264	138	119	330	126	106	295	104	100	247	130	94	313
4005	33566	111	102	288	96	126	314	98	111	276	124	98	207	98	130	322
4006	33567	116	117	325	103	151	363	106	126	316	108	128	238	103	111	312
4007	33568	116	113	231	105	131	264	110	119	243	108	107	302	112	134	339
4008	33569	116	107	314	119	147	264	114	133	284	112	119	284	106	130	300
4009	33570	120	100	355	128	142	264	124	123	283	124	130	214	123	123	292
4010	33571	120	97	325	140	144	396	128	125	315	112	116	284	130	144	366
4011	33572	120	96	315	119	122	297	118	109	307	110	88	276	119	109	359
4012	33573	116	98	288	120	138	314	115	114	289	108	120	321	120	111	340
4013	33574	118	100	262	128	160	280	124	128	246	116	132	292	122	148	240
4014	Swarna (NC)	124	98	218	120	128	248	117	110	223	110	108	272	112	138	353
4015	33575	120	97	325	128	140	231	125	118	270	112	116	222	102	124	284
4016	33576	118	100	362	118	132	248	122	113	280	124	115	203	121	112	230
4017	33577	118	100	302	126	134	297	118	117	280	102	109	282	117	109	365
4018	33578	123	95	312	118	134	346	117	115	314	114	88	268	122	102	405
4019	33579	110	96	300	117	126	231	111	111	248	110	102	268	119	121	388
4020	33580	108	92	352	114	118	314	108	107	314	106	94	263	107	112	326
4021	33581	118	93	234	123	120	363	118	108	274	112	89	258	122	105	360
4022	33582	122	93	198	122	126	346	121	110	272	112	96	284	125	104	310
4023	33583	111	91	271	105	120	446	104	107	310	120	104	238	102	115	349
4024	33584	108	94	285	129	112	346	109	101	288	106	99	228	104	106	226
4025	33585	116	116	304	107	148	297	107	129	282	110	128	272	102	148	346
4026	33586	122	107	342	124	143	280	119	126	298	112	114	282	108	127	344
4027	ZC	120	96	264	125	124	346	118	111	276	104	100	266	116	110	344
4028	33587	121	89	342	121	116	314	117	108	302	122	76	224	122	104	356
4029	33588	120	100	262	122	131	330	119	113	275	118	90	271	128	110	328
4030	33589	122	96	366	138	126	346	129	113	318	118	128	310	124	118	320
4031	33590	116	96	233	114	133	346	108	114	272	110	107	305	104	118	314
4032	33591	122	99	332	134	130	346	130	116	321	122	94	190	127	122	328
4033	33592	122	99	328	142	126	346	129	110	312	126	120	204	126	109	316
4034	33593	118	85	245	145	131	264	133	105	247	126	96	205	127	122	296
4035	33594	118	95	320	126	133	314	123	116	288	118	99	268	117	125	290
4036	33595	119	102	368	107	138	314	109	122	314	110	102	295	104	115	400
4037	33596	116	121	368	118	136	330	113	127	314	108	130	267	120	106	370
4038	33597	116	96	278	106	117	264	106	110	266	118	108	272	108	117	367
4039	33598	120	102	325	130	142	330	125	127	310	118	102	224	122	117	299
4040	33599	122	110	298	120	143	297	117	127	280	125	118	285	122	106	407
4041	33600	122	98	228	112	110	330	112	103	274	114	115	272	114	106	344
4042	33601	119	95	328	106	115	280	108	104	296	112	109	242	102	110	334
4043	PA 6444 (HC)	109	98	285	99	129	314	102	113	269	110	110	284	102	124	280
4044	33602	118	81	234	98	94	330	101	87	295	102	94	298	104	112	242
4045	33603	110	93	258	111	118	314	106	105	290	110	106	265	106	112	291
4046	33604	122	101	325	118	146	314	117	123	298	112	106	276	120	122	346
4047	33605	109	98	370	121	144	314	110	123	294	105	118	252	131	128	305
4048	33606	124	98	348	119	135	280	116	120	292	108	106	296	109	133	284
4049	33607	119	95	325	120	110	248	115	103	275	106	80	272	118	110	410
4050	33608	120	100	198	123	127	297	118	110	232	110	109	326	122	106	392
4051	33609	121	100	312	117	132	264	115	113	261	104	108	319	121	122	274
4052	33610	115	101	224	108	138	248	108	114	224	108	114	332	114	104	243
4053	33611	122	90	342	120	106	396	116	100	326	110	80	300	104	112	296
4054	33612	114	102	211				106	105	222	104	126	257	102	127	305
4055	33613	122	96	338	126	131	248	121	113	268	108	98	288	122	112	318
4056	33614	111	100	221	128	139	214	119	118	221	116	106	268	116	122	334
4057	33615	116	114	288	105	140	264	105	124	260	114	128	260	103	124	238
4058	33616	119	103	288	128	130	346	121	121	302	106	116	273	118	126	236
4059	33617	121	93	302	127	114	396	118	103	323	102	108	275	124	124	268
4060	33618	119	92	316	111	121	396	110	107	315	112	106	254	102	118	316
4061	33619	110	86	308	94	90	248	96	87	284	106	80	280	100	110	316
4062	33620	115	92	335	104	116	314	106	104	283	108	97	272	105	122	294
4063	33621	120	106	204	110	130	297	109	120	246	108	102	269	102	126	361
4064	LC	120	98	324	119	141	346	118	121	311	110	80	292	126	122	266
Experimental Mean		117	98	296	118	128	310	115	113	284	112	104	265	114	117	319
Standard Error		0.82			1			0.46			0.33			1.52		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (9)			ZONE IV - NORTH EASTERN					
		West Bengal			West Bengal (2)			EASTERN (9)			Assam			Tripura		
		Bankura			Mean			Mean			Titabar			Lembucherra		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	98	101	310	100	109	322	101	103	264	100	107	275	126	96	212
4002	33563	92	96	331	112	98	268	120	98	267	108	100	298	114	94	275
4003	33564	104	116	340	108	111	365	114	106	295	124	117	304	114	95	212
4004	33565	93	122	327	111	108	320	118	103	279	140	98	300	126	103	412
4005	33566	89	105	390	94	118	356	99	111	273	104	130	286	116	102	338
4006	33567	91	110	318	97	110	315	103	121	286	110	152	289	116	96	362
4007	33568	108	110	325	110	122	332	110	115	273	120	125	264	131	102	350
4008	33569	88	116	388	97	124	344	112	127	283	122	144	300	128	88	225
4009	33570	92	105	336	108	114	314	124	123	264	140	131	280	130	72	462
4010	33571	89	102	338	110	123	352	123	123	289	136	126	294	116	100	188
4011	33572	94	111	360	107	110	360	116	106	291	126	108	294	114	104	288
4012	33573	105	104	388	113	108	364	116	113	295	122	120	264	116	103	338
4013	33574	90	115	352	106	132	296	122	126	248	106	114	264	115	88	362
4014	Swarna (NC)	93	110	313	103	124	333	116	111	258	126	120	281	134	94	388
4015	33575	88	106	328	95	115	306	117	114	266	126	109	284	97	99	312
4016	33576	92	102	365	106	107	298	124	108	270	132	109	287	130	104	388
4017	33577	109	106	336	113	108	350	116	111	286	124	119	252	126	102	338
4018	33578	86	111	333	104	106	369	115	109	304	126	121	299	132	110	288
4019	33579	96	114	360	108	118	374	112	111	270	126	119	286	122	106	338
4020	33580	92	114	340	100	113	333	110	106	286	120	120	295	116	119	362
4021	33581	108	120	346	115	113	353	119	105	278	122	110	286	117	106	350
4022	33582	95	112	338	110	108	324	119	106	276	126	115	250	116	89	575
4023	33583	91	108	350	96	112	350	104	108	280	108	114	284	117	102	338
4024	33584	87	126	347	95	116	286	103	105	260	102	110	278	132	108	275
4025	33585	88	126	329	95	137	338	104	132	280	107	137	301	133	116	312
4026	33586	92	120	358	100	124	351	116	123	277	124	140	276	126	119	462
4027	ZC	89	122	398	103	116	371	116	110	282	140	130	290	97	114	212
4028	33587	90	108	352	106	106	354	117	101	284	126	114	314	131	110	362
4029	33588	112	110	318	120	110	323	122	107	283	103	113	290	116	104	312
4030	33589	92	119	350	108	118	335	123	114	301	136	113	288	114	104	338
4031	33590	110	116	356	107	116	335	110	115	276	114	122	270	111	78	225
4032	33591	99	122	318	113	122	322	122	113	284	139	106	309	126	88	412
4033	33592	114	108	335	120	108	325	126	107	287	132	117	272	118	118	425
4034	33593	90	102	348	109	112	322	123	104	253	140	85	292	124	94	338
4035	33594	91	118	398	104	122	344	123	113	280	126	118	320	132	128	412
4036	33595	92	112	314	98	114	357	108	117	302	106	122	267	116	96	312
4037	33596	92	110	326	106	108	348	112	122	288	116	142	294	116	79	312
4038	33597	97	115	322	103	116	345	106	112	270	103	108	266	116	109	375
4039	33598	90	111	336	106	114	317	120	118	279	138	125	278	118	86	362
4040	33599	92	118	378	107	112	392	118	118	288	128	129	275	118	104	388
4041	33600				114	106	344	111	107	264				126	104	362
4042	33601	94	118	331	98	114	332	106	107	273	112	108	266	130	88	288
4043	PA 6444 (HC)	88	112	336	95	118	308	102	111	270	110	124	306	98	88	300
4044	33602	93	108	334	98	110	288	97	93	276	100	91	258	122	96	212
4045	33603	104	112	360	105	112	325	108	107	276	112	120	256	128	80	362
4046	33604	94	113	352	107	118	350	115	117	284	122	134	278	126	122	412
4047	33605	88	108	370	110	118	338	111	122	280	120	145	276	128	84	512
4048	33606	92	104	386	100	118	335	112	117	277	122	146	294	124	84	425
4049	33607	91	114	332	105	112	371	112	102	280	115	109	278	120	77	400
4050	33608	90	114	326	106	110	359	116	109	277	124	123	268	126	127	288
4051	33609	114	106	336	118	114	305	115	113	277	120	136	266	118	98	325
4052	33610	92	117	312	103	110	278	109	115	257	113	115	274	117	104	338
4053	33611	87	102	360	96	107	328	112	99	296	122	117	284	132	94	362
4054	33612	93	108	331	98	118	318	106	117	257	142	126	278	120	90	312
4055	33613	94	97	335	108	104	326	117	107	279	126	118	308	130	90	375
4056	33614	94	126	365	105	124	349	118	117	259	128	119	288	118	101	288
4057	33615	99	101	376	101	113	307	105	123	259	106	133	269	120	82	262
4058	33616	113	116	361	116	121	299	120	119	274	124	135	272	118	84	338
4059	33617	111	108	352	117	116	310	119	106	301	126	109	286	98	102	250
4060	33618	99	114	402	100	116	360	109	112	288	114	119	257	116	106	475
4061	33619	99	114	360	100	112	338	98	91	286	100	96	264	126	99	388
4062	33620	102	114	348	104	118	321	107	108	283	140	119	268	114	103	238
4063	33621	98	117	410	100	122	386	109	116	283	108	116	268	117	100	250
4064	LC	115	105	338	121	114	302	118	110	293	104	128	304	126	94	512
Experimental Mean		95	111	347	105	114	333	113	112	278	120	119	281	120	98	340
Standard Error		1.62			1			0.34			0.51			1.42		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE IV - NORTH			ZONE V - CENTRAL											
		EASTERN (2)			Chhattisgarh						Chhattisgarh (2)			Maharashtra		
		Mean			Ambikhapur			Raipur			Mean			Sakoli		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4001	33562	114	102	244	103	107	181	112	117	182	108	112	182	96	114	281
4002	33563	111	97	287	106	80	175	130	106	238	118	93	206	100	109	226
4003	33564	119	106	258	114	103	177	112	115	213	113	109	195	116	108	206
4004	33565	132	100	356	108	87	226	130	107	232	120	97	228	100	110	224
4005	33566	110	116	312	96	122	194	108	123	212	102	122	203	94	126	258
4006	33567	113	124	326	108	119	179	118	143	238	113	131	208	108	119	214
4007	33568	125	114	307	102	109	196	110	118	220	106	114	208	110	116	287
4008	33569	125	116	263	106	122	180	112	145	230	109	133	205	116	124	224
4009	33570	135	102	372	106	114	190	126	142	212	116	128	200	122	127	308
4010	33571	126	113	241	104	120	192	126	135	192	115	128	192	124	128	232
4011	33572	120	106	291	111	102	215	111	122	215	111	112	215	114	114	293
4012	33573	120	112	300	103	97	212	114	123	214	108	110	213	116	117	288
4013	33574	111	101	313	110	111	172	129	105	202	119	108	187	126	126	225
4014	Swarna (NC)	130	107	334	108	105	202	120	116	185	114	110	193	118	114	262
4015	33575	111	104	298	94	108	196	124	119	178	109	114	187	122	114	209
4016	33576	131	106	337	106	96	219	126	105	246	116	101	232	126	118	222
4017	33577	125	110	295	111	100	219	108	125	211	110	112	215	114	114	284
4018	33578	128	115	293	96	107	219	114	126	230	105	117	224	118	114	296
4019	33579	124	112	312	110	110	204	110	117	216	110	113	210	110	117	318
4020	33580	118	120	329	106	98	216	104	108	227	105	103	221	108	99	332
4021	33581	120	108	318	106	99	206	120	118	212	112	108	209	116	108	308
4022	33582	121	102	412	97	92	210	120	107	228	108	100	219	116	114	276
4023	33583	112	108	311	106	109	184	116	135	215	111	122	200	100	96	266
4024	33584	118	109	277	108	94	207	116	106	189	112	100	198	102	124	192
4025	33585	120	126	307	97	127	181	113	120	222	105	123	202	100	123	335
4026	33586	125	130	369	106	122	207	112	119	220	108	121	214	114	110	258
4027	ZC	118	122	252	102	102	198	111	117	254	107	110	226	110	98	225
4028	33587	128	112	338	107	96	199	112	116	238	110	106	218	116	102	261
4029	33588	109	109	302	107	99	186	122	105	231	115	102	208	124	114	264
4030	33589	125	109	312	110	101	223	126	117	225	118	109	224	124	102	266
4031	33590	112	100	248	112	102	194	104	116	188	108	109	191	108	114	263
4032	33591	133	97	361	106	103	220	128	117	239	117	110	230	124	113	216
4033	33592	125	117	348	106	88	225	118	116	192	112	102	208	118	112	282
4034	33593	132	90	315	94	90	203	132	114	192	113	102	198	103	112	232
4035	33594	129	123	366	95	111	204	126	135	257	110	123	230	123	114	308
4036	33595	111	109	290	106	105	174	114	135	198	110	120	186	105	114	302
4037	33596	116	110	303	108	134	186	110	136	222	109	135	204	108	128	280
4038	33597	110	108	321	108	100	170	120	127	226	114	114	198	108	102	227
4039	33598	128	106	320	102	109	221	128	135	216	116	122	218	126	136	256
4040	33599	123	116	331	88	116	162	120	126	182	104	121	172	120	123	224
4041	33600	126	104	362	107	105	184				107	105	184	108	110	167
4042	33601	121	98	277	92	102	198	122	107	190	107	104	194	104	119	244
4043	PA 6444 (HC)	104	106	303	107	116	184	120	125	222	114	120	203	104	102	242
4044	33602	111	94	235	108	94	200	110	95	152	109	95	176	92	104	272
4045	33603	120	100	309	90	100	224	114	116	168	102	108	196	104	112	297
4046	33604	124	128	345	100	103	212	116	125	238	108	114	225	118	120	281
4047	33605	124	114	394	110	114	204	108	136	191	110	125	198	110	124	278
4048	33606	123	115	359	96	114	181	108	134	226	102	124	204	118	124	263
4049	33607	118	93	339	92	88	216	110	113	226	101	100	221	112	109	252
4050	33608	126	125	278	96	103	206	118	117	179	107	110	192	118	114	272
4051	33609	120	117	296	97	105	196	110	135	254	103	120	225	110	120	268
4052	33610	115	162	306	107	111	192	108	128	230	108	119	211	114	126	290
4053	33611	128	152	323	108	88	211	110	106	270	109	97	241	110	104	318
4054	33612	132	153	295	100	121	202	104	126	189	102	123	195	108	115	256
4055	33613	128	150	342	107	102	186	116	117	230	112	110	208	116	118	316
4056	33614	123	160	288	108	105	216	118	118	219	113	111	218	118	110	303
4057	33615	113	149	266	110	126	169	114	143	177	112	135	173	103	122	248
4058	33616	120	152	304	106	114	201	124	124	228	115	119	215	118	120	281
4059	33617	112	157	268	106	97	217	112	106	208	109	102	213	120	94	360
4060	33618	115	165	366	100	99	173	108	116	202	104	107	187	110	96	262
4061	33619	113	147	326	107	84	187	110	97	213	108	91	200	94	76	269
4062	33620	127	163	252	105	105	181	104	125	226	105	115	203	110	106	260
4063	33621	113	157	259	98	111	185	104	115	237	101	113	211	104	125	349
4064	LC	115	158	408	108	91	198	106	104	202	107	98	200	116	107	354
Experimental Mean		121	119	312	103	104	197	115	120	214	110	112	206	111	113	267
Standard Error		0.84			1.45			3.05			1.73			0.47		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL (4)			ZONE VI - WESTERN					
		Maharashtra			Maharashtra (2)			CENTRAL (4)			Gujarat			Maharashtra		
		Sindewahi			Mean			Mean			Navasari			Phondaghat		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	102	115	298	99	114	289	103	113	235	83	134	190	88	95	154
4002	33563	122	104	370	111	106	298	115	100	252	120	121	160	126	98	178
4003	33564	110	112	252	112	110	229	113	110	212	106	124	170	112	106	166
4004	33565	118	102	304	109	106	264	114	101	246	114	114	170	124	100	214
4005	33566	103	130	286	98	128	272	100	125	237	80	131	127	92	110	185
4006	33567	112	120	236	110	120	225	112	125	217	82	140	92	95	143	181
4007	33568	112	117	262	111	116	274	108	115	241	88	140	132	100	117	168
4008	33569	118	118	230	117	120	227	113	127	216	106	150	149	119	120	126
4009	33570	122	136	262	122	131	285	119	130	243	120	156	170	125	128	122
4010	33571	98	120	216	111	124	224	113	126	208	120	152	148	124	128	122
4011	33572	112	106	266	113	110	280	112	111	247	102	146	180	109	124	190
4012	33573	112	112	189	114	114	238	111	112	226	101	151	132	114	114	140
4013	33574	128	113	222	127	120	224	123	114	205	112	158	64	126	120	109
4014	Swarna (NC)	112	107	250	116	110	256	115	110	225	106	149	122	110	112	136
4015	33575	116	116	208	119	115	208	114	114	198	104	138	174	105	112	135
4016	33576	122	100	263	124	109	242	120	105	237	110	152	152	124	107	171
4017	33577	116	104	210	115	109	247	112	111	231	95	140	172	104	115	175
4018	33578	111	122	284	114	118	290	110	117	257	108	131	182	107	103	160
4019	33579	114	112	226	112	114	272	111	114	241	102	136	176	115	115	146
4020	33580	114	106	298	112	102	315	108	103	268	102	138	170	110	101	138
4021	33581	110	106	246	113	107	278	113	108	243	102	134	150	116	107	152
4022	33582	118	108	252	117	111	264	113	105	241	108	129	142	124	115	218
4023	33583	105	114	213	102	105	239	107	113	220	84	153	162	100	106	171
4024	33584	98	98	272	100	111	232	106	105	215	82	151	160	95	107	140
4025	33585	108	118	245	104	120	290	104	122	246	94	169	158	100	140	140
4026	33586	118	110	312	116	110	285	112	116	249	106	158	272	108	128	143
4027	ZC	108	106	347	109	102	286	108	106	256	108	155	120	118	130	176
4028	33587	90	113	288	103	107	275	106	107	247	108	130	178	113	108	162
4029	33588	118	106	354	121	110	309	118	106	259	110	148	132	121	105	136
4030	33589	108	118	252	116	110	258	117	109	241	118	126	150	125	106	180
4031	33590	106	110	278	108	112	271	108	111	231	82	132	139	103	117	180
4032	33591	118	114	230	121	114	223	119	112	226	132	150	174	127	116	192
4033	33592	120	95	234	119	104	258	116	103	233	108	129	198	120	112	150
4034	33593	120	106	292	111	109	262	112	106	230	118	120	156	133	108	172
4035	33594	112	114	252	118	114	280	114	118	255				124	115	168
4036	33595	104	107	206	104	110	254	107	115	220	104	156	208	100	113	124
4037	33596	108	125	214	108	126	247	109	131	226	100	164	183	102	121	130
4038	33597	106	114	207	106	108	217	110	111	208	92	144	142	100	107	158
4039	33598	111	116	249	118	126	253	117	124	235	118	159	160	126	126	168
4040	33599	112	112	218	116	118	221	110	119	197	102	166	140	110	126	156
4041	33600	112	107	209	110	109	188	109	107	187	97	144	140	103	106	202
4042	33601	102	112	220	103	115	232	105	110	213	90	145	160	100	105	190
4043	PA 6444 (HC)	106	114	226	105	108	234	109	114	218	82	152	153	96	112	168
4044	33602	108	90	216	100	96	244	105	96	210	76	132	129	88	89	160
4045	33603	106	100	250	105	106	274	103	107	235	90	127	178	100	113	164
4046	33604	110	112	223	114	116	252	111	115	239	110	137	160	112	115	132
4047	33605	118	112	230	114	118	254	112	122	226	94	148	154	103	123	142
4048	33606	116	111	213	117	117	238	110	121	221	98	160	137	105	121	142
4049	33607	110	97	282	111	103	267	106	102	244	100	126	150	104	98	168
4050	33608	116	112	224	118	112	248	112	111	220	102	151	261	114	108	130
4051	33609	111	124	290	111	122	279	107	121	252	101	146	167	110	114	167
4052	33610	112	112	213	112	119	251	110	119	231	94	164	250	98	110	131
4053	33611	104	106	302	107	105	310	108	101	275	104	119	238	110	105	170
4054	33612	108	114	270	108	114	263	105	119	229	90	149	178	98	120	126
4055	33613	114	112	250	115	115	283	113	112	245	101	149	140	112	114	149
4056	33614	116	112	226	118	111	264	115	111	241	108	152	146	104	113	172
4057	33615	106	127	210	104	125	229	108	130	201	88	152	157	96	121	122
4058	33616	117	113	338	118	116	310	116	118	262	108	144	146	112	108	168
4059	33617	118	101	240	119	98	300	114	100	256	108	122	134	112	103	212
4060	33618	106	106	201	108	101	231	106	104	209	90	127	146	106	112	150
4061	33619	104	82	258	99	79	264	104	85	232	74	104	146	111	92	122
4062	33620	106	110	236	108	108	248	106	112	226	95	131	128	88	113	155
4063	33621	102	110	257	103	117	303	102	115	257	94	151	152	102	122	158
4064	LC	112	99	314	114	103	334	110	100	267	90	130	207	109	91	174
Experimental Mean		111	110	252	112	112	260	111	112	233	100	141	160	109	112	157
Standard Error		0.39			0.3			0.88			0.68			0.53		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (5)		
		Maharashtra									Maharashtra (4)			Mean		
		Karjat			Vadgaon			Shirgaon			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	104	114	278	102	88	220	86	111	160	95	102	203	93	108	200
4002	33563	126	123	260	122	84	252	131	113	164	126	105	214	125	108	203
4003	33564	100	126	262	110	92	262	116	124	151	110	112	210	109	114	202
4004	33565	131	118	258	124	90	238	130	111	141	127	105	213	125	107	204
4005	33566	96	140	304	94	97	228	82	120	167	91	117	221	89	120	202
4006	33567	92	142	269	106	113	262	96	136	131	97	134	211	94	135	187
4007	33568	100	128	298	110	97	261	106	123	157	104	116	221	101	121	203
4008	33569	100	157	252	110	125	257	113	140	169	111	136	201	110	139	191
4009	33570	126	146	276	120	120	262	120	151	216	123	136	219	122	140	209
4010	33571	128	146	289	120	111	266	124	149	169	124	133	212	123	137	199
4011	33572	106	124	302	100	100	249	115	122	144	108	118	222	107	123	213
4012	33573	108	132	304	100	96	202	114	129	124	109	118	192	107	125	180
4013	33574	118	143	322	120	103	265	97	129	181	115	124	219	115	131	188
4014	Swarna (NC)	116	125	302	100	95	202	114	119	182	110	113	206	109	120	189
4015	33575	121	137	310	114	104	232	117	127	202	114	120	220	112	124	211
4016	33576	120	127	332	120	94	203	128	116	130	123	111	209	120	119	198
4017	33577	110	128	321	112	100	232	111	120	161	109	116	222	106	121	212
4018	33578	118	127	282	114	97	265	116	142	177	114	117	221	112	120	213
4019	33579	106	125	304	100	93	241	112	120	159	108	113	213	107	118	206
4020	33580	106	120	266	104	80	248	108	114	162	107	104	203	106	111	197
4021	33581	120	121	302	114	100	279	120	119	168	118	112	225	115	116	210
4022	33582	126	117	349	114	92	228	124	130	158	122	113	238	119	116	219
4023	33583	102	124	282	104	98	218	95	119	141	100	112	203	97	120	195
4024	33584	96	112	277	104	79	279	97	110	170	98	102	216	95	112	205
4025	33585	101	148	290	106	119	240	98	139	182	101	136	213	100	143	202
4026	33586	114	142	277	100	118	279	113	125	111	109	128	202	108	134	216
4027	ZC	116	138	322	112	99	242	122	137	184	117	126	232	115	132	209
4028	33587	114	120	283	118	89	280	116	119	164	115	109	222	114	113	214
4029	33588	119	130	272	116	89	232	126	124	177	120	112	204	118	119	190
4030	33589	135	134	322	106	80	251	124	128	188	123	112	235	122	115	218
4031	33590	106	142	303	120	87	232	108	121	171	109	117	222	104	120	205
4032	33591	129	129	349	128	104	217	124	125	150	127	119	227	128	125	217
4033	33592	116	120	316	120	86	278	117	118	142	118	109	222	116	113	217
4034	33593	130	118	312	134	74	216	131	114	163	132	104	216	129	107	204
4035	33594	122	135	268	116	96	217	124	132	134	122	120	197	122	120	197
4036	33595	106	139	272	106	99	257	109	136	178	105	122	208	105	128	208
4037	33596	108	142	282	100	123	296	112	142	198	106	132	227	104	138	218
4038	33597	100	128	276	102	87	260	98	117	148	100	110	210	98	117	197
4039	33598	129	142	308	120	102	202	127	149	157	126	130	209	124	136	199
4040	33599	115	134	334	104	101	273	116	128	173	111	122	234	110	131	215
4041	33600	102	131	272				104	102	176	103	113	217	102	121	198
4042	33601	100	115	322	106	91	241	98	110	136	101	105	222	99	113	210
4043	PA 6444 (HC)	104	123	327	94	87	307	98	125	147	98	112	237	94	120	220
4044	33602	88	91	306	94	78	276	86	100	158	89	90	225	87	98	206
4045	33603	84	116	290	100	77	248	98	115	180	96	105	220	94	109	212
4046	33604	115	134	268	108	96	230	116	142	177	113	122	202	112	125	193
4047	33605	105	150	244	96	99	265	105	129	138	102	125	197	101	130	189
4048	33606	110	136	286	106	101	278	116	125	170	109	121	219	107	129	203
4049	33607	108	129	294	104	84	278	114	110	162	108	105	225	106	109	210
4050	33608	115	125	306	104	96	290	113	116	177	111	111	226	109	119	233
4051	33609	108	128	286	102	100	282	105	120	218	106	116	238	105	122	224
4052	33610	110	129	304	104	101	221	106	123	144	104	116	200	102	125	210
4053	33611	104	118	286	102	82	248	115	119	161	108	106	216	107	109	221
4054	33612	107	138	299	96	111	282	98	122	154	100	123	216	98	128	208
4055	33613	128	126	264	100	104	222	116	133	210	114	119	211	112	125	197
4056	33614	114	126	286	100	101	252	119	116	202	110	114	228	109	122	212
4057	33615	106	146	306	96	128	308	120	141	213	104	134	237	101	138	221
4058	33616	116	130	277	102	105	276	118	132	121	112	119	211	112	124	198
4059	33617	113	116	340	102	81	268	120	111	141	112	103	240	111	107	219
4060	33618	104	127	289	102	95	265	102	114	172	104	112	219	101	115	204
4061	33619	88	179	304	88	80	231	79	97	156	92	112	203	88	110	192
4062	33620	104	128	296	101	98	244	102	122	133	99	115	207	98	118	191
4063	33621	100	122	362	94	106	246	100	118	130	99	117	224	98	124	210
4064	LC	110	105	295	104	100	262	104	114	188	107	103	230	104	108	225
Experimental Mean		110	129	295	107	96	251	110	123	163	109	116	217	108	121	206
Standard Error		1.08			0.5			0.53			0.37			0.33		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh						Andhra Pradesh (2)			Karnataka					
		Maruteru			Ragolu			Mean			Brahmavar			Mugad		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4001	33562	86	124	284	87	112	264	87	118	274	111	81	320	109	56	244
4002	33563	122	143	366	133	117	329	128	130	348	110	86	347	130	55	288
4003	33564	106	137	350	107	128	268	107	133	308	116	71	312	139	67	264
4004	33565	123	124	346	93	115	287	108	119	317	100	91	323	136	50	280
4005	33566	88	117	346	86	134	269	87	125	308	108	74	316	98	76	320
4006	33567	102	150	336	98	140	214	100	145	276	116	86	306	102	71	274
4007	33568	102	121	336	104	137	203	103	129	270	98	82	312	116	65	280
4008	33569	101	142	370	112	110	206	106	126	288	101	75	320	137	79	388
4009	33570	122	122	336	122	116	242	122	119	289	104	80	326	136	70	266
4010	33571	117	149	346	122	107	226	120	128	286	114	88	312	126	77	290
4011	33572	107	126	346	112	116	172	110	121	259	121	80	309	128	59	319
4012	33573	104	136	337	111	112	234	107	124	286	108	87	315	112	61	234
4013	33574	117	147	373	122	112	248	120	129	310	102	92	325	133	70	320
4014	Swarna (NC)	112	135	330	113	114	178	112	124	254	99	78	304	115	63	294
4015	33575	106	136	346	105	118	188	106	127	267	116	71	308	120	68	276
4016	33576	117	131	343	112	110	209	115	121	276	111	81	308	132	62	291
4017	33577	109	135	344	105	113	177	107	124	260	101	91	311	110	74	304
4018	33578	110	145	363	110	113	200	110	129	282	114	83	320	124	70	332
4019	33579	110	134	363	110	115	169	110	125	266	116	88	328	112	61	321
4020	33580	92	132	340	110	104	188	101	118	264	108	76	338	110	63	287
4021	33581	108	129	290	120	108	208	114	118	250	100	79	344	133	57	232
4022	33582	110	131	330	119	112	200	114	121	265	102	82	318	133	59	298
4023	33583	94	135	317	95	104	240	95	120	279	108	83	349	144	67	328
4024	33584	90	97	250	87	105	232	88	101	241	116	81	330	108	58	232
4025	33585	87	164	360	99	151	254	93	157	307	102	79	332	107	84	356
4026	33586	110	155	314	110	114	220	110	135	266	107	73	319	126	73	364
4027	ZC	110	137	337	93	123	227	102	130	282	110	73	312	116	64	276
4028	33587	110	119	324	111	110	242	110	114	283	112	81	312	123	60	284
4029	33588	112	138	330	120	117	232	116	128	281	115	83	321	132	69	301
4030	33589	122	136	330	99	113	240	110	124	285	114	85	316	120	67	292
4031	33590	97	126	346	100	122	223	98	124	285	111	81	308	112	63	220
4032	33591	122	141	346	133	114	174	128	128	260	109	84	311	136	60	220
4033	33592	114	132	334	118	112	189	116	122	261	101	80	329	128	66	360
4034	33593	123	127	346	103	112	168	113	119	257	111	76	308	122	69	314
4035	33594	113	136	386	113	114	210	113	125	298	108	82	308	112	74	290
4036	33595	87	130	344	95	122	198	91	126	271	101	81	308	101	64	302
4037	33596	102	137	340	105	129	215	104	133	278	113	76	327	109	89	356
4038	33597	94	137	336	93	112	238	94	125	287	116	70	310	110	62	293
4039	33598	119	148	320	127	107	214	123	128	267	99	78	254	104	61	290
4040	33599	111	127	343	117	107	230	114	117	287	101	82	332	126	68	291
4041	33600				100	119	222	100	119	222	111	80	320	117	62	278
4042	33601	87	146	344	97	123	225	92	134	284	113	86	322	115	77	300
4043	PA 6444 (HC)	87	134	333	97	108	262	92	121	298	116	84	322	111	69	292
4044	33602	86	113	300	85	80	189	85	97	244	108	81	330	102	59	276
4045	33603	100	124	300	102	104	264	101	114	282	106	80	312	108	69	252
4046	33604	107	124	340	110	118	226	108	121	283	108	85	333	113	66	301
4047	33605	104	156	376	105	135	224	104	145	300	111	86	327	123	68	301
4048	33606	107	134	356	106	127	198	106	130	277	114	81	312	114	76	320
4049	33607	102	134	340	108	99	192	105	116	266	108	86	312	124	60	346
4050	33608	112	138	350	115	116	220	113	127	285	106	80	327	113	61	294
4051	33609	101	138	346	100	130	235	100	134	291	101	91	310	108	68	302
4052	33610	102	129	337	98	132	192	100	130	264	100	75	318	113	64	248
4053	33611	102	131	340	104	109	238	103	120	289	116	81	333	132	62	260
4054	33612	100	142	336	101	122	234	100	132	286	111	81	312	130	67	306
4055	33613	110	126	340	100	110	212	105	118	276	101	80	316	108	64	360
4056	33614	112	125	350	116	112	209	114	119	280	108	76	325	108	65	318
4057	33615	100	131	356	98	143	172	98	137	264	110	80	308	110	67	264
4058	33616	111	143	336	117	117	202	114	130	269	112	82	332	138	74	256
4059	33617	106	152	334	113	115	218	110	133	276	104	86	306	119	66	341
4060	33618	97	130	330	102	122	238	100	126	284	101	88	305	110	65	328
4061	33619	87	94	238	85	73	156	86	83	196	98	84	337	92	57	242
4062	33620	88	138	340	94	103	252	91	121	296	116	80	312	129	68	341
4063	33621	87	137	363	102	144	201	94	140	282	104	72	318	110	72	255
4064	LC	122	122	340	104	109	266	113	116	303	104	86	342	111	75	246
Experimental Mean		104	133	337	106	115	219	105	125	278	108	81	318	118	66	293
Standard Error		1.27			0.45			0.63			0.73			1.05		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka (3)			Kerala			Puducherry			Telangana		
		Mandya			Mean			Pattambi			Karaikal			Rajendranagar		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	116	97	272	112	78	279	88	108	561	84	102	225	106	102	274
4002	33563	118	86	272	119	75	302	119	111	413	106	104	445	123	98	280
4003	33564	112	97	306	122	78	294	102	113	429	98	94	474	119	85	284
4004	33565	118	84	289	118	75	297	125	114	446	99	93	406	122	100	340
4005	33566	90	104	306	98	85	314	91	127	619	80	76	220	102	114	320
4006	33567	110	128	306	109	125	295	94	125	631	86	114	466	110	116	340
4007	33568	108	99	238	108	82	277	98	127	627	84	111	447	110	114	244
4008	33569	108	125	272	115	93	327	102	149	480	76	122	420	123	130	241
4009	33570	116	108	238	118	118	277	118	141	396	104	124	497	128	129	278
4010	33571	116	111	306	118	92	303	119	134	446	99	110	456	128	114	304
4011	33572	116	101	306	122	80	311	98	114	446	89	98	478	116	106	340
4012	33573	118	100	306	112	83	285	96	113	489	94	94	386	115	103	294
4013	33574	120	93	272	118	85	306	118	140	446	106	110	414	122	119	324
4014	Swarna (NC)	120	99	289	112	80	295	98	118	561	80	100	380	123	87	280
4015	33575	120	96	340	119	78	308	108	125	462	84	106	458	123	106	320
4016	33576	120	96	255	121	80	284	108	132	594	98	128	446	128	132	304
4017	33577	110	99	306	107	88	307	116	115	507	86	106	452	113	108	326
4018	33578	114	94	323	118	82	325	108	121	566	96	104	484	122	113	336
4019	33579	108	97	306	112	82	318	107	122	578	92	94	386	118	88	280
4020	33580	110	85	238	110	74	288	94	113	578	86	90	409	116	98	330
4021	33581	118	97	289	117	78	288	110	112	707	98	89	433	123	109	287
4022	33582	118	86	323	118	76	313	108	115	512	92	98	482	124	104	290
4023	33583	120	95	306	124	82	328	96	113	693	80	86	259	106	106	268
4024	33584	110	95	289	111	78	284	96	97	697	84	94	378	102	98	340
4025	33585	110	112	323	106	92	337	96	126	409	87	122	432	110	129	268
4026	33586	110	116	323	114	87	335	99	121	428	98	110	442	119	126	290
4027	ZC	110	100	306	112	79	298	92	106	413	96	99	368	119	99	297
4028	33587	114	88	323	117	76	307	100	115	526	96	86	314	118	98	333
4029	33588	120	94	255	122	82	292	110	121	599	98	91	319	128	110	333
4030	33589	116	91	306	116	81	305	102	120	594	94	86	282	126	102	280
4031	33590	112	98	272	112	81	266	99	118	677	80	118	264	106	99	335
4032	33591	116	102	289	120	82	274	126	126	670	104	110	264	120	121	393
4033	33592	116	87	289	115	78	326	104	101	496	80	106	434	123	108	376
4034	33593	126	86	323	120	77	315	124	108	626	101	101	265	122	105	307
4035	33594	118	91	289	113	83	296	102	107	318	86	95	288	123	106	272
4036	33595	120	95	289	108	80	299	86	113	462	82	82	280	107	118	324
4037	33596	120	116	306	114	94	330	106	102	428	86	117	478	114	138	320
4038	33597	114	92	306	114	75	303	92	104	731	86	82	238	109	106	333
4039	33598	121	102	306	108	81	283	119	124	662	100	106	378	120	127	356
4040	33599	118	108	272	115	86	298	108	115	496	100	118	310	123	129	317
4041	33600	110	108	289	112	84	296	123	111	641	81	105	280	118	122	297
4042	33601	108	92	289	112	85	304	101	92	694	86	90	338	106	107	264
4043	PA 6444 (HC)	108	99	306	112	84	307	100	103	562	86	102	280	105	112	284
4044	33602	98	80	289	103	73	298	88	81	330	82	76	274	103	95	363
4045	33603	100	87	272	104	79	279	96	102	545	84	92	282	106	104	316
4046	33604	114	98	340	112	83	325	102	114	613	82	100	446	123	125	284
4047	33605	92	106	323	109	86	317	103	125	429	82	111	336	116	128	317
4048	33606	113	102	306	114	86	313	102	119	496	84	104	325	123	129	300
4049	33607	117	71	238	116	72	299	100	100	386	92	94	462	123	94	296
4050	33608	117	90	289	112	77	303	103	108	546	86	94	402	123	114	228
4051	33609	115	102	306	108	87	306	100	111	696	80	100	392	100	118	406
4052	33610	114	102	306	109	81	290	100	107	396	98	92	429	120	121	264
4053	33611	114	83	255	120	75	282	92	100	550	74	84	408	120	100	307
4054	33612	108	108	289	116	85	303	98	116	504	76	112	301	110	126	325
4055	33613	102	97	306	103	80	327	102	112	512	82	94	334	120	120	314
4056	33614	102	103	306	106	81	316	106	110	632	82	98	335	122	119	336
4057	33615	108	131	289	109	93	287	95	122	446	84	102	386	106	136	234
4058	33616	120	109	340	124	88	310	107	117	517	86	111	304	123	122	338
4059	33617	110	84	255	111	79	301	102	95	622	86	92	426	123	102	386
4060	33618	122	93	306	111	82	313	94	97	413	80	92	274	120	108	314
4061	33619	90	86	306	93	76	295	88	83	687	80	72	330	100	93	307
4062	33620	110	102	306	118	84	320	96	109	659	86	98	262	116	103	317
4063	33621	107	96	255	107	80	276	96	104	414	74	118	384	110	117	274
4064	LC	122	132	340	112	98	309		151	661	119	145	494	120	117	346
Experimental Mean		112	98.65	294	113	83	302	102	114	537	88	100	370	116	111	308
Standard Error		0.63			0.46			0			1.17			0.71		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Telangana			Telangana (2)			Tamil Nadu					
		Warangal			Mean			Adutrai			Coimbatore		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4001	33562	94	101	295	100	102	285	100	103	172	98	94	355
4002	33563	134	105	322	128	102	301	119	126	224	126	107	362
4003	33564	120	121	307	120	103	295	110	106	305	112	107	325
4004	33565	136	106	315	129	103	328	104	118	260	124	94	332
4005	33566	92	128	320	97	121	320	100	113	156	96	114	345
4006	33567	98	130	325	104	123	333	109	125	173	110	128	330
4007	33568	104	118	323	107	116	284	112	118	312	112	105	318
4008	33569	126	138	310	124	134	276	108	138	210	114	113	338
4009	33570	126	127	317	127	128	297	114	146	226	124	135	332
4010	33571	131	147	317	130	130	310	122	128	308	122	112	332
4011	33572	114	123	305	116	114	323	106	112	319	118	105	342
4012	33573	113	118	328	114	110	311	109	97	282	112	110	345
4013	33574	130	125	322	126	122	323	122	124	288	120	119	325
4014	Swarna (NC)	117	117	348	120	102	314	101	112	216	114	109	328
4015	33575	116	116	330	120	111	325	118	125	249	114	98	352
4016	33576	132	108	327	130	120	315	120	118	310	124	107	328
4017	33577	117	117	318	115	113	322	102	117	316	110	108	318
4018	33578	124	125	332	123	119	334	112	112	320	114	109	320
4019	33579	120	125	325	119	106	303	100	108	292	106	93	320
4020	33580	112	112	328	114	105	329	102	96	282	104	91	340
4021	33581	122	116	328	122	112	308	104	109	262	114	102	348
4022	33582	126	116	323	124	110	307	110	105	314	114	99	312
4023	33583	98	115	318	102	111	293	106	104	280	102	100	348
4024	33584	94	105	315	98	101	328	103	99	260	90	85	328
4025	33585	102	144	323	106	136	295	101	138	249	104	123	348
4026	33586	120	134	318	119	130	304	109	127	228	114	107	345
4027	ZC	119	116	330	119	107	314	108	111	230	114	108	332
4028	33587	122	112	309	120	105	321	106	97	240	114	93	340
4029	33588	123	126	310	126	118	322	112	113	324	124	105	340
4030	33589	132	115	131	129	109	206				122	102	350
4031	33590	104	117	315	104	108	325	104	117	224	104	98	362
4032	33591	128	110	337	124	116	365	119	125	261	126	114	342
4033	33592	124	110	332	123	109	354	119	103	228	120	97	555
4034	33593	139	130	343	130	117	325	120	128	298	134	119	340
4035	33594	124	125	323	124	116	298	102	100	210	116	99	340
4036	33595	104	120	307	105	119	315	101	102	224	100	103	325
4037	33596	106	141	297	110	140	308	109	126	212	114	112	340
4038	33597	100	118	323	104	112	328	98	107	242	104	114	338
4039	33598	133	124	325	126	125	341	119	125	212	124	108	338
4040	33599	118	136	305	120	133	311	110	123	268	114	119	348
4041	33600	100	106	340	109	114	318	118	123	278	106	103	335
4042	33601	101	116	307	103	111	285	102	103	257	104	99	338
4043	PA 6444 (HC)	98	122	323	102	117	304	102	103	228	106	114	338
4044	33602	93	100	332	98	97	348	100	96	209	92	87	330
4045	33603	102	122	305	104	113	311	100	97	205	102	95	335
4046	33604	118	134	302	121	130	293	110	126	220	116	115	335
4047	33605	109	138	289	112	133	303	110	130	237	106	104	330
4048	33606	116	122	284	120	125	292	116	123	288	112	111	332
4049	33607	115	116	307	119	105	301	106	105	228	122	97	332
4050	33608	119	123	289	121	119	258	119	102	280	112	110	332
4051	33609	108	128	299	104	123	352	102	111	208	116	94	362
4052	33610	116	126	295	118	124	280	106	120	280	110	90	315
4053	33611	108	103	295	114	101	301	100	104	250	110	104	350
4054	33612	103	130	294	106	128	309	102	123	251	102	113	328
4055	33613	116	124	284	118	122	299	100	119	248	108	104	330
4056	33614	121	128	299	121	124	318	99	112	268	108	124	325
4057	33615	96	122	274	101	129	254	96	106	248	104	121	325
4058	33616	119	124	290	121	123	314	120	112	267	112	111	355
4059	33617	118	109	299	120	105	343	104	98	228	106	87	328
4060	33618	105	110	279	112	109	296	114	112	298	108	99	328
4061	33619	91	96	294	96	95	300				92	89	328
4062	33620	96	116	300	106	109	309	120	103	238	112	98	325
4063	33621	103	126	280	106	121	277	105	117	208	112	106	325
4064	LC	104	97	304	112	107	325	118	112	278	124	113	375
Experimental Mean		113	119	309	115	116	309	108	113	253	111	105	339
Standard Error		2.27			1.15			1.5			0.45		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN Tamil Nadu (2)			ZONE VII - SOUTHERN (11)			Maharashtra (6)		
		Mean			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	99	98	264	98	98	297	96	106	232
4002	33563	122	117	293	122	103	332	121	105	242
4003	33564	111	107	315	113	102	329	110	111	216
4004	33565	114	106	296	116	99	329	121	105	230
4005	33566	98	113	250	94	107	322	94	121	238
4006	33567	110	126	252	103	119	336	102	129	216
4007	33568	112	112	315	104	109	331	106	116	239
4008	33569	111	125	274	110	120	323	113	131	210
4009	33570	119	141	279	119	118	314	122	135	241
4010	33571	122	120	320	120	116	331	120	130	216
4011	33572	112	108	331	112	104	335	110	115	241
4012	33573	111	104	313	108	103	323	110	117	208
4013	33574	120	122	306	119	114	332	119	122	221
4014	Swarna (NC)	107	110	272	108	103	319	112	112	222
4015	33575	116	111	301	112	106	330	116	119	216
4016	33576	122	112	318	118	110	338	123	110	220
4017	33577	106	113	317	107	108	334	111	113	231
4018	33578	113	111	320	113	108	354	114	117	244
4019	33579	103	100	306	109	102	333	110	114	233
4020	33580	103	94	311	104	96	333	109	103	241
4021	33581	108	106	305	114	100	339	116	110	243
4022	33582	112	102	314	114	101	337	120	112	247
4023	33583	104	102	314	105	101	337	101	109	215
4024	33584	96	92	294	98	92	332	99	105	222
4025	33585	103	130	298	100	125	332	102	131	239
4026	33586	112	117	287	111	114	326	111	122	230
4027	ZC	111	110	281	108	103	312	114	118	250
4028	33587	110	95	290	111	96	322	111	108	240
4029	33588	118	109	332	118	106	333	120	111	239
4030	33589	122	102	350	115	102	312	120	111	243
4031	33590	104	108	293	103	105	322	109	115	238
4032	33591	122	120	302	122	110	328	125	117	226
4033	33592	119	100	391	113	100	357	118	107	234
4034	33593	127	124	319	120	105	331	125	106	231
4035	33594	109	100	275	111	103	294	120	118	225
4036	33595	100	103	274	99	103	306	105	118	223
4037	33596	111	119	276	108	117	329	107	130	234
4038	33597	100	110	290	101	100	335	102	109	213
4039	33598	122	116	274	117	110	332	123	128	223
4040	33599	112	121	308	113	112	319	113	121	230
4041	33600	112	113	306	108	104	328	106	111	205
4042	33601	104	101	297	102	103	334	102	109	226
4043	PA 6444 (HC)	104	109	283	102	105	321	100	110	236
4044	33602	96	91	270	94	86	293	93	92	231
4045	33603	102	96	270	101	98	308	99	105	238
4046	33604	113	121	278	110	109	340	113	120	218
4047	33605	108	117	284	105	117	317	106	123	216
4048	33606	114	117	310	110	112	320	112	120	225
4049	33607	114	101	280	111	96	313	109	104	239
4050	33608	116	106	306	111	103	323	113	112	233
4051	33609	109	103	285	103	108	351	108	118	252
4052	33610	108	105	298	107	105	307	107	117	217
4053	33611	106	104	300	107	96	326	107	106	248
4054	33612	102	118	289	104	113	316	102	120	231
4055	33613	104	112	289	104	104	323	115	118	235
4056	33614	103	118	296	108	107	337	112	113	240
4057	33615	100	113	287	101	115	300	104	131	234
4058	33616	116	112	311	115	111	322	114	118	244
4059	33617	105	93	278	108	99	340	114	101	260
4060	33618	111	105	313	105	101	310	105	108	223
4061	33619	92	89	328	90	83	322	94	101	223
4062	33620	116	101	282	106	102	332	102	113	221
4063	33621	108	112	266	101	110	298	100	117	250
4064	LC	121	113	326	115	114	363	109	103	264
Experimental Mean		110	109	298	108	105	325	110	114	231
Standard Error		0.74			0.54			0.26		

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN			ZONE IV - NORTH EASTERN			ZONE V - CENTRAL		
		West Bengal			Assam			Chhattisgarh		
		@Chinsurah			@Gerua			@Jagadapur		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	103	104	280	114	112	253	97	61	258
4002	33563	131	108	346	144	107	276	122	76	332
4003	33564	132	112	314	122	114	263	120	80	342
4004	33565	132	106	314	149	112	311	121	79	295
4005	33566	99	101	214	137	115	248	95	77	186
4006	33567	102	120	248	114	140	252	105	91	294
4007	33568	107	62	297	122	124	240	110	83	310
4008	33569	131	118	248	125	148	248	110	96	386
4009	33570	134	123	314	137	139	232	122	96	355
4010	33571	136	123	280	137	137	262	125	106	318
4011	33572	122	109	297	122	107	314	110	84	276
4012	33573	126	120	280	125	118	235	110	88	286
4013	33574	135	124	297	137	131	218	125	84	282
4014	Swarna (NC)	128	110	363	128	109	246	107	88	288
4015	33575	136	111	248	137	118	248	121	84	280
4016	33576	136	112	314	146	102	288	123	76	279
4017	33577	126	114	280	122	121	262	110	82	274
4018	33578	126	113	280	125	122	246	117	83	338
4019	33579	127	111	346	125	125	257	109	86	286
4020	33580	128	110	248	125	114	268	105	70	312
4021	33581	131	108	231	125	116	258	120	73	346
4022	33582	125	110	214	125	108	256	114	80	374
4023	33583	120	110	280	111	124	248	97	80	336
4024	33584	121	108	280	137	108	246	102	62	210
4025	33585	92	138	280	114	131	231	103	96	279
4026	33586	124	124	214	125	133	260	110	100	286
4027	ZC	116	114	346	137	126	248	106	84	278
4028	33587	130	106	182	122	108	288	113	77	326
4029	33588	132	112	280	125	119	284	122	83	325
4030	33589	120	104	297				121	89	242
4031	33590	116	116	314	122	129	238	105	74	246
4032	33591	132	108	346	127	122	260	125	74	228
4033	33592	131	118	214	132	114	253	119	67	276
4034	33593	132	104	297	134	108	274	129	85	288
4035	33594	133	119	396	137	119	278	118	84	343
4036	33595	111	123	280	118	133	224	105	86	313
4037	33596	126	118	231	122	140	256	110	103	275
4038	33597	104	115	314	121	117	232	105	84	272
4039	33598	124	121	280	137	137	262	93	88	270
4040	33599	126	118	231	125	133	224	119	77	274
4041	33600							105	63	270
4042	33601	116	104	231	114	107	242	105	78	260
4043	PA 6444 (HC)	134	108	214	114	116	249	101	84	253
4044	33602	97	77	248	130	89	254	96	62	206
4045	33603	111	104	264	118	117	262	103	83	282
4046	33604	122	120	248	122	137	238	117	92	262
4047	33605	119	122	231	122	128	226	101	90	278
4048	33606	117	121	248	122	131	234	113	91	273
4049	33607	124	105	248	122	116	258	113	67	256
4050	33608	128	123	214	125	116	209	119	83	319
4051	33609	131	118	280	122	124	224	110	93	290
4052	33610	118	118	248	122	129	224	110	90	287
4053	33611	120	104	248	122	112	276	110	72	292
4054	33612	104	122	297	111	120	238	105	84	274
4055	33613	130	113	280	125	117	262	119	87	298
4056	33614	134	119	231	128	124	257	113	76	378
4057	33615	120	124	314	137	134	201	105	103	285
4058	33616	132	119	248	125	130	263	117	78	267
4059	33617	130	104	346	128	108	265	120	66	269
4060	33618	114	104	280	114	121	244	110	77	273
4061	33619	98	79	214	130	88	244	92	48	208
4062	33620	111	102	248	114	113	252	107	80	282
4063	33621	114	104	330	118	121	239	105	79	235
4064	LC	124	108	248	137	122	268	105	67	312
Experimental Mean		122	111	274	125	120	251	110	81	287

Table No. 8.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Late, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VI - WESTERN			ZONE VII - SOUTHERN					
		Gujarat			Karnataka					
		@Nawagam			@Ponnampet			@Sirsi		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4001	33562	100	107	267	120	76	248	108	92	390
4002	33563	104	109	257	124	71	226	126	86	356
4003	33564	114	105	270	128	83	336	116	88	366
4004	33565	114	95	262	130	72	292	126	85	336
4005	33566	118	120	256	126	80	248	96	89	314
4006	33567	98	117	264	128	68	270	111	99	297
4007	33568	104	106	267	118	71	236	120	96	317
4008	33569	112	96	262	108	81	226	121	113	314
4009	33570	114	127	272	108	67	258	124	104	310
4010	33571	112	126	269	108	70	368	128	102	300
4011	33572	108	124	270	104	76	248	122	89	300
4012	33573	117	98	275	110	98	226	115	84	280
4013	33574	124	98	247	122	66	182	134	102	274
4014	Swarna (NC)	114	136	276	106	66	226	115	76	337
4015	33575	110	109	266	121	66	280	124	99	380
4016	33576	110	99	272	108	63	302	124	94	393
4017	33577	111	118	267	128	74	258	114	90	290
4018	33578	118	126	269	130	74	258	121	88	316
4019	33579	118	105	274	100	71	214	111	82	320
4020	33580	118	122	275	102	74	270	110	76	337
4021	33581	109	104	264	106	73	204	128	85	392
4022	33582	112	110	272	106	83	204	128	84	392
4023	33583	106	114	241	121	77	336	109	86	356
4024	33584	105	103	220	121	76	270	104	81	317
4025	33585	108	127	273	122	73	248	111	105	356
4026	33586	114	127	262	99	63	226	115	100	370
4027	ZC	106	132	264	129	66	292	118	83	366
4028	33587	110	108	263	128	84	204	122	86	356
4029	33588	110	109	231	130	80	314	116	90	390
4030	33589	112	114	258	130	81	280	122	87	258
4031	33590	114	130	254	124	74	236	110	84	373
4032	33591	114	100	260	121	62	248	136	99	390
4033	33592	111	116	282	120	61	258	121	80	320
4034	33593	108	100	260	108	72	248	140	90	402
4035	33594	110	123	248	110	84	336	112	93	333
4036	33595	106	117	254	104	69	236	106	84	356
4037	33596	112	129	277	104	62	258	112	108	327
4038	33597	112	102	268	117	90	346	111	80	320
4039	33598	112	119	262	121	74	346	126	96	366
4040	33599	111	106	270	102	95	248	123	105	324
4041	33600	114	111	264	120	78	236			
4042	33601	112	107	272	106	72	214	106	84	326
4043	PA 6444 (HC)	103	119	267	128	71	358	104	84	340
4044	33602	103	103	266	124	66	302	110	78	382
4045	33603	110	96	275	123	86	236	104	80	360
4046	33604	114	124	263	120	69	236	118	98	282
4047	33605	114	124	262	144	75	248	112	98	314
4048	33606	110	124	263	112	97	192	120	106	324
4049	33607	112	104	262	103	70	314	116	83	314
4050	33608	114	111	274	122	93	236	114	90	383
4051	33609	118	108	264	122	76	258	114	92	360
4052	33610	118	124	276	122	63	226	112	96	297
4053	33611	114	96	271	122	74	236	115	77	370
4054	33612	112	118	280	106	65	258	108	98	307
4055	33613	114	110	270	108	70	214	112	91	372
4056	33614	110	102	266	121	67	204	118	92	326
4057	33615	110	122	267	124	69	226	118	110	280
4058	33616	106	112	270	118	68	280	120	101	300
4059	33617	112	106	263	122	61	280	112	80	390
4060	33618	112	109	266	108	65	226	118	85	337
4061	33619	106	102	262	105	65	302	106	70	340
4062	33620	93	123	268	120	82	248	112	96	356
4063	33621	108	111	278	101	56	258	106	90	314
4064	LC	107	125	282	106	76	248	130	102	343
Experimental Mean		110	112	265	116	73	258	116	90	338

INITIAL VARIETY TRIAL – BORO (IVT - BORO)

Locations: 12

Test Entries: 26

Checks: Gautam (National), IR 64 (Zonal), Rajalaxmi (Hybrid), and Local check

Table: 8a

IVT-Boro trial was constituted with 26 test entries (25 inbreds + 1 hybrid) and four checks including Gautam (National), IR 64 (Zonal), Rajalaxmi (Hybrid), and Local check. The trial was sent in two zones i.e., Zone III (8 locations) and Zone IV (4 locations) and data was received from all the locations. However, the data received from three locations namely Pusa (Bihar) from Zone III and Gerua (Assam) and Lembucherra (Tripura) in Zone VI were not considered for analysis, due to low experimental mean in Lembucherra and low CV in Pusa and Gerua. The data from the remaining nine locations was considered for assessing the performance of test entries. The data pertaining to yield, days to 50% flowering, plant height and panicles/m² are presented in the Tables 9.2, 9.3 respectively. The findings are discussed in the following paragraphs.

Overall

Overall mean grain yield ranged from 3670 kg/ha (IET 33300) to 6809 kg/ha (IET 33304) and days to 50% flowering from 99 (IET 33303) to 123 days (IET 33288). Among checks, national check (Gautam) recorded the highest grain yield of 6504 kg/ha followed by IR64 (6320 kg/ha) Rajalaxmi (HC) 5831 kg/ha, LC (5431 kg/ha) and among the entries IET 33304 recorded highest yield of 6809 kg/ha. Among test entries, none of the entry recorded significant yield advantage over best check; and **hence none were promoted to the next stage of testing.**

Zone III (Eastern)

Data from seven locations (Cuttack, Jeypore, Chiplima, Chinsurah, Pundibhari, Malda and Bankura) was considered for assessing the performance of test entries in Zone III. The grain yield ranged from 3666 (IET 33284) to 7484 kg/ha (IET 33304) and days to 50% flowering ranged from 102 (IET 33303) to 120 days (IET 33286). Among checks, Gautam yielded the highest with 6975 kg/ha followed by IR 64 (6527 kg/ha), Rajalaxmi (HC) 6436 kg/ha and local check (5815 kg/ha). Among the test entries, none of the entry exhibited significant yield superiority over best check; and **hence, not promoted to next level of testing**

Zone IV (North Eastern)

Data was received from four locations and only two locations i.e., Titabar and Arundhutinagar are considered. The grain yield ranged from 1722 (IET 33299) to 6300 kg/ha (IET 33284) and days to 50% flowering from 95 (IET 33298) to 134 days (IET 33288). Among checks, IR64 recorded the highest grain yield (5698 kg/ha) followed by Gautam (4855 kg/ha), local check (4088 kg/ha), and hybrid check (Rajalaxmi (HC) (2200 kg/ha). One entry IET 33284 (6300 kg/ha) showed significant yield superiority over best check (IR64); and **hence, IET 33284 is promoted to the second year of testing.**

List of entries promoted to second year of testing

Overall – None

Zone III (Eastern) – None

Zone IV (North Eastern) - IET 33284

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Trial No 8a.1: Composition of entries in Initial Variety Trial- Boro 2024-25 (IVT - BORO 2024-25)

Trials	IET No	Designation	Cross Combination	Grain type
2101	33282	CR 4627-1-1-1-2	Swarna Sub1/ EC-491397	MS
2102	33283	CR 4379-1-1-1-3	Maudamani/MTU 1010	LB
2103	33284	MLD 289-IR82635-B-B75-2-2	IR78875-176-B-2/IR 7885-207-B-3	MS
2104	33285	CRAC 4424-23	Doubled Haploid of Arize 8433DT	LS
2105		Goutham (Check)		
2106	33286	CR 6324-1-3-1-4-1	CR3582-5-2-1-2-2-1/CR 3541-1-2-5-4-1	LS
2107	33287	MLD 285-IR20R1433	IRRI 168*4/MUDALIWI	SB
2108	33288	CR 4375-1-1-1-1-2-2	CR 3522-1-2-1-1-1-1-2/ CR3497-7-1-3-2-2-1	MS
2109	33289	CR 4415-3-1-1-1-2-1	CR 3580-1-3-1-1-1-1/CR 3562-1-2-1-1-2-1	MB
2110		IR 64 (Check)		
2111	33290	MLD 283-IR20LT2261	PAW SAN YIN/IR96321-558-563-B-2-1-3//IR 127155-1-22///BG380-2/IR 96465-B-BGY 372-103	MS
2112	33291	CR 4121-36-24-1-7-1	CR 3856-44-22-2-1-11*3/IRBB-60/Swarna Sub1	LB
2113	33292	RP Bio4918-db-NPK 77-3	Swarna/O.nivara 81832	SB
2114	33293	PHI-24107 (Hybrid)		
2115		Rajlaxmi (Hybrid Check)		
2116	33294	CR 6504-3-1-3-1	CR 3856-44-22-2-1-11-4-1-10/IR 73933-8-2-2-3-5-4	LB
2117	33295	ORR-1821	(Parijat x CR 1018) x Lalat	LS
2118	33296	LVS35-CN2104-19-7-1	IR64/IR73678-6-9-B	MS
2119	33297	CRAC 4424-57	Doubled haploid of Arize 8433DT	MB
2120	33298	ORR-1822	(Pratikshya x Subhadra)	MS
2121	33299	CRAC 4424-9	Doubled haploid of Arize 8433DT	MS
2122	33300	CR 4352-3-1-1-1-1-1	CR3511-4-3-1-1-1-1/CR350414-1-1-1-1-1	MS
2123	33301	MLD 09-CN-1780-7-14-5	CN1563/BR 1356-13-2-1	MS
2124	33302	RP Bio4918-db-NPS33	Swarna/O.nivara 81848	MS
2125	33303	CR 4477-2-1-1-1-1-1	CR 3511-3-2-2-5-1-1/CR3557-2-1-1-1-1-1	MS
2126	33304	CR 6315-1-1-1-1	CR 3856-29-14-2-1-1-7-1/NP-9386	MS
2127	33305	CR 6503-5-1-1-1-2	CR 3856-44-22-2-1-10-1-5-1/RA-2049	MS
2128	33306	CR 6355-RGA-01	CR Dhan 202/CRS-802-6-1-IR//N22	LB
2129	33307	FBL 19396	Krishna Hamsa (KH)/IRBB60//KH/IR96321-1447-561-B-1///KH/IR81896-96-B-B-195//KH/Tetep	
2130		Local Check (LC)		

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Trial No. 8a.2: Grain Yield (kg/ha) in IVT – Boro, 2024-25

Entry No	IET No	ZONE III- EASTERN													
		Odisha						Odisha (3)		West Bengal					
		Chiplima		Jeypore		NRRI		Mean		Pundibari		Malda		Bankura	
2101	33282	13469	1*#	5892		5326		8229	5#	4320	10	7217	6#	7011	6#
2102	33283	10408	9#	6945		4718		7357	8	3120		6544	9	6339	9
2103	33284			4853				4853		2480					
2104	33285	6939		6143		3766		5616		3880		6367		6161	
2105	Goutham (Check)	11973	4	7034		5484		8164	6	5280	4	6600	8	6394	8
2106	33286	6122		5740		7247	3*	6370		3480		7283	5#	7078	5*#
2107	33287			5817				5817		3040					
2108	33288	11020	5#	5291		9496	1*#	8603	4#	3640		7500	4*#	7294	4*#
2109	33289	7721	10#	5243		7017	5*	6660		7200	1*	5833		5628	
2110	IR 64 (Check)	10816	7	7564	7			9190	3	3840		5500		5294	
2111	33290			8339	5#	2934		5637		4880	8	5417		5211	
2112	33291	10986	6#	7032		6234	8	8084	7#	6800	2*	6144		5939	
2113	33292	6122		5642		4324		5363		3080		6922	7	6717	7
2114	33293	6395		7440	8	7269	2*	7035		5160	5	5489		5283	
2115	Rajlaxmi (HC)	6531		6001		7022	4	6518				6478	10	6272	10
2116	33294	10544	8#	5362		6032		7313	10	6520	3*	7739	1*#	7533	1*#
2117	33295	6531		8384	4#	4193		6369		4280		6239		6033	
2118	33296			7356	9			7356	9						
2119	33297	7163	#	8298	6#	5895		7119		4200		6150		5944	
2120	33298	6735		5616		3180		5177		3320					
2121	33299	6871		7037		6377	6	6762		3360		6267		6061	
2122	33300			5127		2649		3888		3520					
2123	33301	6156		6728		6108		6331		4120		5983		5778	
2124	33302	7109		6261		4729		6033		3520		7511	3*#	7306	3*#
2125	33303			6337				6337							
2126	33304	12483	3#	9348	2#	6240	7	9357	2#	5160	5	6189		5983	
2127	33305	6122		7308	10	5287		6239		3880		7700	2*#	7494	2*#
2128	33306	12585	2*#	9761	1#	6125	10	9490	1#	3840		6106		5900	
2129	33307	6190		6040		6125	9	6119		4440	9	5672		5478	
2130	LC	6327		8395	3	5725		6816		4920	7	5233		5028	
Experimental Mean		8472		6745		5580		6807		4270		6420		6215	
CD(0.05)		609		1908		938		888		682		684		681	
CV(%)		4.37		17.31		10.24		7.98		9.75		6.48		6.67	
F val		144.82**		3.63**		22.06**		18.34**		23.64**		9.79**		9.87**	
DOS		16-01-25		06-01-25		29-11-25				26-10-25		13-01-25		23-12-24	
DOP		16-02-25		12-02-25		10-01-25				20-02-25		28-02-25		18-02-25	
Local Check Name		MTU 1156		Mahendragiri		Tapaswini				Uttar Sona		Bhupesh		Puspo	

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Trial No. 8a.2 (Contd.): Grain Yield (kg/ha) in IVT – Boro, 2024-25

Entry No	IET No	ZONE III- EASTERN				ZONE III- EASTERN (7)		ZONE IV-NORTH EASTERN				ZONE IV-NORTH EASTERN (2)		OVERALL MEAN (9)	
		West Bengal		West Bengal (4)				Assam		Tripura		EASTERN (2)			
		chinsurah		Mean		Mean		Titabar		Arundhutinagar		Mean			
2101	33282	6001		6137	5	7034	6#	5513	7	6100	4#	5807	4#	6761	2#
2102	33283	6420	6	5606		6356		3117		6400	2#	4758	9#	6001	10
2103	33284			2480		3666				6300	3#	6300	1*#	4544	
2104	33285	4782		5298		5434		3863		3933	#	3898	#	5093	
2105	Goutham (Check)	6057		6083	6	6975	7	5010	10	4700		4855	7	6504	7
2106	33286	5189		5758	10	6020				2333		2333		5559	
2107	33287			3040		4429				2660		2660	#	3839	
2108	33288	6351	7	6196	4	7228	3#	6548	2*	2333		4441	#	6608	5#
2109	33289	5593		6064	8	6319		5981	5*	2467		4224	#	5854	
2110	IR 64 (Check)	6146	9	5195		6527	9	5397	9	6000	6	5698	5	6320	8
2111	33290	6679	3	5547		5577				6033	5#	6033	2#	5642	
2112	33291	6534	4	6354	2	7096	5#	4400		5067	8#	4733	10#	6571	6#
2113	33292	4924		5411		5390		5400	8	3133	#	4267	#	5141	
2114	33293	6907	2	5710		6278		3113		6500	1#	4807	8#	5951	
2115	Rajlaxmi (HC)	6310	8	6353	3	6436	10			2200		2200		5831	
2116	33294	6465	5	7064	1*#	7171	4#			2800	#	2800	#	6624	4#
2117	33295	5546		5525		5886		5663	6	2700		4182	#	5508	
2118	33296					7356	2#			1867		1867		4611	
2119	33297	6133	10	5607		6255		6277	3*	4800	#	5538	6#	6096	9
2120	33298	5221		4270		4814				3833	#	3833	#	4651	
2121	33299	4179		4967		5736		1060		2383		1722		4844	
2122	33300	4252		3886		3887				2800	#	2800	#	3670	
2123	33301	5189		5268		5723		3963		5333	7#	4648	#	5484	
2124	33302	4299		5659		5819		6100	4*	2067		4083	#	5433	
2125	33303					6337				2367		2367		4352	
2126	33304	6982	1	6079	7	7484	1#	4127		4767	#	4447	#	6809	1#
2127	33305	4160		5809	9	5993		3223		3633	#	3428	#	5423	
2128	33306	4104		4987		6917	8	6937	1*	4933	9#	5935	3#	6699	3#
2129	33307	5297		5222		5606		4520		3867	#	4193	#	5292	
2130	LC	5079		5065		5815		3277		4900	10	4088		5431	
Experimental Mean		5569		5380		6052		4674		3974		4098		5572	
CD(0.05)		1059		499		515		496		507		380		358	
CV(%)		11.59		5.67		5.2		6.43		7.8		5.67		3.93	
F val		6.01**		30.99**		28.06**		72.32**		73.41**		92.65**		46.68**	
DOS		23-12-24						16-12-24		10-01-25					
DOP		25-01-25						07-02-25		06-02-25					
Local Check Name		Shatabdi(IET 4786)						Joymoti		CR-317					

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Trial No. 8a.2 (Contd.): Grain Yield (kg/ha) in IVT – Boro, 2024-25 (Not considered)

Entry No	IET No	ZONE III- EASTERN		ZONE IV-NORTH EASTERN			
		Bihar		Assam		Tripura	
		@Pusa		@Gerua		@Lembucherra	
2101	33282	5083		5123	6	3144	
2102	33283	7417	1			4530	6
2103	33284	5639				2315	
2104	33285	6333		6012	2	2463	
2105	Goutham (Check)	6667	7	3581		6033	1
2106	33286	7306	3			2478	
2107	33287	6472	10			2107	
2108	33288	7389	2	5189	5	4322	8
2109	33289	6472		6248	1	3244	
2110	IR 64 (Check)	5750		4537	8	2048	
2111	33290	5750				2100	
2112	33291	6917	5	4029	10	5556	3
2113	33292	6083		2159		4244	9
2114	33293	5333		5953	3	5748	2
2115	Rajlaxmi (HC)	4500				2489	
2116	33294	4556				2515	
2117	33295	4056				5100	4
2118	33296	4833				2819	
2119	33297	4639		3699		4074	
2120	33298	4806				3952	
2121	33299	5750		2721		4237	10
2122	33300	5556				2411	
2123	33301	5972		3328		2200	
2124	33302	5389		5118	7	4974	5
2125	33303	5222				2093	
2126	33304	5750		3505		3911	
2127	33305	6917	5	3515		3707	
2128	33306	6667	7	5262	4	3007	
2129	33307	6556	9			4033	
2130	LC	7167	4	4199	9	4481	7
Experimental Mean		5898		4363		3545	
CD(0.05)		290		275		864	
CV(%)		3.01		3.79		14.92	
F val		84.54**		155.69**		15.71**	
DOS		15-12-21		30-12-25		16-01-24	
DOP		01-02-25		26-02-25		17-01-24	
Local Check Name		Rajendra Nilam		Chandrama		Hakuchuk-2	

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Trial No. 8a.3: Days to 50% flowering, Plant Height (cm) & Panicles/m² in IVT – Boro, 2024-25

Entry No	IET No	ZONE III- EASTERN											
		Odisha									Odisha(3)		
		Chiplima			Jeypore			NRRI			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
2101	33282	110	100	307	108	97	243	107	95	414	108	97	321
2102	33283	101	92	325	103	89	213	111	94	420	105	92	319
2103	33284				102	87	246				102	87	246
2104	33285	103	109	352	97	91	394	124	96	417	108	99	388
2105	Goutham (Check)	101	86	394	101	86	499	111	85	487	104	86	460
2106	33286	127	123	207	96	107	222	125	105	459	116	112	296
2107	33287				100	87	403				100	87	403
2108	33288	123	99	397	110	90	397	121	107	453	118	99	415
2109	33289	118	90	468	95	92	327	121	100	524	112	94	440
2110	IR 64 (Check)	100	90	423	96	76	494				98	83	459
2111	33290				98	84	428	104	89	406	101	86	417
2112	33291	104	94	232	102	82	227	107	90	356	104	89	272
2113	33292	116	91	354	102	90	367	112	91	450	110	91	390
2114	33293	101	90	441	103	80	500	115	87	521	106	86	487
2115	Rajlaxmi (HC)	135	112	308	104	94	314	118	115	419	119	107	347
2116	33294	127	101	311	99	91	254	123	97	396	116	96	320
2117	33295	111	94	310	105	84	327	118	81	430	111	86	355
2118	33296				103	86	396				103	86	396
2119	33297	104	95	426	101	89	422	115	86	458	107	90	435
2120	33298	93	82	452	96	71	302	111	86	408	100	80	387
2121	33299	116	112	329	104	122	324	116	117	368	112	117	340
2122	33300				108	104	279	112	96	437	110	100	358
2123	33301	99	91	465	97	81	374	114	91	458	103	88	432
2124	33302	117	85	378	97	87	308	116	93	413	110	88	366
2125	33303				102	86	313				102	86	313
2126	33304	103	109	371	101	98	415	108	98	415	104	102	400
2127	33305	107	100	345	105	94	297	114	97	502	109	97	381
2128	33306	114	91	381	107	98	329	115	92	469	112	94	393
2129	33307	104	90	441	96	80	428	113	82	346	104	84	405
2130	LC	101	96	362	98	92	385	113	84	324	104	91	357
Experimental Mean		109	96	365	101	89	347	114	94	430	107	93	377
Standard Error		1.9			0.64			1.32			0.79		

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Trial No. 8a.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m² in IVT – Boro, 2024-25

Entry No	IET No	ZONE III- EASTERN														
		West Bengal												West Bengal(4)		
		Pundibari			Malda			Bankura			chinsurah			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
2101	33282	117	105	211	114	108	356	119	113	374	103	110	396	114	109	334
2102	33283	115	99	207	117	99	377	124	113	363	97	111	286	113	105	308
2103	33284	108	101	160										108	101	160
2104	33285	101	102	329	128	102	407	107	109	365	93	104	341	107	104	361
2105	Goutham (Check)	102	95	296	110	106	383	107	87	366	95	103	308	103	98	338
2106	33286	132	100	197	117	94	362	128	115	345	112	130	297	122	110	300
2107	33287	108	104	174										108	104	174
2108	33288	131	91	254	115	107	383	121	112	346	114	107	396	120	104	345
2109	33289	130	90	274	107	104	365	112	83	372	111	116	242	115	98	313
2110	IR 64 (Check)	111	86	304	108	93	385	110	94	362	99	131	407	107	101	365
2111	33290	115	99	237	112	109	380	106	110	384	95	101	363	107	105	341
2112	33291	119	96	231	116	97	368	114	84	367	115	91	286	116	92	313
2113	33292	114	101	168	119	106	383	119	107	370	105	104	352	114	105	318
2114	33293	119	95	279	118	116	364	119	106	383	95	71	418	113	97	361
2115	Rajlaxmi (HC)				108	105	382	110	97	368	126	104	330	115	102	360
2116	33294	125	106	236	111	109	381	118	116	364	124	118	352	119	112	333
2117	33295	105	82	309	116	98	377	112	104	365	106	84	319	110	92	343
2118	33296															
2119	33297	122	103	299	121	106	383	115	109	380	97	106	341	114	106	351
2120	33298	122	80	373							93	80	528	108	80	451
2121	33299	121	101	234	124	98	368	117	99	365	108	124	462	118	106	357
2122	33300	113	120	229							116	118	319	114	119	274
2123	33301	104	98	283	110	102	407	112	93	385	95	105	407	105	100	370
2124	33302	121	92	169	121	94	362	121	98	377	120	110	473	121	98	345
2125	33303															
2126	33304	106	125	303	128	115	345	116	102	407	99	121	352	112	116	352
2127	33305	108	106	227	112	88	366	112	105	382	105	105	330	109	101	326
2128	33306	116	106	214	121	109	364	114	108	365	109	108	385	115	107	332
2129	33307	113	90	267	114	98	377	112	98	359	101	100	451	110	96	364
2130	LC	105	102	310	119	104	365	117	108	356	95	97	374	109	103	351
Experimental Mean		114	99	250	116	102	374	115	102	369	104	106	365	112	103	330
Standard Error		0.6			0.96			1.1			1.02			0.44		

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Trial No. 8a.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m² in IVT – Boro, 2024-25

Entry No	IET No	ZONE III- EASTERN (7)			ZONE IV-NORTH EASTERN						ZONE IV-NORTH EASTERN (2)			Overall Mean (9)		
					Assam			Tripura								
		Mean			Titabar			Arundhutinagar			Mean					
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
2101	33282	111	104	329	155	107	337	103	119	295	129	113	316	115	106	326
2102	33283	110	99	313	142	83	326	103	107	206	123	95	266	113	99	303
2103	33284	105	94	203				96	108	302	96	108	302	102	99	236
2104	33285	108	102	372	147	99	356	98	136	196	122	117	276	111	105	351
2105	Goutham (Check)	104	92	390	128	75	353	98	100	195	113	87	274	106	91	365
2106	33286	120	111	298				96	131	105	96	131	105	117	113	274
2107	33287	104	96	288				103	104	239	103	104	239	104	98	272
2108	33288	119	102	375	165	99	343	103	106	117	134	102	230	123	102	343
2109	33289	114	96	367	154	92	340	103	108	128	128	100	234	117	97	338
2110	IR 64 (Check)	104	95	396	144	89	349	103	101	260	124	95	305	109	95	373
2111	33290	105	99	366				97	105	201	97	105	201	104	99	343
2112	33291	111	91	295	141	92	320	100	98	192	120	95	256	113	92	286
2113	33292	113	99	349	155	103	318	102	112	135	129	107	226	116	101	322
2114	33293	110	92	415	142	78	324	103	96	206	123	87	265	113	91	382
2115	Rajlaxmi (HC)	117	105	354				97	109	146	97	109	146	114	105	324
2116	33294	118	105	328				98	138	158	98	138	158	115	109	306
2117	33295	110	89	348	142	80	351	103	89	230	122	85	290	113	88	335
2118	33296	103	86	396				100	111	197	100	111	197	101	99	297
2119	33297	111	99	387	147	92	325	96	101	283	121	96	304	113	98	368
2120	33298	103	80	413				95	89	289	95	89	289	102	82	392
2121	33299	115	110	350	154	116	347	101	141	237	127	128	292	118	114	337
2122	33300	112	110	316				103	119	183	103	119	183	111	112	289
2123	33301	104	95	397	139	87	354	103	106	180	121	97	267	108	95	368
2124	33302	116	94	354	165	99	308	96	104	118	130	101	213	119	96	323
2125	33303	102	86	313				96	109	190	96	109	190	99	98	251
2126	33304	109	110	373	146	107	359	103	122	235	125	115	297	112	111	356
2127	33305	109	99	350	156	100	337	103	116	287	130	108	312	114	101	341
2128	33306	114	102	358	149	102	338	103	117	198	126	110	268	116	103	338
2129	33307	108	91	381	140	75	346	103	94	248	122	85	297	111	90	362
2130	LC	107	98	354	144	106	332	101	118	250	123	112	291	110	101	340
Experimental Mean		110	98	351	147	94	338	100	110	206	116	105	250	111	100	328
Standard Error		0.5			0.81			0.87			0.67			0.37		

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Trial No. 8a.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m² in IVT – Boro, 2024-25 (Not considered)

Entry No	IET No	ZONE III- EASTERN			ZONE IV-NORTH EASTERN					
		Bihar			Assam			Tripura		
		@Pusa			@Gerua			@Lembuchera		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
2101	33282	123	95	187	151	119	512	105	110	208
2102	33283	127	81	216				87	91	217
2103	33284	103	92	169				88	96	100
2104	33285	117	94	221	137	119	561	103	110	192
2105	Goutham (Check)	108	95	197	129	96	542	86	107	358
2106	33286	102	92	189				87	92	158
2107	33287	100	98	183				89	101	108
2108	33288	116	85	217	151	112	524	94	92	225
2109	33289	103	90	186	143	93	531	103	82	200
2110	IR 64 (Check)	113	79	197	124	95	554	104	85	125
2111	33290	106	81	196				103	95	142
2112	33291	107	85	202	124	96	532	102	83	225
2113	33292	110	91	191	157	107	547	108	84	192
2114	33293	108	89	199	129	102	517	107	80	192
2115	Rajlaxmi (HC)	112	92	192				106	110	158
2116	33294	110	88	188				91	95	117
2117	33295	102	84	207				103	98	317
2118	33296	103	86	200				106	97	275
2119	33297	115	87	214	137	109	531	102	88	258
2120	33298	104	82	201				90	93	300
2121	33299	111	92	190	143	130	565	97	130	158
2122	33300	109	94	190				103	106	208
2123	33301	105	82	200	137	102	539	108	95	142
2124	33302	114	81	207	143	102	546	107	103	200
2125	33303	104	90	194				86	102	117
2126	33304	103	96	193	137	120	528	101	105	208
2127	33305	112	97	204	143	117	543	107	96	183
2128	33306	113	94	210	137	117	523	108	105	175
2129	33307	109	75	202				96	80	292
2130	LC	115	88	213	151	124	529	99	90	200
Experimental Mean		109	88	198	139	109	536	99	96	198

**ADVANCED VARIETAL TRIAL 2 & 1 AND INITIAL VARIETY TRIAL-
IRRIGATED EARLY TRANSPLANTED(AVT 2&1 & IVT-E TP) Rabi 2024-25**

Locations: 18

Test Entries: 3

Checks: CO-51 (National); PR 124 (Northern), Narendra 97 (Eastern), Luit (North Eastern), Sahbhagidhan (Central & Western), MTU 1153 (Southern)- Zonal and local check

Table: 8b

Advanced varietal trial 2 & 1 and Initial variety trial- irrigated early transplanted (AVT 2&1 & IVT-ETP) Rabi 2024-25 was constituted with 31 test entries and 3 checks namely CO-51 (National check); PR 124 (Northern), Narendra 97 (Eastern), Luit (North Eastern), Sahbhagidhan (Central & Western) and MTU 1153 (Southern) as Zonal checks, and a local check. Among the 31 test entries, two entries are in third year of testing and got tested in Zone VII, another five test entries in second year of testing were tested across Zone III. Remaining 24 test entries in first year were tested across Zone III & VII.

The trial AVT 2&1 ETP Rabi was sent to 18 locations and data was received from all locations. However, in zone III, all the locations (5), data was considered for analysis, while in Zone VII, data was not considered for analysis from 4 locations viz., Kampasagar (low CV-3.17 %), Aduthurai (Non-significant F value), Pattambi (Non-significant F value and high CV-40.14%) and Brahmapur (low experimental mean yield of 662 kg/ha).

Among the centres, location-wise mean grain yield ranged from 4205 kg/ha (Maruteru) to 10444 kg/ha (Chiplima), while CV ranged from 4.12% (Warangal) to 13.71% (Jeypore).

Eastern Zone (Zone III)

The trial was evaluated at 5 locations viz., Cuttack, Jeypore and Chiplima (Odisha), Bankura, Chinsurah (West Bengal) in Eastern Zone. Experimental mean yield at the locations ranged 5123 kg/ha (Cuttack) to 10056 kg/ha (Chiplima), while CV ranged from 6.28% (Bankura) to 13.71% (Jeypore). Overall mean grain yield of the entries ranged from 5082 kg/ha (IET 33326) to 7882 kg/ha (NC-Co-51)

In zone III, **none of the entries** recorded significantly superior yield performance over checks and are not promoted to next level of testing.

Southern Zone (Zone VII)

In Zone VII, data from nine locations viz., Rajendranagar, Warangal, Jagtial, Maruteru, Nellore, Coimbatore, Mandya, Gangavathi and Moncompu were considered for analysis. The mean grain yield of entries ranged from 4205 kg/ha (Maruteru) to 8380 kg/ha (Jagtial), while, CV ranged from 4.12 % (Warangal) to 10.58% (Maruteru). Overall mean grain yield of the entries ranged from 4616 kg/ha (IET 33312) to 7027 kg/ha (ZC-Narendra 97). **None of the entries showed significant yield superiority.** Therefore, **none of the entries** are promoted to next level of testing.

Summary:

In AVT2, AVT1 and IVT, none of the entries recorded significantly superior yield performance over checks and therefore not promoted.

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Trial No 8b.1: Composition of entries in Advanced Variety Trial 2 & 1 & Initial Variety Trial – Early–Transplanted (AVT 2 & 1 & IVT – E - TP), Rabi 2024-25

Entry No.	IET No.	Designation	Cross Combination	Grain type	Zones
		3rd year of testing			
2201		IET 32072 (RP 6764-BGIR-7-26-3)			VII
2202	31368	IET 31368 (MTU1407) (MTU2460-17-2-1-1-1)	(MTU1010 / KMP105) / (MTU1075/MTU 1081)		
		2nd year of testing			
2203	32290	IET 32290 (RNR 41789)	RNR21219/MTU1001	LS	
2204	32279	IET 32279 (WGL 1874)	RNR 15048/ MTU 1156	LS	
2205	32268	IET 32268 (CR 4406-14155-1-3-4-6-4)	1368 x NLR 34449	LS	III
2206	32277	IET 32277 (RP 6458-C1-200)	Swarna // 166S	LS	
2207	32282	IET 32282 (RP 6458-C1-28-2)	Swarna // 166S-Swarna /O.nivara	LS	
		1st year testing			
2208	33308	AD17149	IET22075/ADT 48	MS	
2209	33309	RNR 51440	{(ISM 390-4 x JGL 13595)}{(HMT SONA x BPT 5204)}	LS	
2210		CO 51 (NC)			
2211	33310	JBB 672-2	Improved Samba Mahsuri/IRGC 39050//MTU 1081		
2212	33311	CRAC-6467-42	Doubled haploid of CRHR 150	MS	
2213	33312	CRAC-6465-3	Doubled haploid of A42xN22	MB	
2214	33313	CR 3522-2-1-1-2-1-1	Vijetha/ ADT 43	MS	
2215	33314	CR 6316-14-1-1-1-1	CR 3856-44-22-2-1-11-1-1-1/NJ 276	LB	
2216	33315	NLR 3951	BPT 3291/IR 64	DG, MS	
2217	33316	RP 6460-db-C3-345-1	Swarna//166S-Swarna/O.nivara	LS	
2218	33317	CR 4629-8-1-1-1-1	CR Dhan 206/ IR 91631-28-1-2-1-3-B	MS	
2219		Narendra-97 (Eastern), MTU 1153 (Southern), ZC			
2220	33318	CRAC-6465-72	Doubled haploid of A42xN22	MB	
2221	33319	AD19168	ADT37/AS10023	SB	
2222	33320	RNR 49603	JGL 30090/IET 23993	LS	
2223	33321	CRAC-6467-50	Doubled haploid of CRHR 150	MS	
2224	33322	CR6505	Pusa Basmati 6 x N22	LS	
2225	33323	RP 6458-db-C1-111-1	Swarna//166S	MS	
2226	33324	19177	Krishna Hamsa(KH)/IRBB60//KH/Tetep///KH/IR96321-1447-561-B-1///KH/IR81896-96-B-B-195///KH/IR74371-46-1-1-1-13//KH/DSB2		
2227	33325	CB 03087	IR 52280-96-2-2-3/CB 98002	MS	
2228	33326	CR4479-3-1-1-1-1-1	CR 3516-11-2-2-1-1-2/NDR 359	MS	
2229	33327	WGL 1875	RNR 15048 / MTU 1156		
2230	33328	CR3741-1-1-2-1-2-1	Pooja/Surendra	MS	
2231	33329	FBL 19483	WGL14*2///WGL14/Rathuheenati//WGL14/ISM		
2232	33330	CR 4389-RGA-34-1	CR Dhan 202/SR-36-2-1//Shatabdi	LS	
2233	33331	CR6506	Rajlaxmi DH1	LS	
2234		BPT 5204 (Parent)			VII
2235		Local Check (LC)			

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Trial No. 8b.2: Grain Yield (kg/ha) in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE III- EASTERN													ZONE III- EASTERN (5)		
		Odisha						Odisha (3)		West Bengal			West Bengal (2)		Mean		
		Chiplima		Cuttack		Jeypore		Mean		Bankura		chinsurah		Mean			
2202	31368	9296		5159		6057		6837				6532		6532	7	6761	
2203	32290	10444		4973		5119		6846		5472		7811	2	6642	6	6764	
2204	32279	10911	8	5244		6065		7407		4483		7609	3	6046		6863	
2205	32268	8667		5672	4	5397		6578		5339		5825		5582		6180	
2206	32277	8570		5508	9	5784		6621		3656		4478		4067		5599	
2207	32282	10333		5363		5897		7198				7003	7	7003	3	7149	
2208	33308	10630	10	6466	2*	6630		7909	5	7589	1*	6801	8	7195	2	7623	
2209	33309	9778		5352		5495		6875		6178	6*	5791		5985		6519	
2210	CO-51 (NC)	12481	2	5133		5966		7860	7			7946	1	7946	1	7882	
2211	33310	11185	3	6184	3	7537	6	8302	3	6639	4*	7138	5	6888	4	7737	
2212	33311	9630		5598	7	6356		7194		4917		5724		5320		6445	
2213	33312	8556		5661	5	7218	10	7145		5772	9*	5286		5529		6499	
2214	33313					7563	5	7563				4411		4411		5987	
2215	33314	10852	9	5141		4664		6886		5178		5926		5552		6352	
2216	33315	10333		5482	10	5545		7120		7128	3*	5084		6106		6714	
2217	33316	8852		4193		6713		6586		5144		5690		5417		6119	
2218	33317	11074	5			5283		8179	4	5772	9*	5320		5546		6862	
2219	ZC					8378	3	8378	2			4579		4579		6479	
2220	33318	9778		4554		4761		6364		6444	5*	5522		5983		6212	
2221	33319	11111	4	6526	1*	6067		7902	6	5550		5084		5317		6868	
2222	33320	10222		3744		7358	8	7108		5672	*	7239	4	6456	9	6847	
2223	33321	7489		4327		7582	4	6466		5811	8*	5724		5768		6187	
2224	33322	10607		5401		6766		7591	10	5094		7138	5	6116	10	7001	
2225	33323	9363		4424		6303		6697		7361	2*	6397		6879	5	6770	
2226	33324	9385		4710		6582		6892		6033	7*	5758		5895		6494	
2227	33325	11052	6	3889		6963		7301		5450		6633		6042		6797	
2228	33326			4646		6425		5535				4175		4175		5082	
2229	33327	12667	1	5022		9050	1*	8913	1*	3994		6734	10	5364		7493	
2230	33328	8074		5575	8	7376	7	7008				4377		4377		6351	
2231	33329	9178		5419		8624	2*	7740	8			6498		6498	8	7430	
2232	33330	11037	7	4583		7247	9	7623	9			5892		5892		7190	
2233	33331	9667		4097		5943		6569		3650		6801	8	5226		6032	
2235	LC	10444		5646	6	6298		7463		5083		5589		5336		6612	
Experimental Mean		10056		5123		6516		7232		5559		6016		5808		6664	
CD(0.05)		1391		771		1457		752		573		932		706		493	
CV(%)		8.46		9.2		13.71		6.37		6.28		9.5		7.45		4.54	
F val		5.95**		6.64**		4.22**		6.68**		26.44**		9.76**		12.8**		11.78**	
DOS		16-01-25		12-12-24		06-01-25				17-12-25		09-12-24					
DOP		15-02-25		16-01-25		10-02-25				06-01-25		17-01-25					
Local Check Name		Khandagiri		CR Dhan 210		Mahendragiri				Puspo		Ajit (2235)					

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Trial No. 8b.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE VII- SOUTHERN											
		Andhra Pradesh				Andhra Pradesh (2)		Karnataka				Karnataka (2)	
		Maruteru		Nellore		Mean		Gangavati		Mandya		Mean	
2201	32072	4504		4140		4322		5550		5259		5404	
2202	31368	4798	6	3669		4233		6903	8	4365		5634	
2203	32290	4902	4	7519	3	6211	3	7195	5	6282	4	6739	2
2204	32279	4223		7342	5	5783	7	7348	3	5510		6429	5
2207	32282	4883	5			4883		6249		5881	9	6065	
2208	33308	4223		4931		4577		7249	4	5973	7	6611	3
2209	33309	3479		5644		4561		7736	1	4779		6257	9
2210	CO-51 (NC)	3441		4672		4056		6138		6449	2	6294	7
2211	33310	3062		6759	10	4911		6822	9	6349	3	6586	4
2212	33311	2879		6319		4599		5403		4992		5197	
2213	33312	3734		4769		4251		2960		5840	10	4400	
2214	33313	4773	8	5370		5072				3956		3956	
2215	33314	4220		6921	9	5571	9	6700		5802		6251	10
2216	33315	4785	7	6551		5668	8	5012		5706		5359	
2217	33316	3797		7207	6	5502	10	6989	7	4495		5742	
2218	33317	4530		7049	7	5789	5	7076	6	4674		5875	
2219	ZC	7023	1	7982	1	7503	1	7691	2	6487	1	7089	1
2220	33318	3905		5656		4780		4624		4578		4601	
2221	33319	2917		6049		4483		4878		4231		4554	
2222	33320	2670		6512		4591		6484		5589		6037	
2223	33321	3529		6489		5009		5063		5021		5042	
2224	33322	3999		6134		5067		5935		4929		5432	
2225	33323	3816		5748		4782		6317		4871		5594	
2226	33324	4628	10	7438	4	6033	4	6729	10	5890	8	6310	6
2227	33325	4021				4021		5221		3952		4586	
2228	33326	4533		5424		4979		2285		4089		3187	
2229	33327	3371				3371		6487		6065	5	6276	8
2230	33328	5562	3	7797	2	6679	2	3065		4666		3865	
2231	33329	4492		5945		5219		6428		5656		6042	
2232	33330	3734				3734		3530		6028	6	4779	
2233	33331	3725		4884		4304		5024		3124		4074	
2234	BPT 5204 (Parent)	4640	9	6929	8	5785	6	6045		3939		4992	
2235	LC	5953	2	4653		5303		6544		5242		5893	
Experimental Mean		4205		6086		5019		5865		5172		5489	
CD(0.05)		725		502		515		708		595		439	
CV(%)		10.58		5.04		6.29		7.39		7.05		4.9	
F val		12.35**		41.3**		22.47**		31.28**		16.85**		37.52**	
DOS		28-12-24		13-11-24				19-12-24		06-12-24			
DOP		24-01-25		18-12-24				29-01-25		01-01-25			
Local Check Name		MTU 1156						GNV 10-89		RNR-15048			

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Trial No. 8b.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE VII- SOUTHERN												ZONE VII-SOUTHERN (9)	
		Kerala		Telangana						Telangana (3)		Tamil Nadu			
		Monocompu		Jagtial		Rajendranagar		Warangal		Mean		Coimbatore		Mean	
2201	32072	5917	1*	8277		5810	7	7287		7125	10	5885		5848	
2202	31368	5708	2	9788	5	6215	4	6481		7495	6	5312		5916	
2203	32290	4008		10012	3	5069		8287	1	7789	4	5990		6585	2
2204	32279	4808	6	8680		6106	6	7316	10	7367	8	5729		6340	3
2207	32282	3892		9411	8	6741	1	7624	5	7925	3	4896		6197	4
2208	33308	4604		8418		4741		6979		6713		6615	1	5970	10
2209	33309	4712		8531		4995		6401		6642		6354	5	5848	
2210	CO-51 (NC)	5358	3	10037	1	3083		7578	6	6899		6615	1	5930	
2211	33310	3896		8966		5379		7797	4	7381	7	5885		6102	7
2212	33311	4533		8269		5220		6371		6620		5677		5518	
2213	33312	3788		6252		3591		4882		4908		5729		4616	
2214	33313	4450						6051		6051		5260		4977	
2215	33314	4629		7983		4229		5439		5884		6615	1	5838	
2216	33315	4721		7758		5492		7376	8	6875		6042		5938	
2217	33316	3850		6600		5548		7485	7	6545		6198	8	5797	
2218	33317	3871		7650		5785	8	5034		6156		6406	4	5786	
2219	ZC	3817		9846	4	6402	3	8266	2	8171	1	5729		7027	1
2220	33318	3946		8269		3795		7937	3	6667		6250	7	5440	
2221	33319	4412		8120		2847		5553		5506		5833		4982	
2222	33320	4321		9128	9	5647	10	6451		7076		6094		5878	
2223	33321	4738	10	7273		4755		5831		5953		6354	5	5450	
2224	33322	4942	4	8169		4212		4308		5563		5625		5361	
2225	33323	4925	5	6314		6127	5	5738		6060		5938		5533	
2226	33324	3862		7941		5309		6321		6523		6042		6018	9
2227	33325	3942		8975	10	4607		4983		6188		5729		5179	
2228	33326	4708		6858				4549		5703		6094		4817	
2229	33327	3871		10037	1	6720	2	6511		7756	5	5990		6131	6
2230	33328	4758	8	7422		4942		3511		5292		6042		5307	
2231	33329	4758	8	8775				7354	9	8065	2	6094	10	6188	5
2232	33330	4762	7	6961		4963		4177		5367		5781		4992	
2233	33331	3933		8568		4582		5338		6162		5729		4990	
2234	BPT 5204 (Parent)	3896		9469	6	4857		6595		6974		6146	9	5835	
2235	LC	4642		9415	7	5679	9	6359		7151	9	5990		6053	8
Experimental Mean		4454		8380		5115		6308		6623		5960		5709	
CD(0.05)		360		908		720		424		369		829		213	
CV(%)		4.95		6.63		8.61		4.12		3.41		8.53		2.29	
F val		19.19**		11.59**		14.91**		69.27**		43.11**		1.67*		50.1**	
DOS		14-01-25		27-11-24		20-12-24		25-11-24				06-12-24			
DOP		01-02-25		24-12-24		22-01-25		27-12-24				03-01-25			
Local Check Name		MO 21 Prathyasa		JGL18047		JGL 24423		KNM 118				CO 55			

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Trial No. 8b.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25 (Not considered)

Entry No	IET No	ZONE VII- SOUTHERN							
		Karnataka		Kerala		Tamilnadu		Telangana	
		@Brhamavar		@Pattambi		@Adhutarai		@Kampasagar	
2201	32072	631		2931		5485		7956	7
2202	31368	673		4246				7831	10
2203	32290	505		4178		4979		7581	
2204	32279	631		3467		4641		8156	3
2207	32282	758	7	2958				8019	5
2208	33308	463		3927		4895		7594	
2209	33309	505		3792		5738	4	7544	
2210	CO-51 (NC)	505		3232		5612	8	7288	
2211	33310	758	7	5820	7			7744	
2212	33311	758	7	5928	6	5401		8219	2
2213	33312	1010	1	3871		4937		7556	
2214	33313	926	2	4380				7188	
2215	33314	800	6	4273		5376		7644	
2216	33315	505		6877	1	5430		8144	4
2217	33316	673		4674	10	5422		7819	
2218	33317	505		3151		5696	5	6650	
2219	ZC	758		4567		5316		7838	9
2220	33318	673		6733	3	4726		7056	
2221	33319	505		5395	9	4852		7150	
2222	33320	505		4006		5485		8000	6
2223	33321	505		4647		5907	2	7538	
2224	33322	379		4193		5232		7869	8
2225	33323	505		6837	2	5612	8	7194	
2226	33324	631		6436	5			7256	
2227	33325	631		5795	8	5578	10	8300	1
2228	33326	758		4620				7119	
2229	33327	926	2	2377		5823	3	7725	
2230	33328	631		3673		5274		6931	
2231	33329	758		2404				7240	
2232	33330	926	2	6492	4	5443		7762	
2233	33331	631		4241		5654	6	7456	
2234	BPT 5204 (Parent)	884	5	4511		5654	6	7162	
2235	LC	758	7	3467		5992	1	7744	
Experimental Mean		666		4488		5391		7584	
CD(0.05)		55		2938		885		393	
CV(%)		5.09		40.14		10.01		3.17	
F val		66.13**		1.5 ns		1.35 ns		8.46 **	
DOS		10-02-25				22-01-25		22-12-24	
DOP		22-02-25				18-02-25		27-01-25	
Local Check Name		MO-21				ADT 57		KPS-6251	

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Trial No. 8b.3: Days to 50% flowering, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE III- EASTERN											
		Odisha									Odisha (3)		
		Chiplima			Cuttack			Jeypore			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
2202	31368	99	88	332	99	85	232	93	76	200	97	83	255
2203	32290	105	96	281	106	89	209	107	75	181	106	87	224
2204	32279	101	98	320	104	87	246	102	79	247	102	88	271
2205	32268	116	112	261	116	109	307	109	94	188	114	105	252
2206	32277	117	92	306	116	93	294	104	85	238	112	90	279
2207	32282	108	94	295	112	97	260	107	82	224	109	91	260
2208	33308	103	91	243	101	86	286	103	78	182	102	85	237
2209	33309	98	90	361	99	79	260	106	71	268	101	80	296
2210	CO-51 (NC)	110	101	325	101	92	247	109	82	245	107	92	272
2211	33310	105	94	252	101	89	311	109	73	218	105	85	260
2212	33311	115	106	270	100	88	190	108	72	204	108	89	221
2213	33312	116	126	222	111	119	299	107	79	244	111	108	255
2214	33313							98	73	208	98	73	208
2215	33314	121	84	285	95	77	220	99	67	220	105	76	242
2216	33315	103	95	281	111	85	305	97	73	197	104	85	261
2217	33316	102	86	315	105	78	265	108	71	297	105	78	292
2218	33317	102	92	267				98	74	248	100	83	257
2219	ZC							93	78	287	93	78	287
2220	33318	103	85	278	102	77	250	107	68	334	104	77	287
2221	33319	102	89	320	96	82	318	101	83	218	100	85	285
2222	33320	105	96	253	98	77	252	107	73	286	103	82	264
2223	33321	115	100	219	103	91	245	109	76	232	109	89	232
2224	33322	103	88	355	107	82	309	107	67	211	105	79	292
2225	33323	115	93	338	111	86	286	98	72	277	108	84	300
2226	33324	102	102	166	103	94	233	103	84	207	103	93	202
2227	33325	98	86	435	98	82	254	108	66	294	101	78	327
2228	33326				97	81	192	97	73	260	97	77	226
2229	33327	101	94	243	98	89	205	102	75	232	100	86	227
2230	33328	100	103	260	96	81	232	107	85	249	101	90	247
2231	33329	122	118	260	111	107	234	109	98	274	114	107	256
2232	33330	114	124	230	112	121	189	109	106	192	112	117	204
2233	33331	107	84	325	105	78	220	105	64	262	106	75	269
2235	LC	96	89	341	100	94	265	99	81	261	98	88	289
Experimental Mean		106	96	287	103	89	253	103	77	238	104	87	259
Standard Error		0.66			1.07			0.61			0.5		

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Trial No. 8b.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE III- EASTERN									ZONE III- EASTERN (5)		
		West Bengal						West Bengal (2)					
		Bankura			chinsurah			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
2202	31368				112	86	231	112	86	231	101	84	249
2203	32290	127	105	350	124	111	330	126	108	340	114	95	270
2204	32279	121	114	262	113	98	297	117	106	280	108	95	274
2205	32268	131	129	374	119	130	275	125	129	324	118	115	281
2206	32277	136	110	269	131	104	198	133	107	234	121	97	261
2207	32282				126	101	319	126	101	319	113	94	275
2208	33308	122	101	358	114	93	308	118	97	333	109	90	275
2209	33309	121	106	373	115	88	264	118	97	319	108	87	305
2210	CO-51 (NC)				122	103	374	122	103	374	111	95	298
2211	33310	119	109	369	121	100	308	120	105	339	111	93	292
2212	33311	131	114	253	123	97	275	127	106	264	115	96	238
2213	33312	134	86	351	124	141	275	129	114	313	119	110	278
2214	33313				114	99	198	114	99	198	106	86	203
2215	33314	116	96	372	113	69	308	114	83	340	109	79	281
2216	33315	110	91	351	132	85	231	121	88	291	111	86	273
2217	33316	123	84	335	117	93	297	120	89	316	111	83	302
2218	33317	114	431	344	109	99	286	112	265	315	106	174	286
2219	ZC				110	68	242	110	68	242	101	73	265
2220	33318	117	107	358	116	97	286	116	102	322	109	87	301
2221	33319	116	94	323	115	103	275	116	98	299	106	90	291
2222	33320	118	111	359	117	87	308	117	99	334	109	89	292
2223	33321	120	101	356	125	98	242	122	100	299	114	93	259
2224	33322	115	91	364	114	90	286	114	90	325	109	84	305
2225	33323	111	96	374	120	94	264	115	95	319	111	88	308
2226	33324	133	132	364	110	105	297	122	118	330	110	103	253
2227	33325	118	105	359	137	86	352	128	96	356	112	85	339
2228	33326				113	88	198	113	88	198	102	80	217
2229	33327	117	104	266	111	105	275	114	104	271	106	94	244
2230	33328				114	92	209	114	92	209	104	90	238
2231	33329				127	113	319	127	113	319	117	109	272
2232	33330				121	136	242	121	136	242	114	121	213
2233	33331	116	91	244	116	93	297	116	92	271	110	82	270
2235	LC	111	104	302	112	98	253	111	101	277	103	93	284
Experimental Mean		120	117	334	118	98	276	119	105	295	110	95	272
Standard Error		0.57			0.29			0.3			0.34		

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Trial No. 8b.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE VII- SOUTHERN																	
		Andhra Pradesh						Andhra Pradesh (2)			Karnataka						Karnataka (2)		
		Maruteru			Nellore			Mean			Gangavati			Mandya			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
2201	32072	93	117	340	84	107	542	88	112	441	111	106	280	101	88	268	106	97	274
2202	31368	80	123	343	95	98	602	87	111	473	96	104	316	99	92	264	98	98	290
2203	32290	87	122	320	88	106	822	87	114	571	109	107	314	94	89	282	101	98	298
2204	32279	82	124	337	98	106	627	90	115	482	100	105	363	105	92	286	102	98	324
2207	32282	91	116	343				91	116	343	117	108	280	103	94	280	110	101	280
2208	33308	83	117	323	84	100	755	83	109	539	108	103	336	106	90	275	107	97	306
2209	33309	84	113	340	87	92	729	85	103	534	101	111	371	98	88	279	99	100	325
2210	CO-51 (NC)	88	139	363	95	112	762	92	126	562	111	116	363	101	102	299	106	109	331
2211	33310	83	117	347	94	103	569	88	110	458	112	106	273	90	92	302	101	99	287
2212	33311	91	118	333	88	97	529	89	107	431	116	106	348	103	94	288	110	100	318
2213	33312	90	156	383	86	123	547	88	139	465	118	153	374	105	115	294	112	134	334
2214	33313	83	136	363	91	102	673	87	119	518				107	105	271	107	105	271
2215	33314	76	125	350	83	92	651	79	109	500	99	97	416	98	70	268	98	83	342
2216	33315	95	112	366	95	93	760	95	102	563	118	81	358	103	85	297	110	83	327
2217	33316	89	110	403	91	90	611	90	100	507	112	106	332	99	80	281	106	93	306
2218	33317	86	118	363	93	95	673	89	107	518	97	115	390	75	81	289	86	98	340
2219	ZC	84	123	373	88	105	635	86	114	504	103	108	315	100	95	290	101	101	303
2220	33318	89	108	396	88	89	778	88	98	587	113	102	334	103	84	299	108	93	316
2221	33319	87	125	373	89	104	804	88	114	588	107	125	367	102	101	260	104	113	313
2222	33320	89	106	363	86	98	762	87	102	563	105	106	286	110	82	303	108	94	294
2223	33321	84	109	356	92	102	680	88	105	518	114	115	335	98	93	282	106	104	308
2224	33322	85	110	360	88	95	584	86	103	472	104	107	345	94	72	297	99	89	321
2225	33323	95	109	373	85	90	838	90	100	605	117	113	359	96	79	298	106	96	329
2226	33324	87	124	366	91	102	458	89	113	412	109	123	365	115	95	278	112	109	322
2227	33325	83	105	366				83	105	366	109	78	335	105	71	295	107	74	315
2228	33326	84	96	330	94	96	787	89	96	558	96	92	256	111	78	284	104	85	270
2229	33327	87	116	343				87	116	343	105	105	336	109	93	279	107	99	308
2230	33328	87	127	350	85	108	640	86	117	495	96	105	318	104	96	279	100	100	299
2231	33329	94	139	370	91	114	724	92	127	547	117	122	377	100	104	309	108	113	343
2232	33330	95	144	337				95	144	337	115	134	326	101	134	275	108	134	300
2233	33331	94	125	376	87	138	520	90	132	448	108	116	299	99	72	284	104	94	291
2234	BPT 5204 (Parent)	99	106	366	95	90	538	97	98	452	118	103	312	111	77	297	114	90	304
2235	LC	90	113	353	92	98	667	91	106	510	99	102	356	92	98	299	95	100	328
Experimental Mean		87	119	356	89	101	664	88	112	491	108	108	335	101	90	285	105	99	310
Standard Error		0.88			1			0.77			0.64			0.55			0.45		

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Trial No. 8b.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25

Entry No	IET No	ZONE VII- SOUTHERN																		ZONE VII-SOUTHERN (9)		
		Kerala			Telangana									Telangana (3)			Tamil Nadu			Mean		
		Monocompu			Jagtial			Rajendranagar			Warangal			Mean			Coimbatore			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
2201	32072	88	85	157	108	89	372	109	90	469	103	82	424	106	87	421	89	84	253	98	94	345
2202	31368	89	80	150	88	98	361	103	94	471	97	88	405	96	93	412	90	85	293	93	96	356
2203	32290	84	82	119	108	95	403	104	90	376	105	87	378	106	91	386	87	86	255	96	96	363
2204	32279	91	81	128	102	95	383	106	93	400	97	93	356	102	94	380	80	80	325	96	97	356
2207	32282	94	78	105	109	99	374	119	95	509	109	94	384	112	96	422	83	95	298	103	97	322
2208	33308	91	75	124	98	98	407	106	89	493	101	86	441	101	91	447	77	82	368	95	93	392
2209	33309	87	75	142	98	94	411	103	81	538	97	85	421	99	86	457	86	68	385	93	90	402
2210	CO-51 (NC)	90	76	135	107	109	400	114	104	471	102	98	404	108	104	425	82	94	443	99	106	404
2211	33310	90	83	113	109	95	398	115	96	571	107	88	412	110	93	460	83	92	312	98	97	366
2212	33311	88	77	125	109	96	387	114	98	418	108	91	355	110	95	387	87	88	355	100	96	349
2213	33312	91	78	108	109	137	414	121	116	576	118	125	433	116	126	474	88	105	335	103	123	385
2214	33313	92	73	129							103	91	377	103	91	377	84	81	380	93	98	366
2215	33314	97	76	130	97	68	407	102	75	447	94	69	415	97	71	423	76	73	438	91	83	391
2216	33315	92	76	116	113	89	422	123	87	456	112	83	434	116	86	437	102	87	407	106	88	402
2217	33316	93	71	102	111	90	405	116	81	571	105	77	486	111	83	487	84	80	345	100	87	393
2218	33317	92	73	107	96	79	392	100	87	504	92	77	452	96	81	449	80	82	400	90	90	397
2219	ZC	92	72	114	100	96	396	107	98	409	97	90	390	101	95	398	79	80	340	94	96	362
2220	33318	92	81	117	109	85	398	116	87	487	105	78	424	110	83	436	101	71	382	102	87	402
2221	33319	91	72	128	104	97	385	103	94	516	100	87	395	102	93	432	82	84	358	96	99	398
2222	33320	91	67	125	104	86	385	120	90	520	99	80	419	108	85	441	78	76	357	98	88	391
2223	33321	96	66	137	109	99	385	117	87	491	108	90	374	111	92	417	98	52	348	102	90	376
2224	33322	95	73	134	104	92	363	105	78	538	97	77	400	102	82	434	79	84	308	95	88	370
2225	33323	94	73	137	110	88	420	120	88	562	107	84	436	112	87	472	80	78	325	100	89	416
2226	33324	95	70	108	102	120	371	105	93	618	99	97	399	102	103	463	92	90	318	99	102	365
2227	33325	90	70	109	103	80	398	108	81	580	102	74	474	104	78	484	83	73	325	98	79	360
2228	33326	94	72	122	89	86	365				103	91	336	96	88	350	86	71	382	95	85	358
2229	33327	95	72	121	96	100	381	108	92	473	99	88	376	101	93	410	96	89	362	99	94	334
2230	33328	91	71	113	94	98	376	118	95	591	94	88	375	102	93	447	99	89	330	96	97	375
2231	33329	91	75	129	113	106	400				114	102	383	114	104	391	96	95	330	102	107	378
2232	33330	96	77	130	110	148	378	120	122	340	107	127	302	112	132	340	101	113	260	105	125	294
2233	33331	92	84	109	109	91	385	108	79	407	98	74	381	105	81	391	95	74	318	99	95	342
2234	BPT 5204 (Parent)	91	76	113	113	86	398	129	82	533	112	77	430	118	81	454	103	77	425	108	86	379
2235	LC	92	84	131	103	93	400	108	82	449	97	97	427	102	91	425	86	74	322	95	93	378
Experimental Mean		91	75	123	104	96	391	111	90	492	102	88	402	106	92	425	87	82	344	98	95	372
Standard Error		1.7			0.46			1.17			1.91			1.08			1.13			0.46		

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Trial No. 8b.3 (Contd.): Days to 50% flowering, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – E - TP, Rabi 2024-25 (Not considered)

Entry No	IET No	ZONE VII- SOUTHERN											
		Karnataka			Kerala			Tamilnadu			Telangana		
		@Brahmavar			@Pattambi			@Adhutorai			@Kampasagar		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
2201	32072	72	64	303	91	65	581	84	89	285	100	99	440
2202	31368	76	71	306	92	74	554				105	126	528
2203	32290	90	69	316	88	80	335	88	112	278	101	127	484
2204	32279	74	61	289	88	73	453	79	103	358	106	127	462
2207	32282	90	61	295	91	70	420				107	129	462
2208	33308	61	71	279	94	80	656	79	106	290	107	128	440
2209	33309	82	64	306	91	75	665	80	90	288	102	119	462
2210	CO-51 (NC)	84	57	315	87	70	546	82	106	405	97	119	352
2211	33310	91	55	305	90	102	836				96	114	418
2212	33311	86	64	306	90	84	686	81	105	265	104	112	550
2213	33312	96	64	323	88	72	511	84	140	278	108	146	352
2214	33313	85	62	290	91	62	563				97	129	418
2215	33314	89	70	292	92	71	528	77	96	267	99	114	541
2216	33315	89	66	316	97	79	739	105	102	280	109	103	484
2217	33316	92	65	300	92	70	629	78	96	265	105	111	484
2218	33317	88	70	309	93	73	673	76	108	258	98	104	528
2219	ZC	85	64	320	92	79	695	77	103	260	105	124	396
2220	33318	89	62	336	92	80	770	104	79	283	102	108	462
2221	33319	82	58	321	92	78	726	80	105	283	97	119	462
2222	33320	93	47	307	91	74	524	77	93	288	99	114	594
2223	33321	92	60	287	91	70	862	84	106	298	100	108	484
2224	33322	92	70	345	96	86	603	77	95	280	102	108	550
2225	33323	95	51	369	95	76	994	79	102	305	99	99	563
2226	33324	90	55	318	94	73	647				102	128	513
2227	33325	92	64	318	95	81	739	80	87	315	99	114	513
2228	33326	98	76	308	90	99	634			50	96	101	462
2229	33327	99	65	287	94	84	502	80	108	261	99	113	550
2230	33328	93	52	315	95	104	647	110	125	278	97	118	462
2231	33329	88	85	303	91	78	572				102	118	440
2232	33330	86	68	322	91	77	937	114	142	318	108	148	409
2233	33331	82	62	313	96	76	871	89	89	275	101	103	484
2234	BPT 5204 (Parent)	88	76	307	92	84	726	117	98	360	111	107	557
2235	LC	93	78	312	91	72	524	74	88	260	101	120	616
Experimental mean		87	64	310	91	77	646	85	102	282	101	116	482

Hybrid Rice

Hybrid rice is a proven technology for increasing rice production and productivity and is playing an important role in increasing the rice production in our country. As a result of concerted efforts over the last three decades, 181 hybrids have been released and notified for commercial cultivation. Among these, 49 hybrids have been developed by the public sector, while the remaining 132 have been developed by the private sector. During the year 2025, hybrid rice was planted in an area of 4.0 m. ha. and more than 80% of the total hybrid rice area is in the states of Uttar Pradesh, Jharkhand, Chhattisgarh, Madhya Pradesh, Odisha and Haryana.

During this year (2025-26), 18 rice hybrids (17-CVRC & 1-SVRC) were released and notified by the Central Sub Committee on Crop standards, Notification & Release of varieties (CSCCSN & RV) for commercial cultivation in different parts of the country. The details of rice hybrids released and notified during 2025-26 are given in Table 1.

Table1: Details of rice hybrids released and notified during 2025-26

S. No.	Hybrid	IET No	Recommended states
Early			
1	ADV 8200 (UPLRH181325)	29694	Haryana, Rajasthan, Uttarakhand, Uttar Pradesh, Punjab, Odisha, West Bengal, Jharkhand, Bihar, Maharashtra, Madhya Pradesh, Chhattisgarh and Gujarat
2	JKRH-2062 (JKRH-1004)	29700	Punjab, Haryana, Rajasthan, Western Uttar Pradesh and Uttarakhand
3	JKRH-2601	28956	Madhya Pradesh, Chhattisgarh, Gujarat and Maharashtra
4	JKRH-2092 (JKRH-1170)	30561	Punjab, Haryana, Rajasthan, Western Uttar Pradesh and Uttarakhand
5	Pusa Rice Hybrid 60 (Pusa RH 60)	28965	Bihar and Eastern Uttar Pradesh
6	KRH 7374 (Kaveri-7374)	30565	Haryana, Punjab, Rajasthan, Western Uttar Pradesh and Uttarakhand
Mid-early			
7	JKRH-2082 Suraksha (JKRH-1135)	30579	West Bengal, Bihar, Jharkhand, Odisha and Eastern Uttar Pradesh
8	Srikar 2123 (SRH 333)	30573	Odisha, Uttar Pradesh, Jharkhand, West Bengal, Bihar, Tripura and Assam
9	LG90303	30593	Odisha, West Bengal, Bihar, Jharkhand, Uttar Pradesh, Maharashtra, Madhya Pradesh, Chhattisgarh, Tamil Nadu, Kerala, Karnataka, Andhra Pradesh and Puducherry, Telangana
10	RRX 3366	30574	Haryana, Uttarakhand, Punjab, Uttar Pradesh
Medium			
11	Indam 200-055	30604	Bihar, Jharkhand, Orissa, West Bengal, Uttar Pradesh, Maharashtra, Gujarat, Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Kerala, Puducherry
12	MRP 5499 (MEPH 170)	30608	Haryana, Uttarakhand, Punjab, Uttar Pradesh
13	CR Sankar Dhan -706	30613	Bihar, West Bengal, Odisha, Jharkhand and Uttar Pradesh
14	RNE-0456 (NK7104)	30603	Andhra Pradesh, Karnataka, Kerala, Puducherry, Tamil Nadu and Telangana
15	RNE-0463 (NK7006)	30605	Odisha, West Bengal, Jharkhand, eastern Uttar Pradesh and Bihar
Alkaline-Inland Saline Ecology			
16	DRRH-7	30165	Haryana, Uttar Pradesh, and Tamil Nadu
Early direct seeded ecology			
17	KRH 7117 (Kaveri-7117)	31193	Gujarat and Maharashtra
SVRC Release			
18	CR Sankar Dhan-705 (Ganga)	29752	Odisha

For identification of high yielding and widely adaptable hybrids, a national level three-tier system of evaluation is being adopted. In this system, the hybrids developed by constituent funded and voluntary centres of All India Coordinated Research Project on Rice (AICRPR), and those developed by private sector seed companies, having their own R&D are pooled together based on maturity groups in early(<120 days), mid early (121-130 days) and medium (131-140 days) trials. In addition, one more trial is also constituted aiming to develop and evaluate medium slender (MS) grain type hybrids. IHRTs are conducted in approximately 35 or more locations across the country and these trials consist of test hybrids, national varietal/hybrid checks, zonal and local varietal checks in the respective maturity and grain type groups. Private sector companies also participate in the IHRT evaluation.

The location data is considered for analysis, and the hybrids are promoted to the next stage of testing i.e., Advance Varietal Trial-1 (AVT-1) based on criterion mentioned in the proceeding of 56th ARGM (p14-15).

1. The significance of the trial is determined based on F-value. If the F value at individual location is not significant, data from such locations are not considered for assessment of entries.
2. ‘Minimum experimental mean yield of 4 t/ha for inbreds and 5 t/ha for hybrid trial is a requirement for inclusion of location data for assessment of entries.’ However, it has been slightly modified this year to include the yield data up to 4 t/ha for IHRTs as many locations were getting dropped, if 5 t/ha limit is applied.
3. CV for trial acceptance is in the range of 5-20%.
4. CD @ 5% is considered as criterion for promotion of entries.

Details regarding the criteria for promotion of hybrids in AICRIP trials is given in the Proceedings of 51st ARGM (pp 59-60).

The quality data of IHRT’s was not considered for promotion this year, in tune with the promotion criteria adapted for IVT trials.

During Kharif 2025, four hybrid trials were conducted and evaluated, and test locations are given in Table 2 and Table 3 respectively.

Rice Trials conducted Table 2: Details of Initial Hybrid during Kharif 2025

S. No.	Name of the trial	No. of hybrids evaluated		No. of test locations
		Public	Private	
1.	Initial Hybrid Rice Trial - Early	06	10	33
2.	Initial Hybrid Rice Trial - Mid Early	11	17	38
3.	Initial Hybrid Rice Trial - Medium	06	11	35
4.	Initial Hybrid Rice Trial - Medium Slender	06	02	30

Table 3: Zone wise test centers for Initial Hybrid Rice Trials, Kharif 2025

Zone	No. of Locations	Name of Locations
Zone I (Hills)	01	Public Sector: Malan (MLN)
Zone II (Northern)	05	Public Sector: , ICAR-IARI (IAR), Kaul (KUL), Ludhiana (LDN), Nagina (NGN), Pantnagar (PNT) Private Sector: Nuziveedu Seeds Pvt. Ltd. _Kurukshetra (NSL KUK)
Zone III (Eastern)	14	Public Sector: Chinsurah (CHN), Chiplima (CHP), ICAR-NRRI (CTK), Dhangain (DGN), Masodha (MSD), Ranchi (RCI), Sabour (SBR), Varanasi (VRN) Private Sector: Bayer Bio-science (BBS), Indo-American Seeds (IASH), Prasad Seeds Pvt. Ltd. (PSPL), Trimurthi Plant Sciences Pvt.Ltd. _Bareilly (TPSPL_BE) Trimurthi Plant Sciences Pvt.Ltd. Ranchi (TPSPL_RCI)
Zone IV (North-Eastern)	02	Public Sector: Titabar (TTB), Arundhatinagar (ARD)
Zone V (Central)	08	Public Sector: Jabalpur (JBP), Raipur (RPR), Sakoli (SKL), Sindewahi (SND), Waraseoni (WRS) Private Sector: Ankur Seeds Pvt.Ltd.(ANK), Nuziveedu Seeds Pvt. Ltd. Satna (NSL_STN), VNR Seeds Pvt.Ltd. (VSPL)
Zone VI (Western)	08	Public Sector: Dabhoi (DBI), Karjat (KJT), Navsari (NVS), Vyara (Vyara), Nawagam (NWG), Pondaghat (PDG), Radhanagari (RDN), Shirgaon (SHG), Vadgaon Maval (VDG)
Zone VII (Southern)	09	Public Sector: Aduthurai (ADT), Bapatla (BPT), Brahmavar (BRM), Coimbatore (CBT), Hyderabad (IIRR), Karaikal (KRK), Mandya (MND), Maruteru (MTU), Warangal (WGL)

1. Initial Hybrid Rice Trial - Early (IHRT-E)

Sixteen test hybrids (ten from private and six from public sector) were evaluated in 33 locations comprising Zone I, II, III, IV, V, VI and VII along with national hybrid check (US 314), national varietal check (CO-51), zonal varietal checks (PR124 - Zone II; NDR97 - Zone III; Luit - Zone IV; Shabhagidhan - Zone V & VI; MTU1153 - Zone VII) and local varietal checks of their respective locations. The details of the composition of the trial are given in Table 4. Besides these, an observational hybrid check viz., DRRH 6 was included in the trial to evaluate its performance vis-à-vis the existing hybrid check US-314 and if found promising to replace the US-314 as national hybrid check.

Table 04: Composition of Initial Hybrid Rice Trial – Early (IHRT-E), Kharif 2025

S.No.	IET No.	Name	Nominating Agency
1	33996	KSRH-1049	Kurnool Seeds, Hyderabad
2	33997	Rallis-250001	Rallis (I) Ltd., Hyderabad
3	33998	ADVRI-21-0156	Advanta, Hyderabad
4	33999	ADVRI-21-0072	Advanta, Hyderabad
5	34000	AGRH-1604	Alpgiri Seeds, Hyderabad
6	34001	ADVRI-21-0981	Advanta, Hyderabad
7	34002	CTVA-25101	Pioneer, Hyderabad
8	34003	KJTRH-2353	RARS, Karjat
9	34004	TNRH-397	TNAU, Coimbatore
10	34005	CTVA-25102	Pioneer, Hyderabad
11	34006	IIRRH-187	ICAR-IIRR, Hyderabad
12	34007	CTVA-25103	Pioneer, Hyderabad
13	34008	IIRRH-189	ICAR-IIRR, Hyderabad
14	34009	CTVA-25104	Pioneer, Hyderabad
15	34010	IIRRH-188	ICAR-IIRR, Hyderabad
16	34011	Pusa RH-74	ICAR-IARI, New Delhi
17	DRRH-6		Observational Check Hybrid
18	US-314		National Check Hybrid
19	CO-51		National Check Variety
20	Zonal Check Variety		Zonal Check Variety
21	Local Check Variety		Local Check Variety

Northern: PR-124; North Eastern: Luit; Eastern: NDR-97; Central and Western: Sahbhagidhan; Southern: MTU-1153

The detailed location wise and zone wise performance for grain yield and days to 50% flowering (DFF) is given in Appendix 1&2 respectively. The overall DFF ranged from 84 to 93 days. The national hybrid check (US-314) had overall mean of 90 days; varietal check (CO-51) of 85 days, zonal check of 87 days, and local check had 88 days. The details of the centres (low performance) whose data is not considered for analysis is given in Appendix 3.

Based on Zonal means, the hybrid CTVA-25104 was found promising in Zone II, Zone III, Zone VI and Zone VII, whereas the hybrid ADVRI-21-0072 was found promising in Zone VI only. Considering this, the two hybrids viz., CTVA-25104 and ADVRI-21-0072 are promoted to AVT-1-E-TP. The promising hybrids identified in IHRT-Early, Kharif 2025 are given in Table-5.

Table 5: Promising hybrids identified in IHRT-E, Kharif 2025

S. No.	Hybrid	IET. No.	DFF	Mean Yield (kg/ha)							Remarks
				Zone-I	Zone-II	Zone-III	Zone-IV	Zone-V	Zone-VI	Zone-VII	
1.	CTVA-25104	34009	92	7168	8142*#	7005*#	5180	6433	6293*#	8005*#	Promoted Zone II, III, VI & VII
2.	ADVRI-21-0072	33999	86	5898	7100	6157	4833	5919	6451*#	6664	Promoted Zone VI
	DRRH-6	OBCH	91	7442	7136	5914	5767	5603	4739	6640	
	US-314	NCH	90	8231	7603	5880	6293	6226	5680	6686	
	CO-51	NCV	85	7305	5834	5305	5000	4965	4605	6227	
		ZCV	87	6138	6802	6279	-	5374	4512	7186	
		LCV	88	3086	6509	5219	3713	5169	5045	5662	
	CD (0.05)			956	540	373	671	345	401	401	
	NCH+CD(0.05)			9187	8143	6253	6964	6571	6081	7087	
	BCV+CD(0.05)			8261	7342	6652	5671	5719	5446	7587	

#: denotes superior over Hybrid check; *: denotes superior over best Varietal check

The observational hybrid check DRRH 6 has shown ‘NO’ significant yield superiority over the national hybrid check (US-314) (Table-6) both on overall mean basis as well as zonal mean basis. Hence, it is ‘NOT’ considered to replace US-314 as national hybrid check.

Table 6: Performance of Observational Hybrid Check DRRH-6, over the existing National Hybrid Check US-314 in IHRT-E, Kharif 2025.

S.No.	Hybrid	DFF	Mean Yield (kg/ha)							
			Overall	Zone-I	Zone-II	Zone-III	Zone-IV	Zone-V	Zone-VI	Zone-VII
1	DRRH-6	91	6015	7442	7136	5914	5767	5603	4739	6640
2	US-314	90	6419	8231	7603	5880	6293	6226	5680	6686
	CD(0.05)		198	956	540	373	671	345	401	401
	NCH+CD(0.05)		6617	9187	8143	6253	6964	6571	6081	7087

2. Initial Hybrid Rice Trial - Mid Early (IHRT-ME)

Mid Early trial comprising of 28 hybrids and four checks viz., Gontra Bidhan-3 (National varietal check); US 312 (National hybrid check); Zonal checks - PR 113 (Zone II); Lalat (Zone III); Karjat-7 (Zone V&VI); MTU 1010 (Zone VII) and respective local checks were conducted at 38 locations. Among the 28 hybrids evaluated, 17 were from private sector and 11 from public sector. The composition of the trial is given in Table 7.

Table 7: Composition of Initial Hybrid Rice Trial - Mid Early (IHRT-ME), Kharif 2025

S.No.	IET No.	Name	Nominating Agency
1	34012	KSRH-1015	Kurnool Seeds, Hyderabad
2	34013	Rallis-DR-8355	Rallis (I) Ltd., Hyderabad
3	34014	TMRH-5513	Trimurti, Hyderabad
4	34015	NPH-X-144	Nuziveedu Seeds, Hyderabad
5	34016	Rallis-250002	Rallis (I) Ltd., Hyderabad
6	34017	TMRH-5535	Trimurti, Hyderabad

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S.No.	IET No.	Name	Nominating Agency
7	34018	NPH-X-148	Nuziveedu Seeds, Hyderabad
8	34019	ADVRH-190553	Advanta, Hyderabad
9	34020	Indam 200-063	Indo-American, Hyderabad
10	34021	CTVA-25105	Pioneer, Hyderabad
11	34022	KJTRH-2334	RARS, Karjat
12	34023	CTVA-25106	Pioneer, Hyderabad
13	34024	KJTRH-2314	RARS, Karjat
14	34025	CTVA-25107	Pioneer, Hyderabad
15	34026	XP-410	Savannah Seed, Hyderabad
16	34027	TNTRH-107	TNAU, Coimbatore
17	34028	NDLRH-526	RARS, Nandyal
18	34029	IIRRH-190	ICAR-IIRR, Hyderabad
19	34030	NDLRH-564	RARS, Nandyal
20	34031	IIRRH-191	ICAR-IIRR, Hyderabad
21	34032	VNR-240	VNR Seeds, Raipur
22	34033	RRH-1	RPCAU, Pusa, Bihar
23	34034	JGLH-497	RARS, Jagtial
24	34035	RRH-2	RPCAU, Pusa, Bihar
25	34036	NK-4010 (RNC-1367)	Syngenta, Hyderabad
26	34037	CRHR-200	ICAR-CRRI, Cuttack
27	34038	CHR-846	Crystal Seeds, Hyderabad
28	33001	BAYR-4201	Bayer Bioscience, Hyderabad
29	VNR-2228		National Check Hybrid
30	Gontra Bidhan-3		National Check Variety
31	Zonal Check Variety		Zonal Check Variety
32	Local Check Variety		Local Check Variety

North Zone: PR 113; East Zone: Lalat; West Zone: Karjat-7; South Zone: MTU-1010

Performance of the hybrids with respect to grain yield and days to 50% flowering (DFF) are given in Appendix 4&5 respectively. The details of the centres (low performance) whose data is not considered for analysis is given in Appendix 6.

Performance of promising hybrids identified in different zones is given in Table 8. In the trial, mean DFF of checks ranged from 88-110 days, the hybrid check VNR-2228 had mean DFF of 98 days. The varietal checks viz., national, zonal and local checks had mean DFF of 92, 95 and 95 days respectively.

Table 8: Promising hybrids identified in IHRT-ME, Kharif 2025

S. No.	Hybrid	IET. No.	DFF	Mean Yield (kg/ha)						Remarks
				Zone-II	Zone-III	Zone-IV	Zone-V	Zone-VI	Zone-VII	
1	ADVRH-190553	34019	97	7288 *#	7148 *#	5771	7164 *#	6130	8140 *#	Promoted Zone II, III, V, VII
2	CTVA-25107	34025	99	7052 *#	7077 *#	5367	7054 *#	6634	7422	Promoted Zone II, III, V
3	Rallis-DR-8355	34013	97	6548 *#	6969	6251	6836 *#	6078	7937	Promoted Zone II, V
4	CTVA-25105	34021	98	6591*#	6975	6069	7053*#	6585	7336	Promoted Zone II, V
5	VNR-240	34032	98	6922*#	6559	5951	7157*#	6524	7564	Promoted Zone II, V
6	XP-410	34026	94	7062*#	7167*#	6144	6625*#	6165	6819	Promoted Zone II, III, V
7	TMRH-5513	34014	92	7041*#	7078*#	4634	6088	5765	7094	Promoted zone II,III
8	NPH-X-144	34015	94	6851*#	6787	5453	6803*#	6360	7149	Promoted zone II,V
9	Rallis-250002	34016	92	6777*#	6705	5605	6464	5347	6000	Promoted zone II
10	CTVA-25106	34023	95	6955*#	6349	5789	6509	6329	7759	Promoted zone II
11	Indam-200-063	34020	93	5929	7356*#	5888	6142	5739	7405	Promoted zone III
	VNR 2228	NCH	98	6144	6683	6819	6075	6561	7623	
	Gontra Bidhan-3	NCV	92	4518	4886	5992	4923	4994	5214	
		ZCV	95	5373	5417	4379	5121	4487	5659	
		LCV	95	5723	5506	4135	5427	4800	6167	
	CD(0.05)			256	294	712	455	518	396	
	HC+ CD(0.05)			6400	6977	7531	6530	7079	8019	
	BVC+ CD(0.05)			5979	5800	6704	5882	5512	6563	

#: Denotes superior to Hybrid Check; *: Denotes superior to Best Varietal Check.

Based on zonal means, eleven hybrids viz., ADVRH-190553 (Zone II,III, V & VII), TMRH-5513 (Zone II & III), CTVA-25107 (Zone II,III & V) NPH-X-144 (Zone II & V), Rallis-DR-8355, CTVA-25105 and VNR-240, XP-410 (Zone II & V), Rallis-250002 & CTVA-25106 (Zone II), Indam-200-063 (Zone III) were found promising and all these 11 hybrids are promoted to AVT-1-ME.

3. Initial Hybrid Rice Trial - Medium (IHRT-M)

The IHRT-M conducted at 35 locations, with 17 hybrids (public sector - 06; private sector - 11) along with four checks viz., HRI-174 (National hybrid check); NDR-359 (National varietal check); Zonal varietal checks (PR 121 - Zone II; CR Dhan 300 - Zone III&IV); IR-64 - Zone V; Akshayadhan - Zone VI; Jaya - Zone VII) and local checks of their respective locations. The composition of the trial is given in Table 9.

Table 9: Composition of Initial Hybrid Rice Trial - Medium (IHRT-M), Kharif2025

S.No.	IET No.	Name	Nominating Agency
1	34039	PTH-1	GBPUAT, Pantnagar
2	34040	BRI-22022	Bio-Seed, Hyderabad
3	34041	LG 90461	Lima grain, Hyderabad
4	34042	CTVA-25108	Pioneer, Hyderabad

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5	34043	LG 90462	Lima grain, Hyderabad
6	34044	XP-423	Savannah Seed, Hyderabad
7	34045	TNTRH-202	TNAU, Coimbatore
8	34046	NDLRH-557	RARS, Nandyal
9	31700	PAN-2440	PAN Seeds, Kolkata
10	32596	BAYR-4514	Bayer Bioscience, Hyderabad
11	34047	SW-3148	Seed Works, Hyderabad
12	34048	Indam 200-064	Indo-American, Hyderabad
13	34049	CRHR-198	ICAR-CRRI, Cuttack
14	34050	BS-348	Yaganti Agrotech., Hyderabad
15	34051	CRHR-199	ICAR-CRRI, Cuttack
16	34052	NK-7013 (RNE-0839)	Syngenta, Hyderabad
17	34053	IIRRH-192	ICAR-IIRR, Hyderabad
18	AZ8433DT		National Check Hybrid
19	NDR-359		National Check Variety
20	Zonal Check Variety		Zonal Check Variety
21	Local Check Variety		Local Check Variety

Northern: PR-121; Eastern and North Eastern: CR Dhan-300; Central: IR-64; Western: Akshayadhan; Southern: Jaya

Performance of the hybrids with respect to grain yield and days to 50% flowering (DFF) are given in Appendix 7&8 respectively. The details of the centres (low performance) whose data is not considered for analysis is given in Appendix 9.

Based on the overall mean, three hybrids viz., based on zonal means, six hybrids viz., NK-7013 (RNE 0839) for (Zone II, III & VI), XP-423 (Zone II & III), Indam-200-064 (Zone VI), BRI-22022, NDLRH-557 (Zone IV), LG-90461 (Zone II) were found promising. All these six hybrids are promoted to AVT-1-M (Table 10).

Table 10: Promising hybrids identified in IHRT-M, Kharif 2025

S. No.	Hybrid	IET. No.	DFF	Mean Yield (kg/ha)						Remarks
				Zone-II	Zone-III	Zone-IV	Zone-V	Zone-VI	Zone-VII	
1.	NK-7013 (RNE 0839)	34052	101	7048*#	7478*#	5086	6653	6168*#	7745	Promoted Zone II, III, VI
2.	XP-423	34044	100	6763*#	7154*#	5253	6643	6055	7852	Promoted Zone II, III
3.	Indam-200-064	34048	98	6520	6651	5654	6438	6387*#	6766	Promoted Zone VI
4	BRI-22022	34040	97	6434	5918	6681*#	6488	5313	6818	Promoted Zone IV
5	NDLRH-557	34046	106	3155	4952	6608*#	4555	4670	5443	Promoted Zone IV
6	LG 90461	34041	99	6681*#	6927	5110	6403	5885	7122	Promoted Zone II
	AZ8433DT	NCH	101	5565	6682	5628	6911	5602	7391	
	NDR-359	NCV	99	4884	6070	5459	5319	4680	6605	
		ZCV	101	4654	5018	5511	4750	5142	6122	
		LCV	102	6321	5663	4504	5488	5051	6753	
	CD(0.05)			287	396	897	439	492	529	
	HC+CD(0.05)			5852	7078	6525	7350	6094	7920	
	BVC+CD(0.05)			6608	6466	6408	5927	5634	7282	

4. Initial Hybrid Rice Trial - Medium Slender (IHRT-MS), Kharif 2024

The trial consisting of eight hybrids (six from public and two from private sector) was conducted at 30 locations. It has four checks viz., national hybrid check (27P63); national varietal checks (BPT 5204 and WGL-14); zonal checks (Improved Samba Mahsuri - Zone III and V; Karjat 6 - Zone VI; Ketekejoha - Zone IV; ADT 49 - Zone VII). The details about the composition of the trial are given in Table 11.

Table 11: Composition of Initial Hybrid Rice Trial - Medium Slender (IHRT-MS), Kharif 2025

S.No.	IET No.	Name	Nominating Agency
1	34054	TNTRH-174	TNAU, Coimbatore
2	34055	VNR-241	VNR Seeds, Raipur
3	34056	JGLH-490	RARS, Jagtial
4	34057	RNRH-310	IRR, PJTAU, Hyderabad
5	34058	JGLH-518	RARS, Jagtial
6	34059	CRHR-194	ICAR-CRRI, Cuttack
7	34060	CRHR-195	ICAR-CRRI, Cuttack
8	34061	Kaveri-7624	Kaveri Seeds, Hyderabad
9	27P63		National Check Hybrid
10	WGL-14		National Check Variety-1
11	BPT-5204		National Check Variety-2
12	Zonal Check Variety		Zonal Check Variety

Eastern and Central: Improved Samba Mahsuri; North East: Ketekejoha; Western: Karjat-6 and Southern: ADT-49

The location wise mean data of grain yield, DFF and grain type are given in Appendix 10&11 respectively. The details of the centres (low performance) whose data is not considered for analysis is given in Appendix 12.

Based on zonal mean basis, three hybrids viz., JGLH-518 (Zone III, V, and VI), JGLH-490 (Zone III) and Kaveri 7624 (Zone V) were found promising with required yield advantage over the varietal and hybrid checks (Table 12). These two hybrids are promoted to AVT-1 MS trial.

Table 12: Promising hybrids identified in IHRT-MS, Kharif 2025

S. No.	Hybrid	IET. No.	DFF	Grain Type	Mean Yield (kg/ha)					Remarks
					Zone-III	Zone-IV	Zone-V	Zone-VI	Zone-VII	
1	JGLH-518	34058	97	MS	6289*#	5276	6594*#	5798*#	6117	Promoted Zone III,V,VI
2	JGLH-490	34056	102	MS	6357*#	5480	5130	5269	6596	Promoted Zone III
3	Kaveri 7624	34061	99	MS	6160	4678	6663*#	5623	6866	Promoted Zone V
	27P63	NCH	102	MS	5668	5022	6077	5268	7267	
	WGL-14	NCV-1	106	MS	5125	5854	5799	4762	6616	
	BPT-5204	NCV-2	99	MS	5008	4985	4345	4508	4601	
		ZCV	104	MS	5075	4956	4978	4903	5911	
	CD(0.05)				503	658	390	437	374	
	HC+CD(0.05)				6171	5680	6467	5705	7641	
	BVC+CD(0.05)				5628	6512	6189	5340	6990	

#: Denotes superior to Hybrid Check; *: Denotes superior to Best Varietal Check.

Appendix- 1: Grain Yield (kg/ha) of hybrids in IHRT-Early, Kharif 2025

S. No.	IET No.	Name	Zone-1		Zone-2						Zone-3 Contd...				
			HP-Z1 MLN	HR-Z2 KUL	UK-Z2 PNT	PB-Z2 LDN	DL-Z2 IAR	Zone-2 (4)	UP-Z3 MSD	WB-Z3 CHN	OD-Z3 CTK	JH-Z3 Contd... RCI	BBS		
1	33996	KSRH-1049	4252	6573	4949	4352	9666(5)	9720(4)	6385	5302	6926	5936(7)	5267(10)	7384	
2	33997	Rallis-250001	8985(1)	7587(4)	6533	5938(5)	9720(4)	7444(3)		7635(3)	6852	4921	6200(3)	6992(8)	
3	33998	ADVRI-21-0156	8093(3)	7510(7)	6718(9)	5592(7)	8823	7161(7)		6700(8)	7296(7)	5504(9)	6467(2)	8879(2)	
4	33999	ADVRI-21-0072	5898	7027	7294(3)	4642	9436(7)	7100(9)		6654(10)	7630(2)	4879	5400(7)	7461(3)	
5	34000	AGRH-1604	5281	7670(2)	6053	3684	9002	6602		4527	7148	4759	3933	6088	
6	34001	ADVRI-21-0981	7236(8)	7530(6)	5788	4855	10662(1)	7209(6)		4380	5741	5999(5)	5833(4)	6737(10)	
7	34002	CTVA-25101	5418	6317	6936(6)	4541	9420(8)	6803		4260	5778	5431(10)	4600	6410	
8	34003	KJTRH-2353	5315	6573	6893(7)	4485	6812	6191		4510	7370(6)	4587	4300	5307	
9	34004	TNRH-397	3875	3970	6143	4726	6789	5407		4214	6037	6550(1)	4267	9210(1)	
10	34005	CTVA-25102	5590	7383(8)	7013(4)	4952(10)	9894(3)	7310(5)		7643(2)	7259(9)	5173	5500(6)	7125(5)	
11	34006	IIRRH-187	7922(5)	6780	6876(8)	4891	9186	6933(10)		7122(7)	5852	6482(2)	5333(8)	5270	
12	34007	CTVA-25103	5213	7660(3)	6971(5)	5378(8)	9436(6)	7361(4)		6675(9)	7518(4)	5170	4833	5825	
13	34008	IIRRH-189	7990(4)	6223	6621(10)	5278(9)	8503	6656		4506	7148	4512	5333(8)	6290	
14	34009	CTVA-25104	7168(9)	7947(1)	7809(1)	6208(4)	10605(2)	8142(1)		7144(6)	7926(1)	6063	7033(1)	7015(7)	
15	34010	IIRRH-188	5418	4990	4864	3736	7101	5173		7993(1)	5371	6330(3)	3900	4577	
16	34011	Pusa RH-74	3292	7553(5)	6396	4296	7239	6371		4360	7185(10)	5638(8)	4833	5374	
17	DRRH-6 (OBCH)	7442(6)	7043	6585	5709(6)	9206(10)	7136(8)	7597(4)		7597(4)	7296(8)	4519	5133	7041(6)	
18	US-314 (NCH)	8231(2)	6660	7347(2)	7198(2)	9208(9)	7603(2)	4226		4226	7593(3)	5344	5733(5)	6732	
19	CO-51 (NCV)	7305(7)	5553	5604	4485	7696	5834	5834		4380	6074	5955(6)	4733	5952	
20	Zonal Check Variety	6138(10)	7273(10)	6087	7524(1)	6326	6802	6802		7267(5)	7482(5)	4600	6878(9)	6878(9)	
21	Local Check Variety	3086	7357(9)	4358	6478(3)	7843	6509	6509		4276	5519	3963	5167	6221	
Exp. Mean		6150	6818	6373	5188	8694	6768	6768		5780	6810	5386	5162	6608	
CD (0.05)		956	876	651	727	1424	540	540		705	1667	722	747	525	
CV (%)		9.42	7.79	6.19	8.5	9.92	4.83	4.83		7.39	14.84	8.11	8.77	4.81	
F value		25.91	10.4	14.69	16.43	6.58	14.47	14.47		36	1.89	8.39	9.5	36.86	
NHC+CD (0.05)		9187	7536	7998	7925	10632	8143	8143		4931	9260	6066	6480	7257	
BVC+CD (0.05)		8261	8233	6738	8251	9267	7342	7342		7972	9149	6677	5914	7403	
DOS		30.5.25	3.6.25	5.6.25	2.6.27	5.6.25	5.6.25	5.6.25		18.6.25	19.6.25	2.6.25	30.6.25	26.6.25	
DOP		2.7.25	5.7.25	2.7.25	2.7.27	3.7.25	3.7.25	3.7.25		18.7.25	19.7.25	30.6.25	26.7.25	29.7.25	
Gross Plot Size (Sq. m)		4.86	10	10.13	10.13	10	10	10		10	11.34	9	10	10	
Net Plot Size (Sq. m)		4.86	10	10.13	8.28	10	10	10		7.99	9	6.72	-	10	
Zonal Check Variety		PR-124	PR-124	PR-124	PR-124	PR-124	PR-124	PR-124		NDR-97	NDR-97	NDR-97	NDR-97	NDR-97	
Local Check Variety		HPR 2143	HKR 49	Govind	PR 126	PUSA 2090				NDR 97	Ajit	Annada	Sabbhagidhan	IR 36	

Appendix- 1(Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Early, Kharif 2025

S.No.	IET No.	Name	Zone-3				Zone-4		Zone-5 Contd...										MH-Z5 Contd...			
			BR-Z3		Zone-3(6)		AS-Z4		CG-Z5				MP-Z5			MP-Z5 (2)						
			JH-Z3(2)	PSPL	Zone-3(6)	TTB	AS-Z4	RPR	VNRS	CG-Z5(2)	JBP	WRS	MP-Z5	MP-Z5 (2)	SND	SKL						
1	33996	KSRH-1049	6325(6)	5690(8)	6084(6)	5343	5343	3573	6800(9)	5187	6007(3)	5688	5848(7)	5021	5867							
2	33997	Rallis-250001	6596(4)	6389(2)	6498(3)	6053(3)	6053(3)	5047(4)	8401(2)	6724(3)	7350(2)	6043	6696(2)	5049	7433(4)							
3	33998	ADVRI-21-0156	7673(1)	4840	6614(2)	4483	4483	4508(8)	6008	5258	7717(1)	6073(10)	6895(1)	5008	7667(1)							
4	33999	ADVRI-21-0072	6430(5)	4918	6157(5)	4833	4833	5121(3)	7262(4)	6192(4)	5233(8)	5979	5606(9)	5198(6)	7233(7)							
5	34000	AGRH-1604	5011	4395	5142	4787	4787	3762	4275	4018	4557	5355	4956	6063(1)	7367(5)							
6	34001	ADVRI-21-0981	6285(8)	4935	5604	5717(10)	3902	3902	5143	4523	5240(7)	6825(4)	6033(6)	5318(5)	7500(2)							
7	34002	CTVA-25101	5505	4831	5218	5970(4)	4374	4374	3901	4137	4167	6455(8)	5311	5161(10)	7300(6)							
8	34003	KJTRH-2353	4803	5733(7)	5301	5143	4874(5)	4108	5029	4568	3767	5405	4586	4798	4833							
9	34004	TNRH-397	6738(3)	4550	5805	5543	5543	4108	5029	4568	3543	4777	4160	4828	3550							
10	34005	CTVA-25102	6312(7)	2490	5865(10)	5720(9)	4431(10)	4431(10)	6629	5530(8)	4447	6727(6)	5587(10)	5162(9)	5733							
11	34006	IIRRH-187	5302	5901(6)	5994(7)	5847(6)	4814(6)	4814(6)	5745	5280	4183	6780(5)	5482	5088	5533							
12	34007	CTVA-25103	5329	4683	5784	6183(2)	4693(7)	4693(7)	7199(5)	5946(5)	4847(9)	4815	4831	5011	6233							
13	34008	IIRRH-189	5812	5451(10)	5540	5617	4490(9)	4490(9)	7110(6)	5800(7)	5600(5)	6652(7)	6126(5)	5181(7)	7500(2)							
14	34009	CTVA-25104	7024(2)	6848(1)	7005(1)	5180	5425(2)	3064	9029(1)	7227(1)	4837(10)	7597(1)	6217(4)	5531(3)	6600							
15	34010	IIRRH-188	4238	6200(3)	5729	5920(5)	3064	3064	5565	4314	3073	4040	3557	4781	4667							
16	34011	Pusa RH-74	5104	6191(4)	5597	5767(7)	3758	3758	6231	4995	3240	4758	3999	3784	4467							
17	DRRH-6 (OBCH)		6087(10)	3899	5914(8)	5767(7)	4060	4060	6548	5304(10)	4513	7067(3)	5790(8)	5344(4)	6900(9)							
18	US-314 (NCH)		6233(9)	5649(9)	5880(9)	6293(1)	6150(1)	6150(1)	8124(3)	7137(2)	5540(6)	7305(2)	6423(3)	4971	5200							
19	CO-51 (NCV)		5342	4736	5305	5000	3503	3503	3921	3712	5740(4)	4554	5147	4854	6967(8)							
20	Zonal Check Variety		5739	5167	6279(4)		4055	2936	6923(7)	5489(9)	4133	6187(9)	5160	5800(2)	5533							
21	Local Check Variety		5694	6167(5)	5219	3713	2936	4317	6657(10)	4796	4360	5197	4778	5171(8)	6667(10)							
Exp. Mean			5885	5222	5835	5444	4317	4317	6348	5332	4862	5918	5390	5101	6226							
CD (0.05)			412	848	373	671	817	817	1331	796	454	1018	557	788	1154							
CV (%)			4.25	9.84	3.87	7.46	11.48	11.48	12.7	9.05	5.66	10.43	6.26	9.36	11.23							
F value			31.54	10.98	14.2	7.47	7.47	7.47	8.79	12.2	56.57	7.73	20.53	2.53	8.77							
NHC+CD (0.05)			6645	6497	6253	6964	6967	6967	9455	7933	5994	8323	6980	5759	6354							
BVC+CD (0.05)			6151	7015	6652	5671	4872	4872	8254	6285	6194	7205	5717	6588	8121							
D/S				19.6.25		4.7.25	20.6.25	20.6.25	5.6.25		12.6.25	24.6.25		16.6.25	21.6.25							
D/P				18.7.25		5.8.25	15.7.25	15.7.25	27.6.25		7.7.25	15.7.25		12.7.25	16.7.25							
Gross Plot Size (Sq. m)				-		10	10.99	10.99			10	10		10	10							
Net Plot Size (Sq. m)				10		10	7.55	7.55	6.44		7.99	8.82		7.99	10							
Zonal Check Variety			NDR-97			Luit	Sahbhagidhan	Sahbhagidhan	Sahbhagidhan		Sahbhagidhan	Sahbhagidhan		Sahbhagidhan	Sahbhagidhan							
Local Check Variety			SS 511			Kolong	Barani Dhan 1	MTU 1010	MTU 1010		MTU 1010	JR 81										

Appendix- 1(Cond...): Grain Yield (kg/ha) of hybrids in IHRT-Early, Kharif 2025

S.No.	IET No.	Name	Zone-5			Zone-6					Zone-6 Contd...		
			MH-Z5		Zone-5	MH-Z6					GJ-Z6	GJ-Z6	
			ANKN	MH-Z5 (3)	Zone-5	KJT	VDG	RDN	MH-Z6 (3)	MH_overall (6)	VYR	DBI	GJ-Z6 (2)
1	33996	KSRH-1049	5741(4)	5543	5528(9)	6726(3)	7491(8)	3972	6063(8)	5803(7)	5055(2)	3898	4690(6)
2	33997	Rallis-250001	5784(3)	6089(2)	6444(1)	5765	8965(2)	5139(5)	6623(3)	6356	4510(10)	3976(10)	4319(8)
3	33998	ADVRL-21-0156	4612	5762(7)	5942(4)	5335	8767(3)	4719(6)	6274(5)	6018(4)	4756(4)	4720(6)	4778(5)
4	33999	ADVRL-21-0072	5404(6)	5945(5)	5919(5)	6292(5)	8992(1)	6922(1)	7402(1)	6674(1)	4541(9)	4902(4)	4688(7)
5	34000	AGRH-1604	4555	5995(4)	5133	6264(6)	4557	3803	4875	5435	3738	3235	3608
6	34001	ADVRL-21-0981	5493(5)	6103(1)	5632(7)	5275	6211	4133	5206	5655(10)	4599(8)	3137	4060
7	34002	CTVA-25101	5355(7)	5939(6)	5245	5546	4911	3980	4813	5376	3731	4686(7)	4082
8	34003	KJTRH-2353	4897	4843	5056	6613(4)	6797(10)	4531(7)	5980(10)	5412	3850	3182	3656
9	34004	TNRH-397	4452	4277	4327	5599	6794	4215(9)	5536	4906	3624	3216	3434
10	34005	CTVA-25102	5207(9)	5367	5476(10)	5228	7790(6)	5195(4)	6071(7)	5719(9)	4816(3)	2887	4170(10)
11	34006	IJRRH-187	4844	5155	5284	5321	5528	4019	4956	5055	3978	3996(9)	3966
12	34007	CTVA-25103	5053	5433	5407	6120(8)	7233(9)	6145(2)	6499(4)	5966(5)	4470	5514(3)	5044(2)
13	34008	IJRRH-189	4399	5693(8)	5847(6)	6826(2)	7602(7)	4193(10)	6207(6)	5950(6)	3695	4878(5)	3950
14	34009	CTVA-25104	6011(2)	6047(3)	6433(2)	7388(1)	8152(4)	5852(3)	7131(2)	6589(2)	5364(1)	3898	4894(3)
15	34010	IJRRH-188	3152	4200	4049	5874(9)	4346	2948	4389	4295	3550	3750	3783
16	34011	Pusa RH-74	4505	4252	4392	5383	4587	3507	4493	4372	4277	3014	3813
17	DRRH-6 (OBCH)		4790	5678	5603(8)	6189(7)	4547	4167	4968	5323	4599(7)	3897	4262(9)
18	US-314 (NCH)		6289(1)	5487	6226(3)	5871(10)	8130(5)	3984	5995(9)	5741(8)	4740(5)	5612	5085(1)
19	CO-51 (NCV)		5214(8)	5678(9)	4965	5661	6142	4120	5308	5493	3406	3162	3354
20	Zonal Check Variety		4987	5440	5374	5387	4818	4247(8)	4817	5129	3925	4069(8)	3968
21	Local Check Variety		5197(10)	5678(9)	5169	5391	5592	4171	5051	5365	4654(6)	5808(1)	4893(4)
Exp. Mean			5045	5457	5402	5907	6569	4474	5650	5554	4280	4068	4214
CD (0.05)			492	582	345	918	765	774	485	432	1008	745	837
CV (%)			5.92	6.46	3.87	9.42	7.06	10.48	5.2	4.71	14.27	8.78	12.03
F value			15.52	8.6	28.07	3.51	35.27	11.58	25.67	16.73	2.44	12.74	3.36
NHC+CD (0.05)			6781	6069	6571	6789	8895	4758	6480	6173	5748	6357	5922
BVC+CD (0.05)			5706	5706	5719	6579	6907	5021	5793	5925	5662	6553	5730
D/S			28.6.25			9.6.25	30.6.25	5.6.25			20.6.25	5.6.25	
D/P			25.7.25			2.7.25	2.8.25	2.7.25			18.7.25	11.7.25	
Gross Plot Size (Sq. m)			9.36			7.83	13.50	7.42			8.55	12.96	
Net Plot Size (Sq. m)			7.6			5.63	10.14	5.27			6.48	10.2	
Zonal Check Variety		Sahbhagidhan				Sahbhagidhan	Sahbhagidhan	Sahbhagidhan			Sahbhagidhan	Sahbhagidhan	
Local Check Variety		MTU 1010				Karjat 7	Phule Radha	Phule Radha			GR 24	GR 24	

Appendix- 1(Cond...): Grain Yield (kg/ha) of hybrids in IHRT-Early, Kharif 2025

S. No.	IET No.	Name	Zone-6		Zone-7					Overall(30)			
			Zone-6 (6)	AP-Z7	TG-Z7			KA-Z7	TN-Z7				
					IIRR	WGL	TG-Z7(2)		MND		CBT	ADT	TN(2)
1	33996	KSRH-1049	5538(7)	5948(7)	5889(2)	6355(10)	6122(9)	8781	6452	5967	6209	6565	5919
2	33997	Rallis-250001	5805(4)	7371(2)	5517(5)	8786(2)	7151(1)	10342(6)	7043(8)	6280(7)	6662(9)	7556(2)	6784(2)
3	33998	ADVRI-21-0156	5738(5)	5008	5312	4726	5019	11244(1)	7208(7)	4930	6069	6405	6325(4)
4	33999	ADVRI-21-0072	6451(1)	5305	5369(8)	3834	4602	10579(3)	7731(3)	7167(1)	7449(2)	6664(10)	6320(5)
5	34000	AGRH-1604	4394	3762	5463(7)	4887	5175	9244	6898(10)	5813	6356	6011	5390
6	34001	ADVRI-21-0981	4806	3932	5160	8066(4)	6613(4)	10402(5)	6405	6613(4)	6509	6763(7)	5993
7	34002	CTVA-25101	4584	4525	4749	4571	4660	10193(8)	6519	5797	6158	6059	5539
8	34003	KJTRH-2353	5146(10)	7281(4)	4596	7963(5)	6280(6)	8363	7632(4)	6180(10)	6906(5)	7003(5)	5678
9	34004	TNRH-397	4793	3689	4888	5833	5361	6363	5005	6297(6)	5651	5346	5077
10	34005	CTVA-25102	5383(9)	5678(10)	6128(1)	7545(6)	6836(3)	10275(7)	7615(5)	5913	6764(7)	7192	6144(6)
11	34006	IIRRH-187	4604	5588	5649(3)	6879(9)	6264(7)	10402(4)	6955(9)	6147	6551(10)	6937(6)	5986
12	34007	CTVA-25103	5955(3)	4112	5350(10)	7006(8)	6178(8)	9854(10)	7400(6)	6463(5)	6932(4)	6698(8)	6110(7)
13	34008	IIRRH-189	5461(8)	7458(1)	3793	7270(7)	5532	8902	5953	5893	5923	6545	6042(8)
14	34009	CTVA-25104	6293(2)	7128(5)	5362(9)	8937(1)	7150(2)	10927(2)	9492(1)	6183(9)	7838(1)	8005(1)	7057(1)
15	34010	IIRRH-188	4122	3922	5594(4)	4945	5270	6565	5275	5483	5379	5298	4914
16	34011	Pusa RH-74	4239	4009	4674	5278	4976	5768	6229	5860	6044	5303	5072
17	DRRH-6 (OBCH)		4739	5808(9)	5300	6101	5701(10)	9104	6495	7030(3)	6762(8)	6640	6015(10)
18	US-314 (NCH)		5680(6)	7348(3)	5162	4259	4711	9611	6654	7080(2)	6867(6)	6686(9)	6419(3)
19	CO-51 (NCV)		4605	5305	5491(6)	5244	5367	9383	5812	6130	5971	6227	5429
20	Zonal Check Variety		4512	5891(8)	4869	8213(3)	6541(5)	10047(9)	7831(2)	6263(8)	7047	7186(4)	6022(9)
21	Local Check Variety		5045	6211(6)	3742	5285	4513	6971	6101		6101	5662	5312
Exp. Mean			5138	5490	5146	6285	5715	9206	6795	6174	6483	6512	5883
CD (0.05)			401	910	576	964	489	963	1246	1119	883	401	198
CV (%)			4.74	10.05	6.79	9.3	5.18	6.34	11.11	10.97	8.25	3.73	2.04
F value			23.34	16.86	8.78	21.53	24.73	21.79	5.18	1.87	3.67	26.38	65.18
NHC+CD (0.05)			6081	8258	5738	5223	5200	10574	7900	8199	7750	7087	6617
BVC+CD (0.05)			5446	7121	6067	9177	7030	11010	9077	7382	7930	7587	6220
DOS				6.7.25	18.6.25	6.7.25		30.7.25	17.6.25	27.6.25			
DOP				30.7.25	23.7.25	28.7.25		23.8.25	11.7.25	28.7.25			
Gross Plot Size (Sq. m)				8.91	7.56	11.70		11.65	8.68	10			
Net Plot Size (Sq. m)				6.75	7.56	9.72		10.53	5.80	10			
Zonal Check Variety				MTU 1153	MTU 1153	MTU 1153		MTU 1153	MTU 1153	MTU 1153			
Local Check Variety				MTU 1156	Rasi	MTU 1010		Raksha	CO 55	-			

Appendix-2: Days to 50% Flowering (DFF) of hybrids in IHRT-Early, Kharif 2025

S.No.	IET No.	Name	Zone-1				Zone-2				Zone-3							Zone-4	
			HP-Z1	HR-Z2	UK-Z2	PB-Z2	DL-Z2	Zone-2 (4)	UP-Z3	WB-Z3	OD-Z3	JH-Z3			BR-Z3	Zone-3(6)	Zone-4	AS-Z4	
												RCI	BBS	JH-Z3(2)					
			MLN	KUL	PNT	LDN	IAR		MSD	CHN	CTK				PSPL		TTB		
1	33996	KSRH-1049	122	110	106	112	94	106	65	90	91	89	85	87	86	84	81		
2	33997	Rallis-250001	106	91	88	98	85	90	73	96	92	88	87	87	83	86	91		
3		ADVRI-21-																	
33998	0156		99	87	79	91	80	84	75	87	90	82	83	82	83	83	79		
4		ADVRI-21-																	
33999	0072		103	87	82	92	83	86	70	91	90	87	82	84	86	84	90		
5	34000	AGRH-1604	99	87	83	91	81	86	67	88	89	81	82	82	90	112	82		
6		ADVRI-21-																	
34001	0981		100	87	82	91	82	86	71	90	87	84	82	83	84	112	79		
7	34002	CTVA-25101	97	86	80	91	80	84	66	88	85	82	81	82	82	109	84		
8	34003	KJTRH-2353	112	103	93	106	94	99	76	103	101	89	86	88	81	123	101		
9	34004	TNRH-397	108	99	91	104	93	97	72	92	95	89	90	90	94	120	102		
10	34005	CTVA-25102	106	92	86	97	92	92	75	95	92	89	86	87	95	119	89		
11	34006	IIRRH-187	102	88	82	91	82	86	71	91	91	81	84	82	89	115	84		
12	34007	CTVA-25103	105	92	87	100	87	91	74	94	94	91	85	88	86	119	89		
13	34008	IIRRH-189	102	93	89	95	83	90	72	100	92	87	87	87	87	118	96		
14	34009	CTVA-25104	109	91	91	97	86	91	64	92	98	92	89	90	90	120	95		
15	34010	IIRRH-188	100	86	84	90	81	85	71	91	88	81	84	82	95	114	79		
16	34011	Pusa RH-74	105	88	83	98	82	88	72	91	94	90	85	88	94	119	91		
17	DRRH-6 (OBCH)		106	93	93	105	85	94	77	100	98	87	86	86	83	121	96		
18	US-314 (NCH)		105	99	86	104	83	93	71	95	93	88	83	85	88	117	94		
19	CO-51 (NCV)		97	86	78	88	81	83	75	95	88	81	80	80	85	84	85		
20	Zonal Check Variety		110	99	96	104	93	98	72	95		77	85	81	83	82			
21	Local Check Variety		98	90	78	94	89	88	72	89	90	91	86	88	84	115	83		
Exp. Mean			104	92	86	97	85	90	71	93	91	86	84	85	87	107	88		

Appendix-2(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT-Early, Kharif 2025

S. No.	IET No.	Name	Zone-5										Zone-6 Contd...				
			CG-Z5			MP-Z5			MH-Z5				MH-Z6				
			RPR	VNRS	CG-Z5(2)	JBP	WRS	MP-Z5(2)	SND	SKL	ANKN	MH-Z5(3)	Zone-5	KJT	VDG	RDN	MH-Z6(3)
1	33996	KSRH-1049	93	93	93	102	86	94	90	90	88	90	92	90	86	96	90
2	33997	Rallis-250001	97	83	90	98	86	92	90	88	92	90	91	85	93	98	92
3	33998	ADVRI-21-0156	91	80	85	96	78	87	84	82	91	86	86	80	86	92	86
4	33999	ADVRI-21-0072	91	80	86	92	79	86	83	84	89	85	85	76	88	94	86
5	34000	AGRH-1604	91	80	86	94	79	87	85	82	91	86	86	76	84	90	83
6	34001	ADVRI-21-0981	92	80	86	94	80	87	84	85	90	87	87	80	86	90	85
7	34002	CTVA-25101	94	78	86	94	79	86	84	81	88	84	85	76	87	89	84
8	34003	KJTRH-2353	98	92	95	103	87	95	96	91	97	95	95	87	89	97	91
9	34004	TNRH-397	96	92	94	97	86	92	94	88	95	92	93	83	89	96	89
10	34005	CTVA-25102	95	86	91	96	88	92	91	88	94	91	91	83	94	95	91
11	34006	IIRRH-187	94	84	89	93	82	88	89	83	90	87	88	81	87	93	87
12	34007	CTVA-25103	96	86	91	97	87	92	91	89	93	91	91	82	90	97	90
13	34008	IIRRH-189	96	85	90	98	82	90	93	87	93	91	91	80	88	94	87
14	34009	CTVA-25104	99	87	93	99	87	93	90	90	94	91	92	89	95	101	95
15	34010	IIRRH-188	95	81	88	94	78	86	85	84	87	86	86	79	88	94	87
16	34011	Pusa RH-74	94	84	89	94	87	91	88	88	90	89	89	88	89	95	91
17	DRRH-6 (OBCH)		98	91	95	98	84	91	94	89	94	92	93	83	89	93	88
18	US-314 (NCH)		92	91	92	97	82	90	92	86	94	91	91	82	87	96	88
19	CO-51 (NCV)		91	81	86	95	77	86	85	84	91	87	86	78	86	91	85
20	Zonal Check Variety		98	89	94	93	83	88	91	87	90	89	90	84	87	93	88
21	Local Check Variety		96	88	92	97	83	90	96	89	88	91	91	87	88	96	90
Exp. Mean			94	85	90	96	82	90	89	86	91	89	89	82	88	94	88

Appendix-2(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT -Early, Kharif 2025

S. No.	IET No.	Name	Zone-6					Zone-7					Overall(30)					
			MH Overall(6)	GJ-Z6	DBI	GJ-Z6(2)	Zone-6	AP-Z7	TG-Z7			KA-Z7		TN-Z7				
									IIRR	WGL	TG-Z7(2)			MND	CBT	ADT	TN(2)	Zone-7(6)
1	33996	KSRH-1049	90	87	92	89	90	82	83	82	82	81	85	90	88	84	91	
2	33997	Rallis-250001	91	86	88	87	90	80	94	86	90	96	92	88	90	89	90	
3	33998	ADVRI-21-0156	86	83	96	88	87	67	85	88	86	87	86	87	87	83	85	
4	33999	ADVRI-21-0072	86	82	102	88	87	70	89	84	87	85	88	89	88	84	86	
5	34000	AGRH-1604	85	82	94	86	85	69	87	82	85	84	82	88	85	82	85	
6	34001	ADVRI-21-0981	86	83	102	90	87	74	86	84	85	87	85	86	86	84	85	
7	34002	CTVA-25101	84	83	91	86	85	70	89	83	86	84	84	89	86	83	84	
8	34003	KJTRH-2353	93	91	82	88	90	87	93	90	91	87	91	87	89	89	93	
9	34004	TNRH-397	91	86	86	86	88	83	91	88	90	84	88	85	86	86	91	
10	34005	CTVA-25102	91	86	90	87	89	83	93	86	90	94	94	90	92	90	91	
11	34006	IIRRH-187	87	83	90	86	87	78	85	84	85	85	85	85	85	84	86	
12	34007	CTVA-25103	90	88	106	94	91	83	94	86	90	94	93	87	90	90	91	
13	34008	IIRRH-189	89	85	86	85	87	79	89	83	86	85	88	92	90	86	89	
14	34009	CTVA-25104	93	88	90	88	93	87	95	86	90	98	96	91	94	92	92	
15	34010	IIRRH-188	86	80	86	82	85	77	88	83	86	84	86	102	94	87	86	
16	34011	Pusa RH-74	90	85	86	85	89	82	93	85	89	92	92	89	90	89	89	
17	DRRH-6 (OBCH)		90	86	94	88	88	83	89	86	87	81	87	100	94	88	91	
18	US-314 (NCH)		89	84	98	88	89	79	89	85	87	82	84	100	92	86	90	
19	CO-51 (NCV)		86	83	96	87	86	67	88	84	86	85	84	92	88	83	85	
20	Zonal Check Variety		89	85	101	90	89	78	91	87	89	86	86	97	92	88	87	
21	Local Check Variety		90	87	102	92	91	90	80	87	83	79	87	87	87	84	88	
Exp. Mean			89	84	93	88	88	78	89	85	87	86	87	90	89	86	88	

Appendix-3: Centres not considered for analysis in IHRT -Early, Kharif 2025

S. No.	IET No.	Name	Grain Yield (kg/ha)			Days to 50% Flowering (DFF)		
			UP-Z2 @NGN	TR-Z4 @ARD	GJ-Z6 @NWG	UP-Z2 @NGN	TR-Z4 @ARD	GJ-Z6 @NWG
1	33996	KSRH-1049	5473	4379(5)	4660(5)	96	87	99
2	33997	Rallis-250001	5816(4)	3853(8)	4015(8)	86	87	95
3	33998	ADVRI-21-0156	5741(8)	3590	3530	98	77	96
4	33999	ADVRI-21-0072	5682	1890	3796(9)	91	81	92
5	34000	AGRH-1604	5319	2810	3352	89	78	96
6	34001	ADVRI-21-0981	5569	3105	3390	91	81	92
7	34002	CTVA-25101	5695(10)	3100	2988	89	79	91
8	34003	KJTRH-2353	4881	3737(10)	5299(1)	107	86	104
9	34004	TNRH-397	5911(3)	4432(4)	3174	102	84	100
10	34005	CTVA-25102	5465	3816(9)	2426	97	84	98
11	34006	IIRRH-187	6112(1)	4248(6)	3754(10)	89	82	96
12	34007	CTVA-25103	5795(5)	4816(2)	3246	98	86	100
13	34008	IIRRH-189	5615	4158(7)	5188(3)	94	82	96
14	34009	CTVA-25104	5987(2)	4816(2)	4780(4)	101	89	102
15	34010	IIRRH-188	5645	2648	3024	81	81	92
16	34011	Pusa RH-74	5549	2842	2686	91	80	100
17	DRRH-6 (OBCH)		5636	4984(1)	4246(7)	100	86	102
18	US-314 (NCH)		5715(9)	2916	5232(2)	97	85	100
19	CO-51 (NCV)		5778(7)	3421	3588	83	77	91
20	Zonal Check Variety		5786(6)	2958	4325(6)	99	81	98
21	Local Check Variety		5511	3210	3532	75	85	100
Exp. Mean			5651	3606	3820	93	82	97
CD (0.05)			625	839	1149			
CV (%)			6.7	11.16	14.42			
F value			1.36	8.41	4.64			
NHC+CD (0.05)			6340	3755	6381			
BVC+CD (0.05)			6411	4260	5474			
D/S			24.6.25	26.6.25	12.6.25			
D/P			20.7.25	23.7.25	31.7.25			
Gross Plot Size (Sq. m)			10	10	9.00			
Net Plot Size (Sq. m)			7.99	9.5	6.84			
Zonal Check Variety			PR-124	Luit	Sahbhagidhan			
Local Check Variety			NDR 97	Gowati	GR 24			

@ Data of centres- Nagina (NGN) not included in the analysis due to Non-Significant F value; Arundhatinagar (ARD) and Nawagam (NWG) not included in the analysis due to low experimental mean:

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Appendix- 4: Grain Yield (kg/ha) of hybrids in IHRT-Mid Early, Kharif 2025

SNo.	IE'No.	Name	Zone-2								Zone-3 Contd...
			DL-Z2	HR-Z2	HR-Z2	HR-Z2	PB-Z2	UK-Z2	UP-Z2		BR-Z3
			IAR	KUL	NSL KUK	HR(2)	LDN	PNT	NGN	Zone 2 (6)	PSPL
1	34012	KSRH-1015	7197	5103	7766(10)	6012	5380	4825	4660(6)	5693	6837(2)
2	34013	Rallis-DR-8355	4844	5440	8312(4)	6457	7763(3)	8909(2)	4660(6)	6548(10)	6927(1)
3	34014	TMRH-5513	10008(2)	6503(8)	6224	6476	6937(9)	7081	5244(2)	7041(4)	4636
4	34015	NPH-X-144	7536	6767(6)	8728(2)	7444(2)	7607(4)	7262(9)	3917	6851(7)	4864
5	34016	Rallis-250002	8158	6187	8264(5)	6986(6)	6947(8)	7354(8)	4297	6777(8)	6014(7)
6	34017	TMRH-5535	8534	5080	6264	5512	4563	5318	5553(1)	5854	5173
7	34018	NPH-X-148	8718	5713	8835(1)	6768(8)	6163	5428	4005	6324	5088
8	34019	ADVRH-190553	9303(3)	7333(1)	8044(8)	7665(1)	6192	8648(4)	4439	7288(1)	6569(4)
9	34020	Indam 200-063	6124	5817	6118	5931	6576	6357	4710(5)	5929	4793
10	34021	CTVA-25105	9101(4)	6100	8255(6)	6835(7)	8058(2)	4577	4055	6591(9)	5681
11	34022	KJTRH-2334	6466	6590(7)	6217	6551	4022	6666	3984	5627	2229
12	34023	CTVA-25106	9017(5)	6810(5)	8014(9)	7260(4)	7132(6)	7173(10)	3993	6955(5)	6008(8)
13	34024	KJTRH-2314	1039	4187	5308	4612	4435	8788(3)	4814(3)	4732	1556
14	34025	CTVA-25107	8794(10)	5793	8664(3)	6751(9)	6823(10)	8988(1)	3863	7052(3)	6261(5)
15	34026	XP-410	10226(1)	6387(9)	6772	6501	8086(1)	7082	3755	7062(2)	6727(3)
16	34027	TNTRH-107	1617	3573	7076	4829	1116	1923	4769(4)	3104	2397
17	34028	NDLRH-526	8839(9)	3400	5673	4208		4279	3780	5140	3120
18	34029	IIRRH-190	8962(6)	4200	6766	5038	3015	5890	4635(8)	5496	4181
19	34030	NDLRH-564	5833	3540	5719	4243		4695	4306	4744	2852
20	34031	IIRRH-191	5381	7023(2)	7517	7157(5)	5940	6746	4472(10)	6093	5117
21	34032	VNR-240	8918(7)	6890(3)	8166(7)	7367(3)	6714	7360(7)	3997	6922(6)	5912(9)
22	34033	RRH-1	3990	4213	5018	4571	3927	5551	4355	4475	1984
23	34034	JGLH-497	8882(8)	5633	7072	6166	6334	5909	4443	6346	5697(10)
24	34035	RRH-2	6087	4817	4918	4916	3376	5172	3822	4679	3060
25	34036	NK-4010 (RNC-1367)	6593	4583	6420	5215	4991	7374(6)	4543(9)	5709	4891
26	34037	CRHR-200	2152	6833(4)	6369	6656(10)	7047(7)	6880	4372	5565	3543
27	34038	CHR-846	7345	5780	6966	6195	5565	6425	3884	5931	4400
28	33001	BAYR-4201	7236	4990	6067	5389	6206	6857	4101	5906	6081(6)
29		VNR-2228 (NCH)	7028	4817	7070	5565	5974	8031v(5)	4359	6144	5227
30		Gontra Bidhan-3 (NCV)	5782	3893	5915	4635	3205	5107	3717	4518	3306
31		Zonal Check Variety	7078	3700	6064	4488	5484	6055	4114	5373	2325
32		Local Check Variety	6762	6267(10)	5585	6045	7440(5)	4486	3771	5723	4311
Exp.mean			6986	5436	6880	5951	5767	6350	4293	5881	4618
CD(0.05)			972	553	1268	698	478	611	508	256	826
CV(%)			8.52	6.23	9.04	7.19	5.08	5.89	7.25	2.67	10.96
F val			45.7	35.89	6.8	17.55	99.79	52.26	6.05	111.21	28.61
NHC+ CD(0.05)			8000	5370	8338	6263	6452	8642	4867	6400	6053
BVC+ CD(0.05)			8050	6820	7332	6743	7918	6666	4622	5979	5137
DOS			5.6.25	3.6.25	15.6.25		31.5.25	4.6.25	25.6.25		19.6.25
DOP			3.7.25	5.7.25	-		1.7.25	30.6.25	21.7.25		18.7.25
Gross Plot Size(Sq.m)			10	10	12.6		8.78	10.13	10		-
Net Plot Size(Sq.m)			10	10	10		7.02	10.13	7.99		10
Zonal Check Variety			PR 113	PR 113	PR 113		PR 113	PR 113	PR 113		Lalat
Local Check Variety			IR 64	HKR 47	PR 126		PR 130	Pant Dhan 12	PR 113		Rohini

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Appendix-4 (Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Mid Early, Kharif 2025

SNo.	IET No.	Name	Zone-3 Contd...								
			BR-Z3	BR-Z3	JH-Z3	JH-Z3	JH-Z3	OD-Z3	UP-Z3	UP-Z3	UP-Z3
			DNG	BR (2)	RCI	TPSPL-RCI	JH(2)	CTK	MSD	IASH	VRN
1	34012	KSRH-1015	5016	5926(9)	6233	6775	6504	5718	4464	4391	4643
2	34013	Rallis-DR-8355	6536(5)	6732(1)	5433	7756(8)	6595	4888	7972(4)	7667(6)	6663(10)
3	34014	TMRH-5513	5150	4893	6933(2)	8898(1)	7916(1)	6845(4)	6592(10)	8171(2)	7316(2)
4	34015	NPH-X-144	6028(10)	5446	6367	7448(10)	6907	6530(6)	5924	7120(8)	6777(8)
5	34016	Rallis-250002	5460	5737	5867	7904(5)	6886	5769	6758(8)	6477	6552
6	34017	TMRH-5535	3517	4345	5133	8213(2)	6673	6634(5)	5135	6058	5682
7	34018	NPH-X-148	4303	4696	6500(8)	7343	6921(10)	5543	5678	6425	3395
8	34019	ADVHR-190553	6533(6)	6551(2)	6400(10)	7873(7)	7137(6)	5570	8177(2)	7312(7)	7228(3)
9	34020	Indam 200-063	5753	5273	6467(9)	8198(3)	7332(3)	7338(1)	7889(5)	8433(1)	7220(4)
10	34021	CTVA-25105	6998(1)	6340(4)	6567(7)	7892(6)	7229(4)	4750	5152	7908(5)	7655(1)
11	34022	KJTRH-2334	4060	3144	5733	6812	6273	5224	4777	6235	5636
12	34023	CTVA-25106	5601	5805	5833	5926	5880	6374(7)	5824	7021(10)	5762
13	34024	KJTRH-2314	5167	3362	5133	6361	5747	5362	5517	5124	4456
14	34025	CTVA-25107	6815(2)	6538(3)	6900(5)	7417	7158(5)	5689	6387	7954(4)	6697(9)
15	34026	XP-410	5637	6182(7)	6967(1)	7917(4)	7442(2)	5770	8277(1)	8046(3)	5796
16	34027	TNTRH-107	3245	2821	4600	5108	4854	5867	4339	6066	2730
17	34028	NDLRH-526	5118	4119	4233	7599(9)	5916	5546	4944	4463	3975
18	34029	IIRRH-190	3813	3997	5367	6182	5774	5588	4330	3358	4490
19	34030	NDLRH-564	4187	3520	3767	7336	5552	5922	4372	4275	3975
20	34031	IIRRH-191	6589(4)	5853(10)	5500	7281	6390	5949	6679(9)	5953	6124
21	34032	VNR-240	6599(3)	6256(6)	6933(2)	7306	7120(7)	4498	7054(7)	6439	7117(5)
22	34033	RRH-1	4501	3242	4700	5793	5247	5161	4923	4683	4292
23	34034	JGLH-497	6360(9)	6028(8)	5067	6901	5984	6054(10)	5824	4957	4845
24	34035	RRH-2	4526	3793	3800	5821	4810	4219	5190	4337	4467
25	34036	NK-4010 (RNC-1367)	5421	5156	6767(6)	7182	6974(9)	5437	4919	7062(9)	5532
26	34037	CRHR-200	5750	4646	5800	6951	6375	4910	8018(3)	5291	6525
27	34038	CHR-846	5849	5124	6167	7003	6585	7194(2)	6179	5304	6495
28	33001	BAYR-4201	6444(8)	6262(5)	6067	7198	6632	7148(3)	5540	6388	6873(7)
29		VNR-2228 (NCH)	4190	4709	6933(2)	7244	7089(8)	6149(8)	7593(6)	6047	7026(6)
30		Gontra Bidhan-3 (NCV)	4628	3967	4333	5099	4716	5044	5160	4571	4681
31		Zonal Check Variety	5192	3758	4500	5898	5199	6099(9)	6099	6590	5434
32		Local Check Variety	6515(7)	5413	4533	7086	5810	4430	4577	6692	4532
Exp.mean			5359	4989	5673	7054	6363	5726	5946	6151	5643
CD(0.05)			647	543	893	1019	675	830	696	1550	742
CV(%)			7.4	6.67	9.65	8.85	6.5	8.88	7.17	15.44	8.06
F val			20.51	35.98	9.68	6.23	12.11	7.34	25.34	5.95	24.52
NHC+ CD(0.05)			4837	5252	7826	8263	7764	6979	8289	7597	7768
BVC+ CD(0.05)			7162	5956	5426	8105	6485	6929	6795	8242	6176
DOS			1.7.25		30.6.25	27.6.25		2.6.25	18.6.25	19.6.25	12.6.25
DOP			30.7.25		29.6.25	16.7.25		30.6.25	18.7.25	17.7.25	16.7.25
Gross Plot Size(Sq.m)			11.1		10	12.6		9.6	10	9.9	10
Net Plot Size(Sq.m)			9.45		-	10.8		7.2	7.99	14.4	8.73
Zonal Check Variety			Lalat		Lalat	Lalat		Lalat	Lalat	Lalat	Lalat
Local Check Variety			Sabour Vijay-BRR 2183		BVD 203	TMRV 1628		Naveen	IR 64 sub 1	Indam Shakti	HUR 4-3

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Appendix- 4 (Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Mid Early, Kharif 2025

SNo.	IETNo.	Name	Zone-3 Contd...		UP Overall (5)	Zone-3		Zone-4		
			UP-Z3	UP-Z3		WB-Z3		AS-Z4	TR-Z4	
			TPSPL-BE	UP (4)		CHN	Zone 3 (10)	TTB	ARD	Zone 4 (2)
1	34012	KSRH-1015	7404	5225	5112	6926	5841	6080	3868	5350
2	34013	Rallis-DR-8355	6997	7325(5)	6792(4)	8852(6)	6969(7)	7087(2)	4263	6251(2)
3	34014	TMRH-5513	9202(1)	7820(2)	7305(2)	7037	7078(4)	4823	4447	4634
4	34015	NPH-X-144	7701(9)	6881(10)	6288	9111(3)	6787(8)	6250	4268	5453
5	34016	Rallis-250002	8731(3)	7130(7)	6563(6)	7519	6705(9)	6190	4079	5605
6	34017	TMRH-5535	8991(2)	6466	6284	5111	5965	5357	4490(10)	5068
7	34018	NPH-X-148	6620	5529	5225	6445	5734	5630	4000	5098
8	34019	ADVRH-190553	6929	7411(4)	6817(3)	8889(5)	7148(3)	6833(5)	3868	5771
9	34020	Indam 200-063	8727(4)	8067(1)	7396	8741(8)	7356(1)	6677(9)	4210	5888(8)
10	34021	CTVA-25105	7886(5)	7150(6)	6531(8)	9259(2)	6975(6)	6827(6)	4447	6069(5)
11	34022	KJTRH-2334	7852(7)	6125	5697	6519	5508	5323	3447	4772
12	34023	CTVA-25106	6914	6380	5903	8222(9)	6349	6553(10)	4036	5789(9)
13	34024	KJTRH-2314	7519	5654	5486	4815	5101	5843	4390	5440
14	34025	CTVA-25107	7201	7060(9)	6421(9)	9444(1)	7077(5)	5777	4606(6)	5367
15	34026	XP-410	7606	7432(3)	6696(5)	8926(4)	7167(2)	6940(3)	4452	6144(3)
16	34027	TNTRH-107	6568	4926	4894	4630	4555	5650	3894	5075
17	34028	NDLRH-526	7614	5249	4955	6185	5280	5790	4026	5180
18	34029	IIRRH-190	6670	4712	4697	5370	4935	5303	4552(8)	5086
19	34030	NDLRH-564	7753(8)	5094	4936	7148	5159	5940	4710(4)	5450
20	34031	IIRRH-191	6636	6348	5973	8148(10)	6398	5910	4790(3)	5480
21	34032	VNR-240	6550	6790	6231	7185	6559	6797(7)	4468	5951(7)
22	34033	RRH-1	5909	4952	4832	5296	4724	4750	4842(1)	4759
23	34034	JGLH-497	7002	5657	5414	7593	6030	5940	4474	5371
24	34035	RRH-2	5917	4978	4747	4704	4604	4443	4026	4312
25	34036	NK-4010 (RNC-1367)	7873(6)	6346	5986	7889	6297	6917(4)	4474	6075(4)
26	34037	CRHR-200	7296	6783	6301(10)	6963	6105	5717	4684(5)	5282
27	34038	CHR-846	6975	6238	5767	5074	6064	6343	3710	5450
28	33001	BAYR-4201	7340	6535	6048	7370	6645	6307	4842	5776(10)
29		VNR-2228 (NCH)	7647(10)	7078(8)	6534(7)	8778(7)	6683(10)	8300(1)	3948	6819(1)
30		Gontra Bidhan-3 (NCV)	6071	5121	4840	5963	4886	6797(7)	4590(7)	5992(6)
31		Zonal Check Variety	5739	5966	5595	6296	5417	4243	4537(9)	4379
32		Local Check Variety	7346	5787	5384	5037	5506	4277	3816	4135
Exp.mean			7287	6257	5864	7045	6050	5988	4289	5415
CD(0.05)			1071	541	448	1371	294	753	386	712
CV (%)			9	5.3	4.68	11.93	2.98	7.7	4.41	8.05
F val			5.18	24.1	23.59	9.86	66.62	11.45	7.17	5.73
NHC+ CD(0.05)			8718	7619	6982	10149	6977	9053	4334	7531
BVC+ CD(0.05)			8417	6507	6043	7667	5800	7550	4976	6704
DOS			15.6.25			19.6.25		4.7.25	26.6.25	
DOP			19.7.25			17.7.25		5.8.25	24.7.25	
Gross Plot Size(Sq.m)			12.6			11.34		10	10	
Net Plot Size(Sq.m)			10.8			9		10	9.5	
Zonal Check Variety			Lalat			Lalat				
Local Check Variety			TMRV 1628			Khitish		Chilarai		

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Appendix- 4 (Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Mid Early, Kharif 2025

S. No.	IETNo.	Name	Zone-5								
			CG-Z5	CG-Z5	CG-Z5	MH-Z5	MP-Z5	MP-Z5	MP-Z5	MP-Z5	
			VNR	RPR	CG (2)	SND	NSL STN	WRS	JBP	MP (3)	Zone- 5 (6)
1	34012	KSRH-1015	9625(7)	4861	7243(10)	4845	8081	5611	6007(7)	6345	6416
2	34013	Rallis-DR-8355	9564(9)	6371(1)	7967(5)	5525	9214(3)	5968	5293	6442(8)	6836(5)
3	34014	TMRH-5513	7174	4046	5610	5955(6)	9086(7)	6146(10)	5190	6402(9)	6088
4	34015	NPH-X-144	10164(4)	5644(5)	7904(6)	5695(9)	9380(2)	6266(8)	4667	6377(10)	6803(6)
5	34016	Rallis-250002	9457(10)	6160(3)	7808(7)	5701(8)	8613	5225	4377	5707	6464
6	34017	TMRH-5535	5424	4457	4940	4628	8054	6444(6)	3217	5591	5203
7	34018	NPH-X-148	9393	4306	6849	4779	9574(1)	5165	4533	5886	6062
8	34019	ADVRH-190553	10072(6)	6212(2)	8142(3)	5938(7)	9196(4)	5730	6497(3)	6845(2)	7164(1)
9	34020	Indam 200-063	8688	5185(10)	6936	5428	8724	4173	5553	5697	6142
10	34021	CTVA-25105	10809(3)	5423(7)	8116(4)	6301(4)	9113(6)	5217	6200(4)	6494(7)	7053(4)
11	34022	KJTRH-2334	7879	4481	6180	5361	8734	3920	5217	5520	5746
12	34023	CTVA-25106	9564(8)	5687(4)	7626(8)	5288	7887	7001(1)	4130	6059	6509
13	34024	KJTRH-2314	6900	4372	5636	3855	8070	3567	2913	4375	4752
14	34025	CTVA-25107	10110(5)	4863	7486(9)	6538(2)	9126(5)	6355(7)	6037(5)	6826(3)	7054(3)
15	34026	XP-410	11736(1)	4608	8172(2)	5455	8839(9)	5150	4777	5805	6625(9)
16	34027	TNTRH-107	2519	3608	3063	3821	6413	3523	4640	4587	3925
17	34028	NDLRH-526	5717	4558	5137	6815(1)	7224	6548(4)	4450	5906	5808
18	34029	IIRRH-190	4611	3758	4184	5001	8168	5113	3383	5109	4778
19	34030	NDLRH-564	5501	5277(9)	5389	6371(3)	6701	6217(9)	6020(6)	6198	5961
20	34031	IIRRH-191	8323	5110	6716	5451	8240	6641(3)	6630(2)	7027(1)	6654(8)
21	34032	VNR-240	11368(2)	5418(8)	8393(1)	5526	8626	5061	7490(1)	6776(5)	7157(2)
22	34033	RRH-1	5419	4744	5082	4831	8450	3868	2767	4470	4783
23	34034	JGLH-497	7534	4648	6091	5528(10)	7530	4838	5687(10)	5744	5841
24	34035	RRH-2	5649	4205	4927	4421	8401	4021	2743	4462	4663
25	34036	NK-4010 (RNC-1367)	8975	4203	6589	5291	8920(8)	5671	5710(9)	6365	6300
26	34037	CRHR-200	6989	4524	5756	4995	7785	5552	5650	6135	5794
27	34038	CHR-846	8482	5519(6)	7000	5291	8652	6704(2)	5770(8)	6784(4)	6616(10)
28	33001	BAYR-4201	9214	4698	6956	6108(5)	8765(10)	6484(5)	5507	6645(6)	6672(7)
29		VNR-2228 (NCH)	8977	5091	7034	5205	8651	4296	5227	5598	6075
30		Gontra Bidhan-3 (NCV)	5843	4063	4953	4135	7935	4344	4267	5102	4923
31		Zonal Check Variety	5046	4207	4626	5281	7528	5017	4533	5357	5121
32		Local Check Variety	6775	4508	5641	4843	6954	4504	5570	5501	5427
Exp.mean			7922	4838	6380	5319	8332	5323	5020	5879	5982
CD(0.05)			1776	694	971	976	1504	953	446	649	455
CV (%)			13.73	8.79	9.32	11.24	8.85	10.96	5.45	6.76	4.66
F val			12.43	8.14	15.64	4.32	2.27	8.94	53.99	10.5	27.85
NHC+ CD(0.05)			10753	5785	8005	6181	10155	5249	5673	6247	6530
BVC+ CD(0.05)			8551	5202	6612	6257	9439	5970	6016	6150	5882
DOS			5.6.25	20.6.25		16.6.25	14.6.25	24.6.25	12.6.25		
DOP			26.6.25	27.7.25		12.7.25	-	22.7.25	7.7.25		
Gross Plot Size(Sq.m)				10.99		10	12.6	10	10		
Net Plot Size(Sq.m)			8.64	7.55		7.99	10	8.97	7.99		
Zonal Check Variety			Karjat-7	Karjat-7		Karjat-7	Karjat-7	Karjat-7	Karjat-7		
Local Check Variety			MTU 1010	Indra Maheshwari		PKV Ganesh		JR 81	JK 206		

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Appendix-4 (Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Mid Early, Kharif 2025

SNo.	IETNo.	Name	Zone-6								
			GJ-Z6	GJ-Z6	GJ-Z6	GJ-Z6	MH-Z6	MH-Z6	MH-Z6		
			DBI	VYR	NWG	GJ(3)	RDN	KJT	MH(2)	MH Overall(3)	Zone -6 (5)
1	34012	KSRH-1015	3672	5380	6068	5097	5875	6067	5971	5596	5521
2	34013	Rallis-DR-8355	2524	5370	7398(4)	5087	6413	7843(3)	7128(6)	6594(6)	6078(10)
3	34014	TMRH-5513	2426	5517	5408	4765	6594(9)	7364	6979(8)	6637(5)	5765
4	34015	NPH-X-144	4461	6620(1)	6602	6216(2)	7510(1)	5792	6651	6332	6360(5)
5	34016	Rallis-250002	2985	4190	6598	4501	6260	6256	6258	6072	5347
6	34017	TMRH-5535	4608	4251	5101	4726	5704	5638	5671	5323	5161
7	34018	NPH-X-148	5270(7)	4912	6483	5405	5323	6394	5859	5499	5634
8	34019	ADV RH-190553	4657(10)	6568(2)	4601	5580(8)	6014	7557(8)	6786	6503(9)	6130(9)
9	34020	Indam 200-063	4657	4967	7245(6)	5339	5678	6258	5968	5788	5739
10	34021	CTVA-25105	3701	5945(8)	7954(2)	5728(7)	7402(2)	7510(9)	7456(1)	7071(1)	6585(2)
11	34022	KJTRH-2334	3406	5709(9)	7352(5)	5465(10)	5551	7343	6447	6085	5983
12	34023	CTVA-25106	3333	6211(4)	6326	5501(9)	6853(5)	7826(5)	7340(2)	6656(4)	6329(6)
13	34024	KJTRH-2314	5514(4)	4810	4558	4861	6407	8135(1)	7271(3)	6132	6033
14	34025	CTVA-25107	3431	6300(3)	7960(1)	5880(6)	6628(8)	7837(4)	7232(5)	7001(2)	6634(1)
15	34026	XP-410	5392(5)	5993(7)	5273	6111(3)	6891(4)	6301	6596	6216	6165(8)
16	34027	TNTRH-107	4764(9)	2351	1708	2730	6312	5326	5819	5153	4258
17	34028	NDLRH-526	2426	5616	5670	4931	3782	6881	5331	5826	5063
18	34029	IIRRH-190	3578	4290	5750	4474	5285	5018	5151	5101	4834
19	34030	NDLRH-564	3602	5172	5148	4843	6008	6302	6155	6227	5510
20	34031	IIRRH-191	3456	5145	5880	4941	6267	5338	5802	5685	5284
21	34032	VNR-240	4584	5646(10)	7784(3)	6253(1)	6755(7)	7396(10)	7076(7)	6559(8)	6524(4)
22	34033	RRH-1	6363(3)	3758	3969	4366	4447	5481	4964	4920	4715
23	34034	JGLH-497	6765(1)	3778	3460	4449	6191	7604(6)	6898(10)	6441(10)	5707
24	34035	RRH-2	5318(6)	3691	3170	3964	4497	5391	4944	4770	4499
25	34036	NK-4010 (RNC-1367)	3112	4837	7122(8)	4945	6757(6)	6358	6558	6136	5777
26	34037	CRHR-200	3628	5617	6774(9)	5364	7098(3)	6239	6668	6111	6013
27	34038	CHR-846	2868	5125	5462	4646	5937	5457	5697	5562	5118
28	33001	BAYR-4201	3406	6084(6)	7170(7)	5921(5)	6304	7559(7)	6932(9)	6657(3)	6290(7)
29	VNR-2228 (NCH)		3799	6142(5)	6668(10)	6102(4)	6577(10)	7901(2)	7239(4)	6561(7)	6561(3)
30	Gontra Bidhan-3 (NCV)		5172(8)	4407	3923	4334	5896	5225	5560	5085	4994
31	Zonal Check Variety		2426	4031	4877	3958	5227	5210	5219	5240	4487
32	Local Check Variety		6398(2)	4277	3112	4449	4552	5713	5132	5036	4800
Exp.mean			4116	5085	5705	5029	6031	6516	6274	5955	5622
CD(0.05)			1076	1197	1455	991	1057	853	686	532	518
CV (%)			12.82	14.43	12.51	12.07	10.74	8.02	6.7	5.47	5.64
F val			10.44	5.4	9.63	4.84	5.43	10.9	10.36	11.7	13.79
NHC+ CD(0.05)			4875	7339	8123	7093	7634	8754	7925	7093	7079
BVC+ CD(0.05)			7474	5604	6332	5440	6953	6566	6246	5772	5512
DOS			6.6.25	20.6.25	12.6.25		5.6.25	9.6.25			
DOP			10.7.25	18.7.25	31.7.25		3.7.25	3.7.25			
Gross Plot Size(Sq.m)			12.96	8.55	6.75		7.56	6.93			
Net Plot Size(Sq.m)			10.2	6.48	5.04		5.4	4.83			
Zonal Check Variety			Karjat-7	Karjat-7	Karjat-7		Karjat-7	Karjat-7			
Local Check Variety			GNR 03	GR 24	GNR 3		Phule Radha	Karjat 3			

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Appendix- 4 (Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Mid Early, Kharif 2025

SNo.	IET No.	Name	Zone-7									Overall Mean (35)
			AP-Z7	KA-Z7	TG-Z7	TG-Z7	TG-Z7	TN-Z7	TN-Z7	TN-Z7		
			MTU	MND	IIR	WGL	TG (2)	CBT	ADT	TN (2)	Zone 7 (6)	
1	34012	KSRH-1015	6431	11547(8)	4711	4178	4445	6378	5527(6)	5953	6462	5956
2	34013	Rallis-DR-8355	7021	11728(7)	7685(1)	9778(1)	8731(1)	6795	4615	5705	7937(2)	6889(3)
3	34014	TMRH-5513	7491(3)	11078	6645(7)	3763	5204	8519(5)	5071	6795(8)	7094	6615
4	34015	NPH-X-144	6904	11918	6083(10)	5778	5930	7968	4245	6106	7149(10)	6745(7)
5	34016	Rallis-250002	6465	9218	5603	5185	5394	5684	3846	4765	6000	6309
6	34017	TMRH-5535	5641	10568	4323	3546	3934	10144(1)	4815	7479(3)	6506	5762
7	34018	NPH-X-148	7204	10971	5458	4074	4766	6903	4273	5588	6481	5982
8	34019	ADVHR-190553	6611	11868(6)	7405(2)	7945(7)	7675(2)	8488(6)	6524(2)	7506(2)	8140(1)	7139(1)
9	34020	Indam 200-063	7285(10)	10716	6025	4553	5289	8272(8)	7578(1)	7925(1)	7405(7)	6626(9)
10	34021	CTVA-25105	7298(8)	12107(2)	5645	6420	6032	9074(4)	3476	6275(10)	7336(8)	6888(4)
11	34022	KJTRH-2334	7434(6)	9918	6711(6)	4375	5543	6600	5413(8)	6006	6742	5807
12	34023	CTVA-25106	7224	11177(10)	5662	9437(3)	7550(3)	6960	6097(4)	6528(9)	7759(3)	6691(8)
13	34024	KJTRH-2314	3936	8510	5534	5605	5569	5195	3960	4578	5457	5171
14	34025	CTVA-25107	7647(1)	9177	3672	9625(2)	6648(7)	9110(3)	5299(10)	7205(5)	7422(6)	6978(2)
15	34026	XP-410	7294(9)	12000(3)	5353	5057	5205	6368	4843	5606	6819	6801(6)
16	34027	TNTRH-107	2649	8947	2924	3901	3412	6106	4131	5118	4776	4227
17	34028	NDLRH-526	6938	5827	5857	6756(9)	6306	8158(9)	5641(5)	6900(7)	6530	5545
18	34029	IIRRH-190	6065	11918(4)	4438	3106	3772	5689	5242	5466	6076	5196
19	34030	NDLRH-564	7531(2)	4679	6548(8)	6513	6531(9)	8025(10)	4501	6263	6299	5505
20	34031	IIRRH-191	7464(4)	9877	7237(4)	6336	6786(6)	7485	4729	6107	7188(9)	6341
21	34032	VNR-240	7398(7)	10362	4754	8222v	6488(10)	9347(2)	5299	7323(4)	7564(5)	6862(5)
22	34033	RRH-1	3572	7531	5159	3877	4518	4105	6524(2)	5315	5128	4775
23	34034	JGLH-497	4842	8856	5257	7921	6589(8)	6332	5014	5673	6370	6033
24	34035	RRH-2	3599	6584	3712	3654	3683	6260	3989	5124	4633	4600
25	34036	NK-4010 (RNC-1367)	5688	12255(1)	5471	6687(10)	6079	6394	3704	5049	6700	6187
26	34037	CRHR-200	4382	10255	7268(3)	4232	5750	5802	3647	4725	5931	5872
27	34038	CHR-846	6765	11399(9)	7032(5)	3788	5410	7449	4986	6217	6903	6130
28	33001	BAYR-4201	7448(5)	7654	6357(9)	8563(4)	7460(4)	7109	4188	5649	6887	6473
29		VNR-2228 (NCH)	6888	11004	5484	8553(5)	7018(5)	8452(7)	5356(9)	6904(6)	7623(4)	6625(10)
30		Gontra Bidhan-3 (NCV)	5815	5736	5136	3975	4556	5096	5527(6)	5311	5214	4956
31		Zonal Check Variety	4815	7802	4270	6262	5266	6188	4615	5402	5659	5225
32		Local Check Variety	6438	9613	3590	6627	5109	5803	4929	5366	6167	5497
Exp.mean			6256	9775	5532	5884	5708	7071	4925	5998	6574	6013
CD(0.05)			966	1298	826	1156	579	1048	883	662	396	152
CV(%)			9.46	8.14	9.15	12.03	6.22	9.08	10.99	6.76	3.69	1.55
F val			16.37	20.45	16.86	24.29	37.58	14.4	8.69	14.34	41.8	204.14
NHC+ CD(0.05)			7854	12302	6310	9709	7597	9500	6239	7566	8019	6777
BVC+ CD(0.05)			7404	10911	5962	7783	5845	7236	6410	6064	6563	5649
DOS			6.7.25	30.7.25	20.6.25	27.6.25		17.6.25	30.6.25			
DOP			30.7.25	28.8.25	23.7.25	27.7.25		14.7.25	3.8.25			
Gross Plot Size(Sq.m)			8.91	9.15	7.56	8.51		6.48	12			
Net Plot Size(Sq.m)			6.75	8.01	7.56	6.75		4	12			
Zonal Check Variety			MTU 1010	MTU 1010	MTU 1010	MTU 1010		MTU 1010	MTU 1010			
Local Check Variety			MTU 1121	IR 64	Varadhan	KNH 118		TKM 13				

Appendix- 5: Days to 50% Flowering (DFF) of hybrids in IHRT-Mid Early, Kharif 2025

S. No.	IET No.	Name	Zone-2										Zone-3 Contd...	
			DL-Z2	HR-Z2	HR-Z2	HR-Z2	HR-Z2	HR-Z2	HR-Z2	HR-Z2	HR-Z2	HR-Z2	UP-Z2	BR-Z3
			IAR	KUL	NSL	KUK	HR(2)	LND	PNT	NGN	Zone 2 (6)	PSPL		
1	34012	KSRH-1015	87	100	88		96	104	92	94	95	91		
2	34013	Rallis-DR-8355	95	103	92		100	106	94	103	99	97		
3	34014	TMRH-5513	91	92	86		90	96	90	100	93	90		
4	34015	NPH-X-144	87	98	87		95	98	90	105	95	93		
5	34016	Rallis-250002	93	93	84		90	95	90	92	92	95		
6	34017	TMRH-5535	83	89	83		87	95	89	90	88	89		
7	34018	NPH-X-148	87	92	84		90	94	88	92	90	93		
8	34019	ADVRH-190553	90	102	87		97	107	97	99	98	102		
9	34020	Indam 200-063	89	94	83		90	99	91	97	93	95		
10	34021	CTVA-25105	98	101	92		98	107	105	106	102	96		
11	34022	KJTRH-2334	104	104	96		102	109	99	116	105	101		
12	34023	CTVA-25106	101	99	91		96	105	92	100	98	96		
13	34024	KJTRH-2314	93	109	101		106	114	94	115	105	103		
14	34025	CTVA-25107	100	100	92		98	108	96	109	102	102		
15	34026	XP-410	88	96	90		94	98	90	98	94	92		
16	34027	TNTRH-107	92	99	90		96	99	92	105	97	101		
17	34028	NDLRH-526	121	116	104		112		127	102	115	107		
18	34029	IIRRH-190	84	86	78		83	89	87	82	85	94		
19	34030	NDLRH-564	101	119	102		114		129	111	113	102		
20	34031	IIRRH-191	87	99	90		96	105	92	98	95	95		
21	34032	VNR-240	100	102	92		99	107	97	105	101	94		
22	34033	RRH-1	87	91	87		90	99	88	102	93	97		
23	34034	JGLH-497	97	100	88		96	104	89	93	96	93		
24	34035	RRH-2	86	93	86		91	103	88	94	92	94		
25	34036	NK-4010 (RNC-1367)	88	93	87		91	100	90	106	95	94		
26	34037	CRHR-200	89	103	94		100	109	97	109	101	101		
27	34038	CHR-846	86	94	86		91	95	90	110	94	93		
28	33001	BAYR-4201	102	100	89		97	104	91	99	98	92		
29	VNR-2228 (NCH)		98	102	94		99	107	98	112	102	99		
30	Gontra Bidhan-3 (NCV)		86	92	82		89	101	92	91	91	83		
31	Zonal Check Variety		93	105	96		102	108	100	91	99	94		
32	Local Check Variety		96	99	90		96	106	88	101	97	97		
Exp.mean			93	98	89		96	102	94	100	97	95		

Appendix- 5 (Contd...): Days to 50% Flowering (DFF) of hybrids in IHRT-Mid Early, Kharif 2025

S. No.	IET No.	Name	Zone-3 Contd...										
			BR-Z3	BR-Z3	JH-Z3	JH-Z3	JH-Z3	JH-Z3	OD-Z3	UP-Z3	UP-Z3	UP-Z3	UP-Z3
			DNG	BR (2)	RCI	TPSPL	RCI	JH(2)	CTK	MSD	IASH	VRN	VRN
1	34012	KSRH-1015	88	90	91	87	89	96	98	98	94	88	88
2	34013	Rallis-DR-8355	90	93	100	96	98	98	98	103	102	96	96
3	34014	TMRH-5513	88	89	92	90	91	90	90	101	95	93	93
4	34015	NPH-X-144	90	92	96	92	94	94	94	98	99	95	95
5	34016	Rallis-250002	82	88	92	89	90	90	90	92	97	89	89
6	34017	TMRH-5535	87	88	86	89	88	91	91	92	95	88	88
7	34018	NPH-X-148	89	91	94	88	91	92	92	91	96	88	88
8	34019	ADVRH-190553	90	96	103	98	100	102	102	81	101	101	101
9	34020	Indam 200-063	91	93	92	88	90	95	95	76	97	91	91
10	34021	CTVA-25105	93	95	99	101	100	100	100	104	102	93	93
11	34022	KJTRH-2334	95	98	100	99	99	100	100	97	106	117	117
12	34023	CTVA-25106	92	94	92	90	91	96	96	107	97	96	96
13	34024	KJTRH-2314	97	100	106	104	105	104	104	98	106	101	101
14	34025	CTVA-25107	97	99	95	103	99	100	100	103	102	104	104
15	34026	XP-410	92	92	103	91	97	95	95	99	97	93	93
16	34027	TNTRH-107	97	99	93	90	91	96	96	102	110	100	100
17	34028	NDLRH-526	85	96	108	114	111	106	106	110	127	116	116
18	34029	IIRRH-190	90	92	85	86	86	88	88	102	95	89	89
19	34030	NDLRH-564	109	106	109	111	110	86	86	114	127	116	116
20	34031	IIRRH-191	90	92	94	89	92	93	93	100	101	95	95
21	34032	VNR-240	90	92	101	101	101	98	98	102	100	96	96
22	34033	RRH-1	91	94	94	91	92	95	95	102	100	97	97
23	34034	JGLH-497	88	90	100	90	95	91	91	99	99	91	91
24	34035	RRH-2	92	93	93	91	92	95	95	104	100	96	96
25	34036	NK-4010 (RNC-1367)	90	92	94	90	92	96	96	98	96	95	95
26	34037	CRHR-200	95	98	98	101	100	96	96	103	103	101	101
27	34038	CHR-846	90	91	91	87	89	94	94	97	96	94	94
28	33001	BAYR-4201	91	91	102	98	100	94	94	96	98	92	92
29	VNR-2228 (NCH)		90	94	97	100	98	97	97	103	103	103	103
30	Gontra Bidhan-3 (NCV)		92	88	85	90	88	90	90	91	96	95	95
31	Zonal Check Variety		98	96	91	91	91	89	89	99	113	101	101
32	Local Check Variety		96	96	97	87	92	96	96	91	94	98	98
Exp.mean			91	94	96	94	95	95	95	98	101	97	97

Appendix- 5 (Contd...): Days to 50% Flowering (DFF) of hybrids in IHRT-Mid Early, Kharif 2025

S. No.	IET No.	Name	Zone-3 Contd...				Zone-3				Zone-4	
			UP-Z3		UP-Z3 (4)		UP Overall (S)	CHN	Zone 3 (10)	AS-Z4	TR-Z4	Zone 4 (2)
			TPSPL	BE	UP-Z3	UP-Z3						
1	34012	KSRH-1015	84		91		92	90	91	83	110	92
2	34013	Rallis-DR-8355	88		97		98	99	97	94	105	98
3	34014	TMRH-5513	83		93		94	94	92	82	106	90
4	34015	NPH-X-144	86		94		97	96	94	95	102	97
5	34016	Rallis-250002	85		91		91	92	90	93	103	96
6	34017	TMRH-5535	84		90		90	94	90	81	102	88
7	34018	NPH-X-148	86		90		91	91	91	94	104	98
8	34019	ADVRRH-190553	91		94		95	101	97	96	109	100
9	34020	Indam 200-063	83		87		89	98	90	91	100	94
10	34021	CTVA-25105	94		98		100	100	98	95	96	95
11	34022	KJTRH-2334	93		103		106	104	101	103	102	102
12	34023	CTVA-25106	80		95		96	100	95	94	102	97
13	34024	KJTRH-2314	91		99		102	107	102	100	100	100
14	34025	CTVA-25107	89		99		101	100	99	97	102	99
15	34026	XP-410	86		94		95	97	95	95	98	96
16	34027	TNTRH-107	86		99		100	99	97	95	96	96
17	34028	NDLRH-526	102		114		111	113	109	113	108	111
18	34029	IIRRH-190	83		92		90	89	90	91	94	92
19	34030	NDLRH-564	101		114		114	120	109	110	116	112
20	34031	IIRRH-191	86		96		96	98	94	95	90	93
21	34032	VNR-240	95		98		100	99	98	95	98	96
22	34033	RRH-1	87		97		98	98	95	95	114	101
23	34034	JGLH-497	86		94		93	98	93	94	88	92
24	34035	RRH-2	86		96		96	97	95	96	100	98
25	34036	NK-4010 (RNC-1367)	85		94		96	97	94	90	96	92
26	34037	CRHR-200	89		99		101	100	99	97	101	99
27	34038	CHR-846	87		94		97	96	92	85	104	91
28	33001	BAYR-4201	93		95		96	95	95	94	102	97
29	VNR-2228 (NCH)		89		100		102	97	98	97	106	100
30	Gontra Bidhan-3 (NCV)		86		92		92	91	90	92	96	93
31	Zonal Check Variety		86		100		98	98	96	83	94	86
32	Local Check Variety		87		93		94	93	94	96	92	94
Exp.mean			88		96		97	98	96	94	101	96

Appendix- 5 (Contd...): Days to 50% Flowering (DFF) of hybrids in IHRT-Mid Early, Kharif 2025

			Zone-5									
S. No.	IET No.	Name	CG-Z5			MH-Z5		MP-Z5				
			VNR	RPR	CG (2)	SND	NSL STN	WRS	JBP	MP (3)	Zone 5 (6)	
1	34012	KSRH-1015	87	97	92	90	86	92	97	92	92	92
2	34013	Rallis-DR-8355	94	102	98	92	90	96	103	97	97	96
3	34014	TMRH-5513	84	98	91	92	84	94	99	94	94	92
4	34015	NPH-X-144	86	100	93	94	88	94	100	95	95	94
5	34016	Rallis-250002	84	96	90	104	86	92	97	93	93	94
6	34017	TMRH-5535	80	94	87	97	88	89	92	90	90	90
7	34018	NPH-X-148	84	94	89	91	81	89	95	90	90	90
8	34019	ADV RH-190553	92	102	97	92	88	94	107	97	97	96
9	34020	Indam 200-063	85	99	92	92	88	95	100	95	95	93
10	34021	CTVA-25105	91	103	97	98	89	94	101	96	96	97
11	34022	KJTRH-2334	96	105	100	99	90	99	108	101	101	100
12	34023	CTVA-25106	90	99	94	89	86	91	100	94	94	93
13	34024	KJTRH-2314	102	107	104	105	88	99	111	101	101	103
14	34025	CTVA-25107	91	113	102	99	86	92	105	96	96	98
15	34026	XP-410	90	99	94	97	85	90	100	93	93	94
16	34027	TNTRH-107	89	99	94	102	84	90	102	94	94	95
17	34028	NDLRH-526	116	123	120	114	105	119	128	120	120	118
18	34029	IIRRH-190	79	91	85	82	75	85	92	86	86	85
19	34030	NDLRH-564	117	122	119	95	106	114	126	116	116	114
20	34031	IIRRH-191	87	97	92	94	84	89	98	91	91	92
21	34032	VNR-240	93	104	99	100	87	96	105	97	97	98
22	34033	RRH-1	85	99	92	93	85	89	101	93	93	92
23	34034	JGLH-497	84	97	90	89	81	86	98	90	90	90
24	34035	RRH-2	84	98	91	94	84	88	100	92	92	92
25	34036	NK-4010 (RNC-1367)	84	99	92	92	86	94	101	95	95	93
26	34037	CRHR-200	94	102	98	101	87	96	108	98	98	99
27	34038	CHR-846	82	97	90	97	83	90	100	92	92	92
28	33001	BAYR-4201	89	100	94	93	85	91	100	93	93	93
29	VNR-2228 (NCH)		95	99	97	99	90	94	105	98	98	98
30	Gontra Bidhan-3 (NCV)		82	98	90	94	85	90	98	92	92	91
31	Zonal Check Variety		85	100	92	96	91	93	106	98	98	95
32	Local Check Variety		87	106	96	101	92	84	99	92	92	95
Exp.mean			89	101	95	95	87	93	102	96	96	95

Appendix- 5 (Contd...): Days to 50% Flowering (DFF) of hybrids in IHRT-Mid Early, Kharif 2025

S. No.	IET No.	Name	Zone-6 Contd...										MH Overall(3)	Zone-6
			GJ-Z6					MH-Z6						
			DBI	VYR	NWG	GJ(3)	RDN	KJT	MH-Z6(2)					
1	34012	KSRH-1015	93	89	100	92	95	88	92		91	Zone 6 (5)		
2	34013	Rallis-DR-8355	110	95	106	101	102	92	97		95	99		
3	34014	TMRH-5513	102	86	96	92	97	85	91		91	92		
4	34015	NPH-X-144	86	88	102	91	100	89	94		94	93		
5	34016	Rallis-250002	104	85	98	92	103	86	94		98	94		
6	34017	TMRH-5535	94	84	92	88	95	84	90		92	89		
7	34018	NPH-X-148	99	85	96	91	96	85	90		91	91		
8	34019	ADVRRH-190553	98	96	104	98	103	91	97		96	98		
9	34020	Indam 200-063	98	88	102	94	103	87	95		94	95		
10	34021	CTVA-25105	104	94	106	99	101	92	96		97	98		
11	34022	KJTRH-2334	100	96	111	100	107	93	100		100	100		
12	34023	CTVA-25106	86	94	104	95	103	91	97		94	96		
13	34024	KJTRH-2314	102	100	105	102	107	96	102		103	102		
14	34025	CTVA-25107	104	95	105	99	103	95	99		99	99		
15	34026	XP-410	102	89	102	95	99	85	92		94	94		
16	34027	TNTRH-107	99	87	103	93	96	88	92		95	93		
17	34028	NDLRH-526	96	121	106	112	109	93	101		105	106		
18	34029	IIRRH-190	88	81	94	86	94	81	88		86	87		
19	34030	NDLRH-564	106	117	116	114	96	87	91		93	103		
20	34031	IIRRH-191	98	88	102	94	94	87	90		92	92		
21	34032	VNR-240	89	95	105	96	99	92	96		97	96		
22	34033	RRH-1	122	88	100	98	95	91	93		93	97		
23	34034	JGLH-497	102	86	102	93	95	87	91		90	92		
24	34035	RRH-2	124	88	102	99	98	85	92		92	96		
25	34036	NK-4010 (RNC-1367)	102	95	101	98	100	85	93		93	96		
26	34037	CRHR-200	97	96	110	100	106	94	100		100	100		
27	34038	CHR-846	86	85	96	88	97	88	92		94	90		
28	33001	BAYR-4201	96	95	102	97	101	92	96		95	97		
29	VNR-2228 (NCH)		88	95	104	95	103	81	92		94	94		
30	Gontra Bidhan-3 (NCV)		93	85	95	89	104	87	96		95	93		
31	Zonal Check Variety		102	88	97	93	94	86	90		92	92		
32	Local Check Variety		96	89	96	93	94	95	95		97	94		
Exp.mean			98	91	101	96	99	88	94		95	95		

Appendix- 5 (Contd...): Days to 50% Flowering (DFF) of hybrids in IHRT-Mid Early, Kharif 2025

S. No.	IET No.	Name	Zone-7										Overall Mean (35)	
			AP-Z7	KA-Z7	TG-Z7	TG-Z7	WGL	TG (2)	TN-Z7	ADT	TN (2)	Zone 7 (6)		
			MTU	MND	IIRR									
1	34012	KSRH-1015	84	94	96	92	94	86	98	92	92	92	92	
2	34013	Rallis-DR-8355	88	98	99	98	98	97	95	96	96	96	97	
3	34014	TMRH-5513	81	101	96	92	94	95	95	95	93	93	92	
4	34015	NPH-X-144	85	102	101	93	97	97	93	95	95	95	94	
5	34016	Rallis-250002	83	89	96	87	92	87	93	90	89	92	92	
6	34017	TMRH-5535	82	97	96	85	90	91	91	91	90	90	90	
7	34018	NPH-X-148	83	99	97	88	92	92	96	94	92	92	91	
8	34019	ADVRH-190553	88	104	105	98	101	98	95	96	98	98	97	
9	34020	Indam 200-063	85	104	99	92	95	97	96	96	95	95	93	
10	34021	CTVA-25105	88	99	102	99	100	98	95	97	97	97	98	
11	34022	KJTRH-2334	88	108	103	103	103	98	96	97	99	99	101	
12	34023	CTVA-25106	86	98	98	97	98	94	94	94	94	94	95	
13	34024	KJTRH-2314	92	106	108	104	106	103	97	100	102	102	102	
14	34025	CTVA-25107	88	99	100	97	98	97	95	96	96	96	99	
15	34026	XP-410	82	99	98	93	95	94	96	95	94	94	94	
16	34027	TNTRH-107	85	94	96	93	95	91	94	93	92	92	95	
17	34028	NDLRH-526	107	107	106	112	109	105	95	100	105	105	110	
18	34029	IIRRH-190	69	99	91	86	88	86	94	90	88	88	88	
19	34030	NDLRH-564	106	109	108	105	106	105	90	98	104	104	109	
20	34031	IIRRH-191	84	94	96	92	94	90	93	92	91	91	93	
21	34032	VNR-240	85	107	100	96	98	96	94	95	96	96	98	
22	34033	RRH-1	85	97	96	94	95	92	91	92	92	92	94	
23	34034	JGLH-497	83	93	96	93	94	88	92	90	91	91	93	
24	34035	RRH-2	83	101	96	94	95	91	96	93	93	93	94	
25	34036	NK-4010 (RNC-1367)	88	102	99	93	96	95	95	95	95	95	94	
26	34037	CRHR-200	89	102	101	98	100	98	95	96	97	97	99	
27	34038	CHR-846	80	100	96	93	94	91	93	92	92	92	92	
28	33001	BAYR-4201	86	105	98	95	97	96	92	94	95	95	96	
29	VNR-2228 (NCH)		88	97	98	96	97	95	93	94	95	95	98	
30	Gontra Bidhan-3 (NCV)		83	99	97	92	94	92	93	93	93	93	92	
31	Zonal Check Variety		81	95	94	92	93	88	94	91	91	91	95	
32	Local Check Variety		97	93	106	96	101	103	94	98	98	98	95	
Exp.mean			86	99	99	94	97	94	94	94	95	95	96	

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Appendix-6: Centres not considered for analysis in IHRT-Mid Early, Kharif 2025

SNo.	IETNo.	Name	Grain Yield (kg/ha)			Days to 50% Flowering (DF)		
			BR-Z3	JH-Z3	OD-Z3	BR-Z3	JH-Z3	OD-Z3
			@SBR	@BBS	@CHP	@SBR	@BBS	@CHP
1	34012	KSRH-1015	1259	7273	5668	101	84	94
2	34013	Rallis-DR-8355	2170(8)	8780(1)	5712	102	87	89
3	34014	TMRH-5513	2326(7)	7694	5877	101	81	93
4	34015	NPH-X-144	2127(10)	8226(7)	5677	105	84	94
5	34016	Rallis-250002	2817(3)	8561(3)	6267(10)	99	85	89
6	34017	TMRH-5535	1406	6959	6320(8)	102	81	96
7	34018	NPH-X-148	1445	8723(2)	5998	100	82	92
8	34019	ADVRH-190553	2144(9)	8349(5)	6241	101	91	96
9	34020	Indam 200-063	3012(2)	7283	6111	103	84	95
10	34021	CTVA-25105	2800(4)	7158	6103	98	90	93
11	34022	KJTRH-2334	959	6463	5703	109	99	93
12	34023	CTVA-25106	2726(5)	7674	6207	95	86	87
13	34024	KJTRH-2314	1219	7032	6111	109	104	102
14	34025	CTVA-25107	3116(1)	7432	6016	102	92	93
15	34026	XP-410	2352(6)	7747(10)	6267	99	89	94
16	34027	TNTRH-107	1124	7678	6484(5)	94	84	87
17	34028	NDLRH-526	469	7609	6493(4)	116	83	96
18	34029	IIRRH-190	1480	6125	6268(9)	95	85	88
19	34030	NDLRH-564	825	8168(8)	5920	111	90	87
20	34031	IIRRH-191	1636	7232	6250	100	84	85
21	34032	VNR-240	1558	7249	6345(7)	102	88	85
22	34033	RRH-1	616	6850	6094	102	95	88
23	34034	JGLH-497	1545	5417	6545(3)	96	84	88
24	34035	RRH-2	703	6994	6068	97	85	94
25	34036	NK-4010 (RNC-1367)	2105	8506(4)	6163	99	86	97
26	34037	CRHR-200	1801	8250(6)	6233	99	83	93
27	34038	CHR-846	1536	5736	6641(1)	97	98	94
28	33001	BAYR-4201	1554	6552	6389(6)	103	83	88
29		VNR-2228 (NCH)	1337	6941	6589(2)	101	83	103
30		Gontra Bidhan-3 (NCV)	1042	6044	6259	103	82	95
31		Zonal Check Variety	838	6833	5894	93	82	
32		Local Check Variety	1463	7764(9)		102	85	90
Exp.mean			1672	7353	6158	101	86	92
CD(0.05)			846	445	669			
CV (%)			31	3.7	6.65			
F val			5.84	29.76	1.26			
NHC+ CD(0.05)			2183	7386	7258			
BVC+ CD(0.05)			2309	8209	6928			
DOS			22.7.25	26.6.25	19.7.25			
DOP			8.8.25	30.7.25	18.8.25			
Gross Plot Size(Sq.m)				10	5.2			
Net Plot Size(Sq.m)			7.68	10	3.84			
Zonal Check Variety			Lalat	Lalat	Lalat			
Local Check Variety			S.harhit Dhan	Lalat				

@ Data of centres- Sabour (SBR) not included in the analysis due to low due to low experimental mean and High C.V.; Bayer Bio-sciences(BBS) due to low C.V.and Chiplima(CHP) due to Non-Significant F value.

Appendix- 7: Grain Yield (kg/ha) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-2					Zone-3 Contd....									
			HR-Z2	PB-Z2	JK-Z2	UP-Z2	Zone-2(4)	BR-Z3	PSPL	DGN	BR-Z3	BR(2)	JH-Z3	OD-Z3	UP-Z3 Contd....		
1	34039	PTH-1	KUL	LDN	PNT	NGN											
2	34040	BRI+22022	6640(8)	3259	4051	4105(4)	3933										
3	34041	LG 90461	7610(2)	6148(10)	8947(2)	4001	6434(6)										
4	34042	CTVA-25108	6910(6)	6000	9439(1)	4005	6681(3)										
5	34043	LG 90462	6580(10)	7124(7)	7732(8)	4026(7)	6366(7)										
6	34044	XP-423	7010(4)	7745(1)	8462(3)	3834	6763(2)										
7	34045	TNTRH-202	5913	4976	6518	3867	5318										
8	34046	NDLRH-557	4827		792	3846	3155										
9	31700	PAN-2440	3587			3709	3648										
10	32596	BAYR-4514	6283			4009(10)	4660										
11	34047	SW-3148	7007(5)	7140(6)	7021	4168(3)	6334(8)										
12	34048	Indam 200-064	7580(3)	6173(9)	8393(5)	3934	6520(5)										
13	34049	CRHR-198	5873	4193	8032(7)	4093(5)	5548										
14	34050	BS-348	6337	7160(5)	7614(9)	3926	6259(10)										
15	34051	CRHR-199	5853	6597(8)	7212	4009(9)	5918										
16	34052	NK-7013 (RNE-0839)	7977(1)	7720(2)	8460(4)	4034(6)	7048(1)										
17	34053	IIRRH-192	6897(7)	4951	6568	4781(1)	5799										
18	AZ8433DT (NCH)		5753	5321	7166	4018(8)	5565										
19	NDR-359 (NCV)		4943	2720	8132(6)	3742	4884										
20	Zonal Check Variety		5070	3325	5624	4597(2)	4654										
21	Local Check Variety		6603(9)	7383(4)	7367	3930	6321(9)										
Exp. Mean			6170	5858	6941	4029	5637										
CD (0.05)			753	440	545	327	287										
CV (%)			7.4	4.52	4.75	4.92	3.08										
F value			18.33	114.3	116.51	4.72	120.29										
NHC+CD (0.05)			6506	5761	7711	4345	5852										
BVC+CD (0.05)			7356	7823	8677	4924	6608										
D/S			3.625	30.525	3.625	25.625											
D/P			5.725	30.625	27.625	21.725											
Gross Plot Size (Sq. m)			10	9.95	10.13	10											
Net Plot Size (Sq. m)			10	8.1	10.13	7.99											
Zonal Check Variety			PR-121	PR-121	PR-121	PR-121											
Local Check Variety			HKR 128	PR 131	Pant Dhan 4	PR 113											
			</														

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Appendix- 7(Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-3				Zone-3		Zone-4			Zone- 5 Contd...			
			UP-Z3		UP_Overall(4)	Zone-Z3	WB-Z3	AS-Z4	TR-Z4	Zone-4(2)	CG-Z5				
			VRN	IASH							UP_Z3(3)	CHN	Zone-3(8)	TTB	ARD
1	34039	PTH-1	2948	2735	3380	3561	6259	4480	6080(10)	3922	5367	3351	5088	4219	
2	34040	BRI-22022	4277	7311(9)	6281	5711		5918	7087(2)	5553(3)	6681(1)	9734(1)	5182(10)	7458(4)	
3	34041	LG 90461	4956	7399(7)	6560(8)	5921(8)	9259(1)	6927(4)	4823	5874(1)	5110	8700(8)	5160	6930(9)	
4	34042	CTVA-25108	5250	7661(2)	6445(9)	5827(9)	8704(6)	7051(3)	6250(8)	4032	5374	9521(2)	5751(4)	7636(1)	
5	34043	LG 90462	5804(8)	6844	6323	5749(10)	8481(9)	6691(7)	5290	4606(10)	5074	9377(4)	4826	7102(6)	
6	34044	XP-423	7579(2)	7595(3)	7173(2)	6338(2)	9074(3)	7154(2)	5567	4558	5253	9001(7)	4985	6993(8)	
7	34045	TNTRH-202	4258	4741	4615	4428	6741	5095	6967(3)	3553	5799(5)	6795	4855	5825	
8	34046	NDLRH-557	5261	4117	4581	4397	6259	4952	8300(1)	3316	6608(2)	4625	5706(5)	5166	
9	31700	PAN-2440	5628(9)	7065	6317	5665	8630(7)	6492	6827(5)	4395	6052(4)	9248(5)	4859	7053(7)	
10	32596	BAYR-4514	8946(1)	7261(10)	6871(4)	6155(4)	7926(10)	6903(5)	5323	5394(4)	5422(10)	8454(9)	6741(1)	7598(3)	
11	34047	SW-3148	7385(3)	7522(6)	7448(1)	6628(1)	7370	6762(6)	4277	5674(2)	4754	9097(6)	6146(2)	7622(2)	
12	34048	Indam 200-064	4158	8017(1)	5887	5399	8482(8)	6651(9)	6220(9)	4632(9)	5654(6)	9479(3)	5269(9)	7374(5)	
13	34049	CRHR-198	7209(4)	6287	6675(5)	6029(5)	5917	5917	5743	3764	5070	7228	4939	6083	
14	34050	BS-348	5029	7326(8)	6631(7)	5955(7)	8963(5)	6650(10)	6940(4)	5263(6)	6414(3)	6425	5654(6)	6040	
15	34051	CRHR-199	5395(10)	5359	5878	5411	6852	5825	5250	4106	4778	6440	4855	5648	
16	34052	NK-7013 (RNE-0839)	6445(6)	7589(4)	7074(3)	6314(3)	9074(3)	7478(1)	4970	5052(7)	5086	7691	5152	6422	
17	34053	IIRRH-192	4093	3209	4421	4511	5593	5622	4243	5026(8)	4542	5343	5755(3)	5549	
18	AZ8433DT (NCH)		7110(5)	7556(5)	6655(6)	5995(6)	9185(2)	6682(8)	5790	5368(5)	5628(7)	8200(10)	5504(8)	6852(10)	
19	NDR-359 (NCV)		6044(7)	6495	6355(10)	5702	7704	6070	6677(6)	2921	5459(9)	6900	5016	5958	
20	Zonal Check Variety		4154	5444	4785	4738	6148	5018	6407(7)	3474	5511(8)	4816	4980	4898	
21	Local Check Variety		4944	6606	5746	5292	6037	5663	5410	2632	4504	6481	5524(7)	6002	
Exp. Mean			5565	6388	6005	5511	7723	6191	5926	4434	5435	7472	5331	6401	
CD (0.05)			674	819	430	332	1792	396	736	478	897	1491	517	1018	
CV (%)			7.34	7.77	4.34	3.65	14.01	3.88	7.52	5.16	10	12.09	5.88	9.64	
F value			38.27	28.81	49.68	44.54	4.08	35.52	15.3	33.65	3.85	13.88	7.47	7.5	
NHC+CD (0.05)			7784	8375	7085	6327	10977	7078	6526	5846	6525	9691	6021	7870	
BVC+CD (0.05)			6718	7425	6785	6034	9496	6466	7413	3952	6408	8391	6041	7020	
D/S			18.6.25	15.6.25			16.6.25		4.7.25	28.6.25		5.6.25	20.6.25		
D/P			11.7.25	12.7.25			11.7.25		5.8.25	27.7.25		27.6.25	15.7.25		
Gross Plot Size (Sq. m)			10	-			11.34		10	10			10.99		
Net Plot Size (Sq. m)			8.73	14.4			9		10	9.5		6.73	7.55		
Zonal Check Variety			CR Dhan-300	CR Dhan-300			CR Dhan-300		CR Dhan-300	CR Dhan-300		IR-64	IR-64		
Local Check Variety			HUR 105	Indam Laxmi			Kaushalya		TTB 404	Gowati		Mahamaya	Durgeshwari		

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Appendix- 7(Cond...): Grain Yield (kg/ha) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-5					Zone-6 Contd...				
			MH-Z5			MP-Z5		GJ-Z6				
			SND	ANKN	MH Z5(2)	JBP	WRS	MP(2)	Zone-5 (6)	NVS	NWG	DBI
1	34039	PTH-1	3621	4377	3999	2073	3629	2851	3690	4168	3086	6284(1)
2	34040	BRI-22022	6007(9)	5938(7)	5973(5)	5140	6929(7)	6034(10)	6488(6)	4097	4768	4166
3	34041	LG 90461	6251(5)	6562(2)	6406(4)	5660(5)	6083	5871	6403(8)	4834(10)	5326	3824
4	34042	CTVA-25108	6353(4)	6844(1)	6598(2)	5237(10)	7079(5)	6158(6)	6797(3)	5655(1)	5734	4362(8)
5	34043	LG 90462	4634	6254(5)	5444(9)	6480(3)	6135	6307(5)	6284(9)	5469(3)	7468(8)	4608(7)
6	34044	XP-423	6821(2)	4795	5808(7)	7210(2)	7049(6)	7129(2)	6643(5)	5017(8)	8190(2)	4265(10)
7	34045	TNTRH-202	4864	4757	4811	3883	8330(2)	6106(7)	5581	4120	5180	4314(9)
8	34046	NDLRH-557	4535	4317	4426	3490	4655	4073	4555	4010	4020	2990
9	31700	PAN-2440	5101	4781	4941	4900	6315	5607	5867	5201(6)	4626	4853(6)
10	32596	BAYR-4514	6959(1)	6360(4)	6659(1)	5290(9)	7685(3)	6488(4)	6915(1)	5531(2)	8057(5)	3088
11	34047	SW-3148	6134(8)	4564	5349	5033	6221	5627	6199(10)	5384(5)	7913(7)	3284
12	34048	Indam 200-064	6194(6)	5614(8)	5904(6)	5367(8)	6704(8)	6036(9)	6438(7)	5393(4)	8214(1)	5392(2)
13	34049	CRHR-198	5281	4723	5002	5007	6547(10)	5777	5621	4337	4880	3774
14	34050	BS-348	6137(7)	4577	5357(10)	5483(7)	6622(9)	6053(8)	5816	4032	7146(9)	3774
15	34051	CRHR-199	4978	4451	4714	4687	5599	5143	5168	4244	4816	3098
16	34052	NK-7013 (RNE-0839)	6760(3)	6407(3)	6583(3)	6270(4)	7636(4)	6953(3)	6653(4)	4840(9)	7933(6)	4951(5)
17	34053	IIRRH-192	5466(10)	5023	5244	5653(6)	5970	5812	5535	4001	8100(3)	5000(4)
18	AZ8433DT (NCH)		5185	6114(6)	5649(8)	8073(1)	8393(1)	8233(1)	6911(2)	4484	8074(4)	3970
19	NDR-359 (NCV)		5291	5387(10)	5339	4433	4888	4661	5319	4146	4504	3578
20	Zonal Check Variety		4484	5435(9)	4960	3583	5202	4393	4750	5116(7)	5384	2843
21	Local Check Variety		5351	4730	5040	4540	6300	5420	5488	4512	5962(10)	5162(3)
Exp. Mean			5543	5334	5439	5119	6380	5749	5863	4695	6161	4171
CD (0.05)			1082	511	628	503	748	420	439	937	1309	505
CV (%)			11.83	5.8	6.99	5.95	7.11	4.43	4.54	12.1	10.19	5.81
F value			5.43	21.24	11.06	54.95	20.2	59.5	30.67	3.17	14.02	27.38
NHC+CD (0.05)			6267	6625	6277	8576	9141	8653	7350	5421	9383	4475
BVC+CD (0.05)			6433	5946	5967	5043	7048	5840	5927	6053	7271	5667
D/S			16.6.25	28.6.25		12.6.25	24.6.25			18.6.25	12.6.25	5.6.25
D/P			11.7.25	25.7.25		7.7.25	16.7.25			13.7.25	31.7.25	11.7.25
Gross Plot Size (Sq. m)			10	9.36		10	10			14.15	9.9	12.96
Net Plot Size (Sq. m)			7.99	7.6		7.99	8.9			11.81	7.7	10.2
Zonal Check Variety			IR-64	IR-64		IR-64	IR-64			Akshayadhan	Akshayadhan	Akshayadhan
Local Check Variety			SYE 2001	Ankur Padma		Kranti	JR 10			GR 25	GR 25	GAR 25

Appendix- 7(Cond...): Grain Yield (kg/ha) of hybrids in IHRT-Medium, Kharif 2025

S.No.	IET No.	Name	Zone-6					Zone-6	Zone-7 Contd...				
			MH-Z6						MH_Overall (5)	Zone-6(6)	KA-Z7		
			PDG	KJT	SHR	MH_Z6(3)	AP-Z7				MTU	MND	BRM
1	34039	PTH-1	3505	5298	3998	4267	4160	4314	4499	9533	5251(9)	6804	7392(10)
2	34040	BRI-22022	7303(3)	5210	5612(7)	6042	6014(8)	5313	7214(5)	8688	4919	5382(4)	8321(2)
3	34041	LG 90461	6902(10)	7913(2)	5511(8)	6775(2)	6628(1)	5885(6)	4325	11260(5)	5382(4)	7701(5)	7239
4	34042	CTVA-25108	5708	6559(6)	6373(1)	6213(7)	6367(3)	5853(7)	7468(2)	10560(7)	4841	8032(4)	7458(9)
5	34043	LG 90462	7059(8)	7202(4)	4335	6199(8)	5897(9)	6010(5)	7524(1)	9620	4857	5510	6288
6	34044	XP-423	7022(9)	6465(8)	5769(6)	6419(6)	6174(6)	6055(4)	7198(7)	11364(3)	4700	7376	6967
7	34045	TNTRH-202	4935	5674	3308	4639	4708	4541	5765	11568(2)	3347	7514(8)	7083
8	34046	NDLRH-557	4022	5753	6177(4)	5317	4961	4670	5248	5651	5369(6)	7222	6694
9	31700	PAN-2440	7251(4)	7975(1)	5330(10)	6852(1)	6088(7)	6060(3)	7374(4)	8941	3635	8410(1)	7631(6)
10	32596	BAYR-4514	7233(5)	6211	4750	6065(10)	6302(4)	5846(8)	7168(8)	10805(6)	3946	8040(3)	7524(7)
11	34047	SW-3148	7403(1)	6470(7)	4256	6043	5766	5845(9)	7388(3)	8552	5382(4)	7306	6703
12	34048	Indam 200-064	6797	7545(3)	5322	6555(3)	6295(5)	6387(1)	5115	9715(10)	5313(7)	7296	816
13	34049	CRHR-198	6623	6383(10)	6287(2)	6431(5)	5859(10)	5544	5115	9422	4744	677	5.61
14	34050	BS-348	7191(6)	5926	5064	6060	5779	5493	7198(6)	8921	5524(1)	8856	8340
15	34051	CRHR-199	6723	6747(5)	4852	6107(9)	5550	5279	5645	8106	5281(8)	677	5.61
16	34052	NK-7013 (RNE-0839)	7103(7)	6452(9)	6044(5)	6533(4)	6553(2)	6168(2)	6898(9)	11324(4)	5496(2)	8856	8340
17	34053	IIRRH-192	4983	5881	6279(3)	5714	5526	5562	6131	10112(8)	5150(10)	816	6.77
18	AZ8433DT (NCH)		7349(2)	5577	4421	5782	5729	5602(10)	6781(10)	11840(1)	4240	677	5.61
19	NDR-359 (NCV)		5141	6263	3786	5063	5174	4680	6218	9649	5400(3)	7306	6703
20	Zonal Check Variety		5540	5740	5401(9)	5561	5320	5142	6101	10042(9)	4569	7296	816
21	Local Check Variety		5710	5638	4013	5121	5088	5051	6265	8529	4877	7296	816
Exp. Mean			6262	6328	5090	5893	5711	5491	6316	9724	4868	7296	816
CD (0.05)			562	940	855	416	388	492	965	1297	755	7296	816
CV (%)			5.44	9	10.17	4.28	4.12	5.44	9.25	8.08	9.39	677	5.61
F value			35.86	5.82	9.4	22.3	21.85	11.36	9.15	10.22	5.52	8856	8340
NHC+CD (0.05)			7911	6517	5276	6198	6117	6094	7746	13137	4995	8856	8340
BVC+CD (0.05)			6272	7203	6256	5977	5708	5634	7230	11339	6155	8340	
D/S			10.6.25	9.6.25	9.6.25				6.7.25	24.7.25	9.6.25		
D/P			5.7.25	2.7.25	30.6.25				30.7.25	20.8.25	17.7.25		
Gross Plot Size (Sq. m)			10.26	7.83	6.19				8.91	10.26	10.08		
Net Plot Size (Sq. m)			7.65	5.63	4.25				6.75	9.40	7.92		
Zonal Check Variety		Akshayadhan	Akshayadhan	Akshayadhan	Akshayadhan				Jaya	Jaya	Jaya		
Local Check Variety		Karijat 9	Karijat 5	Ratnagiri 4					MTU 1239	Thanu	BMR-MS-1-2-1		

Appendix- 7(Cond...): Grain Yield (kg/ha) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-7					Overall Mean (32)
			IIRR	TG-Z7 WGL	TG Z7(2)	TN-Z7 CBT	Zone 7(6)	
1	34039	PTH-1	4053	4804	4428	4961	5517	4476
2	34040	BRI-22022	6819(10)	7511	7165(8)	5759	6818(10)	6205
3	34041	LG 90461	7358(7)	8308(4)	7833(4)	6098(10)	7122(6)	6564(5)
4	34042	CTVA-25108	7815(5)	8663(2)	8239(2)	7241(5)	7765(3)	6786(3)
5	34043	LG 90462	6046	8063(8)	7054(9)	5501	6935(9)	6414(8)
6	34044	XP-423	8235(1)	7807(9)	8021(3)	7807(2)	7852(1)	6855(2)
7	34045	TNTRH-202	7616(6)	5618	6617	5165	6513	5433
8	34046	NDLRH-557	4939	5626	5282	5824	5443	4815
9	31700	PAN-2440	5467	8433(3)	6950	4665	6419	6034
10	32596	BAYR-4514	7970(3)	8934(1)	8452(1)	7868(1)	7782(2)	6585(4)
11	34047	SW-3148	7938(4)	6033	6986(10)	6878(6)	7028(8)	6386(9)
12	34048	Indam 200-064	7997(2)	5704	6850	6750(7)	6766	6516(6)
13	34049	CRHR-198	6328	6896	6612	4773	6213	5743
14	34050	BS-348	6985(9)	7726(10)	7355(7)	6066	7070(7)	6309(10)
15	34051	CRHR-199	5890	4596	5243	6013	5922	5577
16	34052	NK-7013 (RNE-0839)	7344(8)	8152(5)	7748(5)	7257(4)	7745(4)	6963(1)
17	34053	IIRRH-192	5677	5333	5505	5687	6348	5708
18	AZ8433DT (NCH)		6802	8070(7)	7436(6)	6613(8)	7391(5)	6478(7)
19	NDR-359 (NCV)		6443	5404	5923	6519(9)	6605	5585
20	Zonal Check Variety		6124	5170	5647	4729	6122	5166
21	Local Check Variety		5168	8134(6)	6651	7545(3)	6753	5760
Exp. Mean			6620	6904	6762	6177	6768	6017
CD (0.05)			1531	1117	992	1113	529	166
CV (%)			14.01	9.81	8.89	10.92	4.73	1.68
F value			4.66	13.77	9.73	6.83	14.61	135.53
NHC+CD (0.05)			8333	9187	8428	7726	7920	6644
BVC+CD (0.05)			7974	9251	7643	8658	7282	5926
D/S			18.6.25	17.6.25		17.6.25		
D/P			23.7.25	16.7.25		11.7.25		
Gross Plot Size (Sq. m)			7.56	12.48		8.68		
Net Plot Size (Sq. m)				9		5.8		
Zonal Check Variety			Jaya	Jaya		Jaya		
Local Check Variety			DRR Dhan-38	WGL 14		CO 56		

Appendix-8: Days to 50% Flowering (DFF) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-2						Zone-3 Contd...						
			HR-Z2	PB-Z2	UK-Z2	UP-Z2	Zone-2(4)		BR-Z3			JH-Z3		OD-Z3	UP-Z3 Contd...
			KUL	LDN	PNT	NGN	Zone-2(4)	PSPPL	DGN	BR(2)	RCI	CTK	MSD		
1	34039	PTH-1	103	108	100	109	105	102	95	98	100	104	104	105	
2	34040	BRI-22022	102	107	97	105	103	95	92	94	99	102	102	103	
3	34041	LG 90461	105	108	99	106	104	95	92	94	98	102	102	103	
4	34042	CTVA-25108	102	108	96	110	104	98	91	94	96	104	104	93	
5	34043	LG 90462	106	109	98	111	106	92	91	92	98	104	104	99	
6	34044	XP-423	106	110	99	112	107	101	97	99	102	104	104	96	
7	34045	TNTRH-202	103	108	92	99	100	115	90	102	96	101	101	109	
8	34046	NDLRH-557	109		125	113	116	98	111	104	104	92	108	108	
9	31700	PAN-2440	127		128	115	123	116	97	106	103	108	108	106	
10	32596	BAYR-4514	123		119	120	121	105	107	106	104	108	108	113	
11	34047	SW-3148	109	110	102	115	109	103	97	100	102	105	105	116	
12	34048	Indam 200-064	98	104	94	102	100	97	96	96	98	101	101	97	
13	34049	CRHR-198	105	109	98	109	105	94	101	97	99	105	105	100	
14	34050	BS-348	105	109	100	111	106	99	99	99	101	105	105	104	
15	34051	CRHR-199	108	105	98	106	104	101	91	96	101	104	104	106	
16	34052	NK-7013 (RNE-0839)	106	111	98	112	107	108	99	104	103	104	104	91	
17	34053	IIRRH-192	103	108	96	101	102	100	95	98	87	100	100	92	
18	AZ8433DT (NCH)		107	109	101	116	109	102	102	102	100	105	105	107	
19	NDR-359 (NCV)		105	109	98	106	104	98	98	98	98	105	105	115	
20	Zonal Check Variety		104	107	100	103	104	105	111	108	110	112	112	110	
21	Local Check Variety		100	109	94	102	101	109	108	108	104	104	104	104	
Exp. Mean			106	108	101	108	107	101	98	100	100	103	103	103	

Appendix-8(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-3			Zone-3		Zone-4		Zone- 5 Contd...				
			UP-Z3			UP Overall (4)	WB-Z3	Zone-3(8)	AS-Z4	TR-Z4	CG-Z5			
			VRN	IASH	UP_Z3(3)						VNRS	RPR	CG(2)	
1	34039	PTH-1	98	106	103	104	107	102	103	98	96	97		
2	34040	BRI-22022	92	97	97	99		97	104	96	97	105	101	
3	34041	LG 90461	90	100	98	100	103	98	96	94	97	105	101	
4	34042	CTVA-25108	93	100	95	99	101	97	96	91	94	95	106	100
5	34043	LG 90462	91	99	97	100	98	97	102	96	100	97	108	102
6	34044	XP-423	93	101	97	101	102	100	108	99	105	97	108	102
7	34045	TNTRH-202	88	97	98	98	98	99	101	96	99	94	105	100
8	34046	NDLRH-557	101	116	108	109	125	107	114	94	107	111	117	114
9	31700	PAN-2440	99	114	106	109	107	106	96	98	97	110	104	107
10	32596	BAYR-4514	105	116	111	113	115	109	117	96	110	109	119	114
11	34047	SW-3148	99	105	106	109	103	104	106	92	102	98	109	104
12	34048	Indam 200-064	91	99	96	97	99	97	102	89	98	91	106	99
13	34049	CRHR-198	92	100	97	100		99	104	94	100	96	109	103
14	34050	BS-348	96	102	100	103	105	101	105	94	101	99	108	104
15	34051	CRHR-199	94	103	101	102	102	100	104	95	101	99	109	104
16	34052	NK-7013 (RNE-0839)	94	100	95	99	104	100	106	96	102	98	106	102
17	34053	IIRRH-192	89	97	93	95	98	95	104	94	101	92	99	96
18	AZ8433DT (NCH)		98	101	102	105	103	102	106	95	102	99	111	105
19	NDR-359 (NCV)		88	99	101	102	99	100	96	102	98	95	107	101
20	Zonal Check Variety		85	117	104	104	127	110	119	92	110	88	100	94
21	Local Check Variety		103	117	108	107	109	107	109	91	103	86	99	92
Exp. Mean			94	104	101	103	105	101	104	94	101	97	106	102

Appendix-8(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT -Medium, Kharif 2025

S. No.	IET No.	Name	Zone-5										Zone-6 Contd...			
			MH-Z5			MP-Z5			GJ-Z6							
			SND	ANKN	MH Z5(2)	JBP	WRS	MP(2)	Zone-5 (6)	NVS	NWG	DBI	GJ(3)			
1	34039	PTH-1	91	104	98	112	98	105	100	93	106	104	98			
2	34040	BRI-22022	93	97	95	104	94	99	98	92	106	103	98			
3	34041	LG 90461	97	102	100	104	93	98	100	94	104	106	99			
4	34042	CTVA-25108	97	104	101	106	93	100	100	93	106	114	101			
5	34043	LG 90462	94	103	98	106	90	98	100	94	108	101	99			
6	34044	XP-423	94	103	99	107	93	100	100	93	110	104	99			
7	34045	TNTRH-202	91	102	97	106	86	96	97	89	104	112	97			
8	34046	NDLRH-557	112	108	110	113	101	107	111	101	114	100	104			
9	31700	PAN-2440	96	97	96	113	98	106	103	102	110	98	103			
10	32596	BAYR-4514	96	111	103	116	100	108	108	106	106	108	107			
11	34047	SW-3148	96	105	100	109	96	103	102	97	106	108	102			
12	34048	Indam 200-064	106	101	103	108	93	101	101	94	104	110	100			
13	34049	CRHR-198	104	105	104	111	90	101	103	94	106	112	101			
14	34050	BS-348	96	105	101	110	95	102	102	94	112	101	100			
15	34051	CRHR-199	92	99	96	112	91	102	100	93	107	104	99			
16	34052	NK-7013 (RNE-0839)	94	102	98	110	94	102	101	100	110	118	107			
17	34053	IIRRH-192	93	95	94	104	84	94	95	93	101	108	98			
18	AZ8433DT (NCH)		99	106	102	111	95	103	104	95	113	108	102			
19	NDR-359 (NCV)		97	105	101	109	92	100	101	97	96	101	98			
20	Zonal Check Variety		88	95	92	98	83	91	92	95	110	102	100			
21	Local Check Variety		94	96	95	110	89	100	96	97	114	108	103			
Exp. Mean			96	102	99	108	92	101	101	95	107	106	101			

Appendix-8(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT -Medium, Kharif 2025

S. No.	IET No.	Name	Zone-6					Zone-6	Zone-7 Contd...			
			MH-Z6						AP-Z7	KA-Z7		
			PDG	KJT	SHG	MH_Z6(3)	MH_Overall (5)			Zone-6(6)	MTU	MND
1	34039	PTH-1	98	99	100	99	99	99	95	102	88	95
2	34040	BRI-22022	95	94	98	96	95	97	88	85	80	82
3	34041	LG 90461	99	96	104	100	100	100	87	97	91	94
4	34042	CTVA-25108	95	93	96	95	97	98	88	96	91	94
5	34043	LG 90462	95	94	98	96	97	97	87	92	83	87
6	34044	XP-423	94	97	98	96	97	98	89	96	92	94
7	34045	TNTRH-202	93	92	85	90	93	94	86	91	95	93
8	34046	NDLRH-557	94	102	106	101	105	102	103	93	104	98
9	31700	PAN-2440	103	82	107	97	97	100	88	77	109	93
10	32596	BAYR-4514	100	103	105	103	103	104	96	86	91	89
11	34047	SW-3148	99	101	105	102	101	102	93	87	82	84
12	34048	Indam 200-064	99	94	97	97	99	98	89	93	90	92
13	34049	CRHR-198	99	96	98	97	100	99	88	86	101	94
14	34050	BS-348	99	100	105	101	101	101	94	89	96	92
15	34051	CRHR-199	99	100	97	98	97	99	90	81	81	81
16	34052	NK-7013 (RNE-0839)	99	101	106	102	101	105	93	88	88	88
17	34053	IIRRH-192	87	90	83	87	90	92	82	67	84	76
18	AZ8433DT (NCH)		98	102	100	100	101	101	94	75	90	82
19	NDR-359 (NCV)		95	94	93	94	97	96	87	95	100	97
20	Zonal Check Variety		98	100	105	101	97	101	85	102	80	91
21	Local Check Variety		105	101	105	104	100	104	108	78	92	85
Exp. Mean			97	96	99	98	98	99	90	88	90	90

Appendix-8(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT-Medium, Kharif 2025

S. No.	IET No.	Name	Zone-7					Overall Mean (32)
			TG-Z7		TG Z7(2)	TN-Z7	Zone-7(6)	
			IHR	WGL				
1	34039	PTH-1	110	95	103	97	98	101
2	34040	BRI-22022	105	94	100	96	91	97
3	34041	LG 90461	107	94	100	97	95	99
4	34042	CTVA-25108	104	94	99	95	95	98
5	34043	LG 90462	104	94	99	95	92	98
6	34044	XP-423	111	97	104	97	97	100
7	34045	TNTRH-202	104	94	99	97	94	97
8	34046	NDLRH-557	105	96	100	96	100	106
9	31700	PAN-2440	103	98	101	90	94	103
10	32596	BAYR-4514	114	106	110	97	98	107
11	34047	SW-3148	109	99	104	103	95	102
12	34048	Indam 200-064	109	96	103	99	96	98
13	34049	CRHR-198	106	97	102	106	97	100
14	34050	BS-348	108	97	102	98	97	101
15	34051	CRHR-199	107	96	102	97	92	99
16	34052	NK-7013 (RNE-0839)	112	97	104	103	97	101
17	34053	IIRRH-192	94	93	94	90	85	94
18	AZ8433DT (NCH)		107	94	100	98	93	101
19	NDR-359 (NCV)		105	94	100	97	96	99
20	Zonal Check Variety		105	94	99	102	95	101
21	Local Check Variety		106	104	105	105	99	102
Exp. Mean			106	96	101	97	95	100

Appendix-9: Centres not considered for analysis in IHRT -Medium, Kharif 2025

S. No.	IET No.	Name	Grain Yield (kg/ha)			Days to 50% Flowering (DFF)			
			JH-Z3 @BBS	BR-Z3 @SBR	PY-Z7 @KRK	JH-Z3 @BBS	BR-Z3 @SBR	PY-Z7 @KRK	
1	34039	PTH-1	8032(2)	404	4883(4)	92	101	100	
2	34040	BRI-22022	7300(7)	2380(2)	4276	100	99	95	
3	34041	LG 90461	6860	1765(6)	4172	89	97	97	
4	34042	CTVA-25108	8295(1)	2747(1)	4867(5)	93	93	87	
5	34043	LG 90462	7025	1250(8)	4120	88	102	98	
6	34044	XP-423	7824(3)	2096(3)	5495(3)	96	99	100	
7	34045	TNTRH-202	6631	1948(5)	4522(7)	96	112	95	
8	34046	NDLRH-557	5994	590	4200	97	120	109	
9	31700	PAN-2440	7475(6)	1102(10)	5503(2)	97	99	96	
10	32596	BAYR-4514	7604(5)	781	4183	84	117	110	
11	34047	SW-3148	5732	1367(7)	4252	94	102	99	
12	34048	Indam 200-064	5636	1954(4)	4147	103	105	98	
13	34049	CRHR-198	7083(10)	1000	4103	107	102	100	
14	34050	BS-348	7096(9)	1244(9)	4325(8)	88	112	101	
15	34051	CRHR-199	7188(8)	1006	4227	105	102	99	
16	34052	NK-7013 (RNE-0839)	6801	997	4285(10)	104	104	99	
17	34053	IIRRH-192	6758	963	4858(6)	87	91	86	
18	AZ8433DT (NCH)		7017	670	4202	97	107	99	
19	NDR-359 (NCV)		7673(4)	250	4315(9)	93	117	98	
20	Zonal Check Variety		5468	228	4155	86	98	114	
21	Local Check Variety		6515	324	5639(1)	95	103	98	
Exp. Mean			6953	1194	4511	94	103	98	
CD (0.05)			391	458	28				
CV (%)			3.41	23.28	0.37				
F value			31.71	20.07	2613.6				
NHC+CD (0.05)			7408	1128	4230				
BVC+CD (0.05)			8064	708	4343				
D/S			26.6.25	22.7.25					
D/P			30.7.25	7.8.25					
Gross Plot Size (Sq. m)			10						
Net Plot Size (Sq. m)			10	10.8					
Zonal Check Variety			CR Dhan-300	CR Dhan-300					
Local Check Variety			MTU 1001	R. Sweta					

@ Data of centres- Bayer Biosciences (BBS) and Karaika(KRK) not included in the analysis due to low CV; Sabour(SBR) due to low experimental mean and high CV

Appendix- 10: Grain Yield (kg/ha) of hybrids in IHRT-Medium Slender, Kharif 2025

S. No.	IET No.	Name	Zone-3										Zone-4			
			BR-Z3		JH-Z3		UP-Z3		WB-Z3		Zone-3 (5)		AS-Z4		TR-Z4	
			DNG	BBS	RCI	JH (2)	MSD	CHN	Zone-3 (5)	TTB	ARD	Zone -4 (2)				
1	34054	TNTRH-174	4688(10)	4362	4200	4281	4418	4852	4504	4307	5290(3)	4668				
2	34055	VNR-241	6303(2)	5719(8)	5167(4)	5443(7)	5849(5)	7519(2)	6111(5)	6083(1)	4316	5488(3)				
3	34056	JGLH-490	5361(4)	6825(1)	5133(5)	5979(2)	6391(4)	8074(1)	6357(1)	5950(2)	4674(10)	5480(4)				
4	34057	RNRH-310	5658(3)	6275(4)	4933(7)	5604(6)	6955(2)	6963(5)	6157(4)	5950(2)	4842(8)	5536(2)				
5	34058	JGLH-518	7026(1)	6360(3)	5800(2)	6080(1)	7372(1)	4889	6289(2)	5570(5)	4948(6)	5276(6)				
6	34059	CRHR-194	5326(5)	6789(2)	4700(8)	5745(3)	5257(9)	6889(6)	5792(6)	5390(7)	5184(5)	5440(5)				
7	34060	CRHR-195	5150(7)	4948(10)	5083(6)	5016(10)	5194(10)	6296(7)	5334(8)	4930(9)	4763(9)	4861(10)				
8	34061	Kaveri-7624	5192(6)	5135(9)	6267(1)	5701(5)	6946(3)	7259(4)	6160(3)	5517(6)	3052	4678				
9	27P63 (NCH)		4698(9)	5854(7)	5633(3)	5744(4)	4673	7482(3)	5668(7)	5183(8)	4926(7)	5022(7)				
10	WGL-14 (NCV-1)		4871(8)	4561	4433(9)	4497	5832(6)	5926(8)	5125(9)	5860(4)	5816(1)	5854(1)				
11	BPT-5204 (NCV-2)		4180	6055(5)	4300	5178(8)	5470(8)	5037(10)	5008	4833(10)	5290(3)	4985(8)				
12	Zonal Check Variety		3633	5973(6)	4350(10)	5161(9)	5569(7)	5852(9)	5075(10)	4700	5394(2)	4956(9)				
Exp. Mean			5174	5738	5000	5369	5827	6420	5632	5356	4874	5187				
CD (0.05)			841	645	659	384	820	1750	503	861	475	658				
CV (%)			9.59	6.64	7.78	4.22	8.32	16.1	5.27	9.49	4.43	7.49				
F value			9.87	13.88	8.41	18.48	11	3.47	12.63	3.77	20.66	2.84				
NHC+CD (0.05)			5539	6499	6292	6128	5493	9232	6171	6044	5401	5680				
BVC+CD (0.05)			5712	6700	5092	5562	6652	7676	5628	6721	6291	6512				
D/S			2.7.25	26.6.25	30.6.25		18.6.25	16.6.25		4.7.25	7.7.25					
D/P			30.7.25	29.7.25	26.7.25		19.7.25	11.7.25		6.8.25	28.7.25					
Gross Plot Size (Sq. m)			12.21	10	10		10	11.34		10	10					
Net Plot Size (Sq. m)			9.45	10			7.99	9		10	9.5					
Zonal Check Variety			I.S.M	I.S.M	I.S.M		I.S.M	I.S.M		Ketekejoha	Ketekejoha					

Appendix- 10(Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Medium Slender, Kharif 2025

S. No.	IET No.	Name	Zone-5											
			CG-Z5			MH-Z5				MP-Z5				
			RPR	VNRS	CG (2)	SKL	SND	ANKN	MH-Z5(3)	JBP	WRS	MP(2)	Zone-5(7)	
1	34054	TNTRH-174	4560	4866(10)	4713	6367(3)	4688(9)	4673(10)	5242(6)	3923(8)	5030	4477	4872	
2	34055	VNR-241	7094(1)	8644(1)	7869(1)	4033(10)	5541(6)	4412	4662(10)	5103(4)	8367(2)	6735(4)	6171(3)	
3	34056	JGLH-490	5960(5)	4637	5299(10)	3967	6088(2)	5197(7)	5084(7)	3780(9)	6281(10)	5030(10)	5130(9)	
4	34057	RNRH-310	5747(7)	6367(6)	6057(8)	5567(6)	5621(4)	5526(5)	5571(5)	5340(3)	8337(3)	6838(2)	6072(5)	
5	34058	JGLH-518	5625(8)	7055(5)	6340(5)	7200(1)	5551(5)	5636(4)	6129(2)	5800(1)	9292(1)	7546(1)	6594(2)	
6	34059	CRHR-194	5420(9)	7814(2)	6617(4)	4100(9)	5355(7)	5052(8)	4836(9)	4627(5)	7154(7)	5890(6)	5646(7)	
7	34060	CRHR-195	6198(3)	7619(4)	6909(3)	4700(8)	4141	5872(2)	4904(8)	3693(10)	6760(9)	5227(8)	5569(8)	
8	34061	Kaveri-7624	6254(2)	7803(3)	7028(2)	6467(2)	7078(1)	6230(1)	6592(1)	4567(6)	8240(4)	6403(5)	6663(1)	
9	27P63 (NCH)		6022(4)	6114(8)	6068(7)	6133(4)	5786(3)	4977(9)	5632(4)	5393(2)	8116(5)	6755(3)	6077(4)	
10	WGL-14 (NCV-1)		5863(6)	6306(7)	6084(6)	6100(5)	5325(8)	5484(6)	5636(3)	4087(7)	7427(6)	5757(7)	5799(6)	
11	BPT-5204 (NCV-2)		4478	4369	4423	5033(7)	4355(10)	4052	4480	3027	5105	4066	4345	
12	Zonal Check Variety		4776(10)	5979(9)	5378(9)	3933	4021	5765(3)	4573	3343	7026(8)	5185(9)	4978(10)	
Exp. Mean			5666	6464	6065	5300	5296	5240	5279	4390	7261	5826	5660	
CD (0.05)			597	1623	801	1045	961	656	555	549	663	483	390	
CV (%)			6.22	14.82	7.8	11.64	10.72	7.39	6.21	7.38	5.39	4.89	4.07	
F value			14.08	6.15	13.23	10.49	7.19	8.14	11.88	22.39	34.06	41.43	28.8	
NHC+CD (0.05)			6619	7737	6869	7178	6747	5633	6187	5942	8779	7238	6467	
BVC+CD (0.05)			6460	7929	6885	7145	6286	6421	6191	4636	8090	6240	6189	
D/S			20.6.25	5.6.25		21.6.25	16.6.25	28.6.25		12.6.25	24.6.25			
D/P			15.7.25	26.6.25		16.7.25	11.7.25	25.7.25		7.7.25	17.7.25			
Gross Plot Size (Sq. m)			10.99			10	10	9.36		10	10			
Net Plot Size (Sq. m)			7.55	8.91		10	7.99	7.6		7.99	8.9			
Zonal Check Variety			I.S.M	I.S.M		I.S.M	I.S.M	I.S.M		I.S.M	I.S.M			

Appendix- 10(Contd...): Grain Yield (kg/ha) of hybrids in IHRT-Medium Slender, Kharif 2025

		Zone-6 Contd...											Zone-6
		GJ-Z6					MH-Z6						
S.No.	IET No.	Name	NVS	NWG	DBI	GJ (3)	PDG	SHG	KJT	MH Z6(3)	MH_Overall (6)		Zone-6 (6)
1	34054	TNTRH-174	3821	4593(10)	3426	4060	4335	5487(5)	5534(9)	5119(8)	5181(9)		4620
2	34055	VNR-241	3925	6275(5)	4652(3)	4542(9)	4827(9)	4136(9)	6280(2)	5081(10)	4872		4956(8)
3	34056	JGLH-490	4803(7)	6233(6)	3549	4832(6)	6569(3)	4396(8)	5724(6)	5563(4)	5324(6)		5269(5)
4	34057	RNRH-310	5641(1)	6290(3)	4088(7)	5362(2)	4860(8)	4863(6)	5602(8)	5108(9)	5340(4)		5211(7)
5	34058	JGLH-518	5068(2)	6278(4)	3843(10)	4968(5)	7166(1)	5988(3)	5868(4)	6341(1)	6235(1)		5798(1)
6	34059	CRHR-194	5048(3)	5775(7)	4039(8)	4697(8)	5776(5)	4520(7)	7077(1)	5791(2)	5313(7)		5438(4)
7	34060	CRHR-195	4831(6)	5158(8)	5970(2)	5131(4)	5735(6)	6175(1)	5324	5745(3)	5325(5)		5506(3)
8	34061	Kaveri-7624	4690(8)	7236(1)	6368(1)	5719(1)	6830(2)	3889	5790(5)	5503(5)	6047(2)		5623(2)
9	27P63 (NCH)		4950(4)	6842(2)	4554(5)	5298(3)	5905(4)	3951(10)	5720(7)	5192(7)	5412(3)		5268(6)
10	WGL-14 (NCV-1)		4862(5)	5032(9)	4162(6)	4815(7)	5102(7)	3285	5925(3)	4771	5204(8)		4762(10)
11	BPT-5204 (NCV-2)		4411(10)	2690	3990(9)	3961	3634	5947(4)	5442(10)	5007	4744		4508
12	Zonal Check Variety		4685(9)	3234	4578(4)	4323(10)	4504(10)	6027(2)	5378	5303(6)	4938(10)		4903(9)
Exp. Mean			4728	5470	4435	4809	5437	4889	5805	5377	5328		5155
CD (0.05)			962	1019	1161	832	595	862	886	431	381		437
CV (%)			12.01	8.46	11.9	10.22	6.46	10.41	9.02	4.73	4.22		5.01
F value			2.29	18.19	5.8	3.5	28.29	11.61	2.52	8.67	11.23		7.47
NHC+CD (0.05)			5912	7861	5715	6130	6500	4813	6606	5623	5793		5705
BVC+CD (0.05)			5824	6051	5739	5647	5697	6889	6811	5734	5585		5340
D/S			18.6.25	12.6.25	5.6.25		10.6.25	9.6.25	9.6.25				
D/P			13.7.25	31.7.25	10.7.25		6.7.25	1.7.25	3.7.25				
Gross Plot Size (Sq. m)			14.15	9.9	12.96		10.26	6.93	10.12				
Net Plot Size (Sq. m)			11.81	7.7	10.2		7.65	4.86	7.61				
Zonal Check Variety			Karijat-6	Karijat-6	Karijat-6	Karijat-6	Karijat-6	Karijat-6	Karijat-6				

Appendix- 10(Cond...): Grain Yield (kg/ha) of hybrids in IHRT-Medium Slender, Kharif 2025

S. No.	IET No.	Name	Zone-7										Overall Mean (26)
			AP-Z7			KA-Z7	TG-Z7			TN-Z7			
			MTU	BPT	AP (2)		MND	IIRR	WGL	TG (2)	CBT	Zone 7(6)	
1	34054	TNTRH-174	4797(8)	3362	4080	10564(2)	4779(9)	5127(10)	4953	6440(8)	5845(10)	4964	
2	34055	VNR-241	5763(7)	5698(1)	5731(2)	1902	4919(7)	5179(9)	5049(10)	8812(1)	5379	5656(7)	
3	34056	JGLH-490	5929(6)	3047	4488(10)	7862(9)	5459(2)	9026(2)	7242(1)	8253(3)	6596(5)	5777(5)	
4	34057	RNRH-310	6080(5)	4620(7)	5350(5)	9049(5)	4976(6)	9411(1)	7193(2)	8236(4)	7062(2)	6114(3)	
5	34058	JGLH-518	6713(1)	3466(10)	5090(6)	9603(3)	5837(1)	5007	5422(8)	6075(10)	6117(7)	6159(2)	
6	34059	CRHR-194	4614(9)	5332(2)	4973(7)	8579(8)	5101(4)	7985(6)	6543(5)	6164(9)	6296(6)	5762(6)	
7	34060	CRHR-195	4314(10)	5216(4)	4765(8)	8878(7)	4827(8)	7407(7)	6117(7)	5504	6025(8)	5577(9)	
8	34061	Kaveri-7624	6596(2)	4286	5441(4)	8979(6)	5353(3)	8513(4)	6933(4)	7471(5)	6866(3)	6263(1)	
9	27P63 (NCH)		6180(4)	4723(6)	5452(3)	11541(1)	5068(5)	8943(3)	7005(3)	7150(6)	7267(1)	6050(4)	
10	WGL-14 (NCV-1)		6213(3)	5266(3)	5740(1)	6987(10)	4447(10)	8295(5)	6371(6)	8487(2)	6616(4)	5636(8)	
11	BPT-5204 (NCV-2)		2832	4274(9)	3553	6485	4171	4804	4487	5041	4601	4616	
12	Zonal Check Variety		4198	4829(5)	4513(9)	9147(4)	4349	6333(8)	5341(9)	6610(7)	5911(9)	5196(10)	
Exp. Mean			5352	4510	4931	8298	4941	7169	6055	7020	6215	5648	
CD (0.05)			949	748	684	994	850	1327	767	934	374	187	
CV (%)			10.47	9.79	8.2	7.07	10.16	10.93	7.48	7.85	3.55	1.95	
F value			13.42	11.15	8.43	51.99	2.72	15.32	13.72	15.19	34.35	62.39	
NHC+CD (0.05)			7129	5471	6136	12535	5918	10270	7772	8084	7641	6237	
BVC+CD (0.05)			7162	6014	6424	10141	5297	9622	7138	9421	6990	5823	
D/S			6.7.25	20.7.25		24.7.25	27.6.25	4.7.25		17.6.25			
D/P			31.7.25	-		20.8.25	14.8.25	17.8.25		14.7.25			
Gross Plot Size (Sq. m)			10.26	9		10.26	6.93	12.15		6.48			
Net Plot Size (Sq. m)			7.56	7.02		9.15		9.68		4			
Zonal Check Variety			ADT-49	ADT-49		ADT-49	ADT-49	ADT-49		ADT-49			

Appendix-11: Days to 50% Flowering (DFF) of hybrids in IHRT Medium Slender, Kharif 2025

S. No.	IET No.	Name	Zone-3							Zone-4			
			BR-Z3	JH-Z3		UP-Z3	WB-Z3	Zone-3 (5)	AS-Z4	TR-Z4	Zone -4 (2)		
				BBS	RCI								
			DNG	103	91	JH (2)	MSD	CHN	TTB	ARD			
1	34054	TNTRH-174	90	103	91	97	91	97	97	77	90		
2	34055	VNR-241	105	83	106	94	106	110	109	75	98		
3	34056	JGLH-490	104	99	103	101	107	113	103	74	94		
4	34057	RNRH-310	102	102	102	102	104	112	106	71	94		
5	34058	JGLH-518	94	100	97	98	99	106	98	75	90		
6	34059	CRHR-194	102	83	103	93	107	113	110	73	98		
7	34060	CRHR-195	104	101	100	100	105	109	109	72	97		
8	34061	Kaveri-7624	100	75	99	87	94	104	102	80	94		
9	27P63 (NCH)		105	82	99	90	102	109	107	78	98		
10	WGL-14 (NCV-1)		102	102	100	101	106	111	110	72	97		
11	BPT-5204 (NCV-2)		100	83	99	91	104	95	102	74	92		
12	Zonal Check Variety		108	101	102	101	105	111	113	76	101		
Exp. Mean			101	92	100	96	102	107	105	74	95		

Appendix-11(Contd...): Days to 50% Flowering (DFF) of hybrids in IHRT Medium Slender, Kharif 2025

S. No.	IET No.	Name	Zone-5										
			CG-Z5			MH-Z5				MP-Z5			
			RPR	VNRS	CG (2)	SKL	SND	ANKN	MH-Z5(3)	JBP	WRS	MP(2)	Zone-5 (7)
1	34054	TNTRH-174	100	91	96	91	96	103	97	101	85	93	95
2	34055	VNR-241	115	103	109	122	107	111	113	116	98	107	110
3	34056	JGLH-490	102	117	110	107	108	104	106	116	98	107	107
4	34057	RNRH-310	107	103	105	105	112	109	109	113	100	106	107
5	34058	JGLH-518	100	108	104	97	99	98	98	111	94	103	101
6	34059	CRHR-194	108	104	106	77	110	107	98	114	99	106	103
7	34060	CRHR-195	108	104	106	131	112	108	117	114	101	107	111
8	34061	Kaveri-7624	101	99	100	98	100	105	101	107	96	101	101
9	27P63 (NCH)		103	99	101	100	103	106	103	111	97	104	103
10	WGL-14 (NCV-1)		113	103	108	105	112	110	109	114	100	107	108
11	BPT-5204 (NCV-2)		104	95	100	99	110	104	104	111	95	103	103
12	Zonal Check Variety		114	108	111	109	102	110	107	119	100	110	109
Exp. Mean			106	102	105	103	105	106	105	112	96	104	105

Appendix- 11(Cond...): Days to 50% Flowering (DFF) of hybrids in IHRT Medium Slender, Kharif 2025

S. No.	IET No.	Name	Zone-6										MH Overall (6)	Zone-6 (6)
			GJ-Z6					MH-Z6						
			NVS	NWG	DBI	GJ (3)	PDG	SHG	KJT	MH Z6(3)				
1	34054	TNTRH-174	90	104	100	96	86	83	105	92	94	94		
2	34055	VNR-241	101	118	98	104	102	110	96	103	108	104		
3	34056	JGLH-490	107	116	110	109	102	113	103	106	106	108		
4	34057	RNRH-310	106	106	110	107	98	102	103	101	105	104		
5	34058	JGLH-518	102	102	118	106	95	98	96	96	97	101		
6	34059	CRHR-194	98	106	112	103	99	109	104	104	101	104		
7	34060	CRHR-195	96	118	114	105	102	108	102	104	110	105		
8	34061	Kaveri-7624	93	107	114	101	98	97	109	101	101	102		
9	27P63 (NCH)		96	108	99	99	102	101	94	99	101	100		
10	WGL-14 (NCV-1)		106	116	116	111	99	108	101	103	106	106		
11	BPT-5204 (NCV-2)		92	106	111	99	93	99	85	93	98	96		
12	Zonal Check Variety		91	106	110	98	94	97	96	96	101	98		
Exp. Mean			98	109	109	103	97	102	99	100	102	102		

Appendix- 11(Cond...):Days to 50% Flowering (DFF) of hybrids in IHRT Medium Slender, Kharif 2025

			Zone-7											
S. No.	IET No.	Name	AP-Z7			KA-Z7		TG-Z7			TN-Z7		Overall Mean (26)	
			MTU	BPT	AP (2)	MND	IIRR	WGL	TG (2)	CBT	Zone 7(6)			
1	34054	TNTRH-174	84	83	83	90	102	109	105	92	93	94		
2	34055	VNR-241	95	100	97	105	112	127	120	105	107	106		
3	34056	JGLH-490	93	80	86	78	96	106	101	95	91	102		
4	34057	RNRH-310	94	93	94	101	102	129	116	101	103	104		
5	34058	JGLH-518	82	81	81	83	98	100	99	93	89	97		
6	34059	CRHR-194	95	100	97	107	113	130	121	101	108	103		
7	34060	CRHR-195	95	98	96	105	105	130	118	101	106	106		
8	34061	Kaveri-7624	93	93	93	98	112	109	110	99	100	99		
9	27P63 (NCH)		91	98	95	100	113	130	122	99	105	102		
10	WGL-14 (NCV-1)		99	104	102	104	111	130	120	104	109	106		
11	BPT-5204 (NCV-2)		95	98	97	100	103	108	106	100	101	99		
12	Zonal Check Variety		94	97	96	99	99	129	114	99	103	104		
Exp. Mean			92	93	93	97	105	119	113	99	101	102		

Appendix-12: Centres not considered for analysis in IHRT-Medium Slender, Kharif 2025

S. No.	IET No.	Name	Grain Yield (kg/ha)				Days to 50% Flowering (DFF)			
			BR-Z3 @SBR	OD-Z3 @CTK	KA-Z7 @BRM	PY-Z7 @KRRK	BR-Z3 @SBR	OD-Z3 @CTK	KA-Z7 @BRM	PY-Z7 @KRRK
1	34054	TNTRH-174	1774(3)	5891(9)	4577(8)	5492(3)	99	98	92	86
2	34055	VNR-241	628(10)	6062(8)	5195(5)	3360	109	109	84	97
3	34056	JGLH-490	1444(6)	6460(5)	4479(9)	3482(9)	96	110	93	86
4	34057	RNRH-310	878(9)	7025(2)	4381	4518(5)	118	108	92	95
5	34058	JGLH-518	1261(7)	5245	4406(10)	4075(7)	92	108	85	88
6	34059	CRHR-194	1930(2)	6075(7)	5316(3)	3443	112	112	88	94
7	34060	CRHR-195	1736(4)	6828(3)	4836(7)	3820(8)	109	110	95	97
8	34061	Kaveri-7624	2521(1)	7203(1)	5215(4)	3450(10)	101	104	82	95
9	27P63 (NCH)		1451(5)	6319(6)	5069(6)	4450(6)	102	104	91	91
10	WGL-14 (NCV-1)		889(8)	5315	4138	5822(1)	115	112	96	96
11	BPT-5204 (NCV-2)		580	6631(4)	5350(2)	5625(2)	118	100	80	96
12	Zonal Check Variety		354	5841(10)	5638(1)	4672(4)	120	114	86	95
Exp. Mean			1287	6241	4883	4351	107	107	88	93
CD (0.05)			510	1338	1062	204				
CV (%)			23.41	12.66	12.84	2.77				
F value			13.69	1.87	1.74	168.11				
NHC+CD (0.05)			1961	7657	6131	4654				
BVC+CD (0.05)			1399	7969	6700	6026				
D/S			22.7.25	2.6.25	9.6.25					
D/P			7.8.25	1.7.25	17.6.25					
Gross Plot Size (Sq. m)				9.9	10.08					
Net Plot Size (Sq. m)			9.6	7.44	7.92					
Zonal Check Variety			I.S.M	I.S.M	ADT-49	ADT-49				

@ Data of centres- Karaikal (KRRK) not included in the analysis due to low CV; Sabour(SBR) due to low experimental yield and high CV; Brahmavar(BRM) and ICAR-NRRI(CTK) due to non-significant F value.

ADVANCED VARIETY TRIAL 2 & 1 – AEROBIC (AVT 2 & 1 - Aerob)

Locations: 25

Test Entries: 15

Checks: DRR Dhan 54 & CR Dhan 201 (National); CR Dhan 202 (Northern, Eastern, North Eastern and Central), AAUDR-1 (Western), MAS 946-1 (Southern)- Zonal; DRRH 4 (Hybrid) and local check

Advanced Variety Trial 2 & 1 - Aerobic was constituted with 15 test entries of which, seven varietal and one hybrid entries were tested in third year, while, in second year, 6 varietal and one hybrid entries were evaluated along with 5 checks namely DRR Dhan 54 & CR Dhan 201 (National); Zonal check: CR Dhan 202 (Northern, Eastern, North Eastern and Central), AAUDR-1 (Western), MAS 946-1 (Southern), Hybrid check: DRRH 4 and local check. The trial was sent to 25 locations across II, III, IV, V, VI and VII zones, and the data was not received from one location i.e., Hazaribagh, due to failure of trial. Data from four centres were excluded from analysis viz., Tripura, Jagadalpur, Derol and Parbhani due to either low (<3.5%) / high CV (26%) or low experimental yield (<3500 Kg/ha) or based on non-significant F Value. The range of various parameters across the zones were presented in the following table

Zones	II	III	IV	V	VI	VII
Range : Zonal mean (Kg/ha)	2257 (IET 31768)-5799 (LC)	4031 (ZC)-4643 (IET 31740)	3145 (DD 54 NC) - 4529 (HC)	3080 (IET 32616) - 6469 (HC)	1973 (ZC) - 4840 (IET 31768)	4616 (HC) - 3302 (CRD 201 NC)
Exp Mean (Kg/ha)	3499 (KRL)-4886 (LDN)	3225 (GRK)-6341 (VRN)	3083 (NGD)-4301 (ARD)	3472 (REW) - 6694 (JBP)	2729 (VYR) - 3504 (NVS)	3674 (MND) - 4627 (MGD)
CV%	4.82 (KUL) – 17.94 (KRL)	3.86 (PSA) - 10.99 (CTK)	3.67 (ARD)-22.06 (NGD)	4.77 (JBP) – 15.88 (RPR).	15.68 (VYR) 26.14 (NVS)	5.2 (MGD) – 8.04 (MND)
DFF	87 (DD 54 NC) - 108 (IET 31768)	82 (IET 30045, HC) - 98 (IET 31768)	83 (DD 54 NC) to 88 (HC)	83 (LC) to 99 (IET 31768)	76 (ZC) - 91 (CRD 201 NC)	84 (HC) - 110 (CRD 201 NC)
PH (cm)	78 (CRD 201 NC)-120 (DD 54 NC)	95 (IET 31757)- 115 (DD 54 NC, HC)	108 (IET 31775)- 126 (DD 54 NC)	77 (IET 32617) - 102 (HC)	101 (ZC) - 133 (HC)	55 (CRD 201 NC) - 96 (DD 54 NC)
Pan/m ²	139 (IET 31768 - 376 (ZC)	248 (CRD 201 NC) to 278 (HC)	344 (IET 31768) to 427 (IET 31775)	187 (CRD 201 NC) - 247 (HC).	161 (LC) - 220 (IET 31768)	379 (CRD 201 NC) to 490 (DD 54 NC)
DNI (Data not included)	-	-	LEM F cal: 0.74 (ns)	JDP F cal: 0.8 (ns)	DRL-low Exp. Yield (LEY) (2085 kg/ha) PBN-LEY (2369 kg/ha)	-
Locations considered	3	8	2	3	2	2

@ DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

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In AVT 2, none of the entries recorded required significant yield superiority and their three years performance is presented in the table. In AVT 1, two varietal entries viz., IET 31768 showed significant yield superiority in Zone VI, IET 32654 entry recorded required significant yield superiority in Zone V

Performance of the entries with required significant yield superiority over checks in AVT 2 & 1 Aerob during kharif 2025

S. No	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV & Remarks
		II	III	IV	V	VI	VII	
	Entries in second year of testing							
1	31768 (RP 6762-MSAC 16-24) Swarna / DRR Dhan 44	--	--	--	--	4840 (1)*#	--	LB, 64.4, 27.66, 67, 4.0 Promoted in Zone VI
2	32654 (AD 22322-IR127364-46-2-1) IR 84899-B-185-10-1-4-1/BPT 5204	--	--	--	5943 (2)*	--	--	SB, 55.3, Promoted in Zone V
	NC-I (DRR Dhan 54)	4406	4518	3145	4671	3356	3953	
	NC-II (CR Dhan 201)	3057	4337	3301	3405	2728	3302	
	ZC	4584	4031	3380	4674	1973	3502	
	LC	5799	4532	4057	5383	2741	4376	
	HC	5278	4465	4529	6469	2954	4616	
	CD	422	224	607	441	421	647	
	BC+CD	6221	4756	4664	5824	3777	5023	
	HC+CD	5700	4689	5136	6910	3375	5263	

Three years performance of the entries: Eight entries completed three years of testing. Yield performance along with ranks across three years in various zones for these entries is given in the following table.

Three-year performance of entries during Kharif 2022, 2023 & 2024 Zone III & VII

IET No	Year	II	III	IV	V	VI	VII	Over all	Remarks
30045 (BRR 2185) BP 11820-5F-KN-10-2-Selection	2025	--	4531 (5)	--	--	--	--	--	LS, 68.3, 26.01, 71, 7.0 Not promising
	2024	4591 (5)#	5238 (4)*#	5233 (7)	5247 (5)#	3954 (7)#	2802	--	
	2023	-	-	-	-	-	-	-	
	2022	5388 (2) *	3698	--	3025	5421 (3) *	5066 (5) * #	4322 (8)*	
31740 (NVSR 1141) NAUR-1 / IR-28	2025	--	4643 (1)	--	--	--	--	--	LB, 54.9, 26.28, 45, 4.0 Promising in Zone III
	2024	--	5383 (2)*#	--	--	--	--	--	
	2023	3610	4739 (5)*#	5123	4545	4594	4501	4506	
31741 (CR 4457-IR 129477-4026-249-15 1-4).....27 // IR 09N538 / IR 96322 34-223-B /// IR 09N538 / IR 91648-B-32-B	2025	--	4610 (2)	--	5781 (3)	--	--	--	MS, 60.9, 21.14, 65, 4.0 Promising in Zone III
	2024	3812 (9)#	5200 (6)*#	5283 (6)	8701 (1)*#	3989 (6)#	4081 (6)	--	
	2023	3102	5315 (1)*#	6997	3768	4767	6852 (1)*	4865 (3)*	
31757 (JDP 5925) IR64 / TRC87-251	2025	--	4265	--	--	--	--	--	LS, 69.5, 16.77, 71, 7.0 Promising in Zone III
	2024	4601 (4)#	5234 (5)*#	5300 (5)	3151 (9)#	4173 (3)#	3394 (9)	--	
	2023	5448 (1)*	4539 (9)*	6372	4345	3161	2457	4521 (10)*	
31760 (RNR 28361) Bhadrakali / Rewa 671	2025	-	4332 (10)	--	--	--	--	--	LS, 66.7, 22.05, 22, 7.0 Promising in Zone III
	2024	4049 (8)#	5298 (3) *#	4358	3925 (8)#	3723 (9)#	4135 (5)	--	
	2023	2313	4769 (4)*#	9131 (1)*#	3702	6241 (2) *	2917	4636 (6)*	

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31765 (PAU-IR 129477-1629-210-4-4-4 (RYT 4115)) R 91648-B / IR 91648-B-13-B // IRBL-9 / Aganni /// Abhaya / Rathu Hannati// / IR 93312-30-101-20-13-66-6	2025	--	4546 (3)	--	--	--	--	--	LS, 58.1, 23.76, 75, 4.0 Not promising
	2024	4697 (3)#	5400 (1) *#	6208 (2)	2647	4175 (2)#	4166 (4)	--	
	2023	4268	4283	6497	4602 (10)	4531	3732	4513 *	
31775 (RP 6763-CGR 28-IR144572-20-4 1-1-B) MTU 1010*2 / IR 144560	2025	--	--	3730 (3)	--	--	--	--	LS, 69.5, 23.58, 50, 4.0 Not promising
	2024	4339 (7)#	4567 #	7750 (1)*	2806 (10)	3449 (10)#	3119 (10)	--	
	2023	4818 (5)	4693 (6)*	7289 (7) #	4105	3850	3586	4599 (7)*	
30919 (H) (IIRRH 159) Hybrid	2025	--	4130	--	--	--	--	--	MS, 59.8, 27.13, 72, 4.0 Not promising
	2024	--	--	--	--	--	3978		
	2023	4713	4544 (3)	4698	4597	4689	5971 (1) *#		
	2022	4260	6322 (1)*#	3411	6298 (5)*#	4237	3486	4779 (1)*#	

Summary : Locations: 25

Test entries: 15

Checks: DRR Dhan 54 & CR Dhan 201 (National); CR Dhan 202 (Northern, Eastern, North Eastern and Central), AAUDR-1 (Western), MAS 946-1 (Southern)- Zonal; DRRH 4 (Hybrid) and local check

Performance in AVT 2 (Aerobic): None of the entries found promising

Entries promoted to third year of testing (from AVT1-Aerobic to AVT2-Aerobic): Two

Zone II:	None
Zone III:	None
Zone IV:	None
Zone V:	IET 32654
Zone VI	IET 31768
Zone VII	None

Table No. 9.1: Composition of entries in Advance Variety Trial 2 & 1 -Aerobic (AVT 2 & 1 – Aerob), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zone	GT
4101	30045*	BRR 2185	BP 11820-5F-KN-10-2-Selection	III	LS
4102	31740*	NVSR 1141	NAUR-1 / IR-28	III	MB
4103	DRRH 4 (Hybrid Check)				
4104	31741*	CR 4457-IR 129477-4026-249-15 1-4	IR 09N538 / IR 93312-30-101-20-3-66-6 // IR 09N538 / IR 11L101 /// IR 09N538 / Tadukan // IR 09N538 / Rathu Heenati / 4 / IR 09N538 / Abhaya // IR 09N538 / IRBB 60 (IR 72920-1 44-4) /// IR 09N538 / IR 94225-B-82-B // IR 09N538 / IR 94226-B-177-B / 5 / IR 09N538 / WHD IS-75-1-127 // IR 09N538 / IR 96322 34-223-B /// IR 09N538 / IR 91648-B-32-B	III,V	MS
4105	31757*	JDP 5925	IR64 / TRC87-251	III	LS
4106	31760*	RNR 28361	Bhadrakali / Rewa 671	III	LS
4107	DRR Dhan 54 (National Check)				
4108	31765*	PAU-IR 129477-1629-210-4-4-4 (RYT 4115)	R 91648-B / IR 91648-B-13-B // IRBL-9 / Aganni /// Abhaya / Rathu Hannati// IR 91648-B-289-B / IR 91648-B-336-B /// IR 94225-B-82-B / IR 94226-B-177-B // IR 94226-B-177-B / IR 93312-30-101-20-13-66-6	III	LS
4109	31775*	RP 6763-CGR 28-IR144572-20-4 1-1-B	MTU 1010*2 / IR 144560	IV	LS
4110	30919 (H)* (R)	IIRRH 159	Hybrid	III	MS
4111	CR Dhan 202 (Northern, Eastern, North Eastern, Central); AAUD R-1 (Western), MAS 946-1 (Southern) (ZC)				
4112	31747	RP 6761-MSAC 26-IR144575-61-2-1-1-B	IR 91648-B-89*3 / IR 144557	III	LS
4113	31768	RP 6762-MSAC 16-24	Swarna / DRR Dhan 44	II,III,IV, V,VI,VII	LB
4114	32612	BRR-2266	CRL22/MTU1071(TCN-188-SeL.-2186	III	LS
4115	CR Dhan 201 (National Check)				
4116	32617	CRD Dhan -6 (IR 167-1662	BRRI DHan55/IR58443-6B-10-3//BRRI Dhan 55	V	MS
4117	32616	CR 6322-RGA-59	CR Dhan-318 x CR Dhan 801	V	SB
4118	32650 (H)	IIRRH 181	Hybrid	III	LB
4119	32654	AD 22322-IR127364-46-2-1	IR 84899-B-185-10-1-4-1/BPT 5204	V	SB
4120	Local Check				

***3rd year testing entries**

Table No. 9.2: Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN								ZONE II - NORTHERN (3)	
		Haryana				Haryana (2)		Punjab		Mean	
		Karnal		Kaul		Mean		Ludhiana		Mean	
4103	DRRH 4 (HC)	5727	1	5577	2	5652	1	4532	3	5278	2
4107	DRR Dhan 54 (NC)	4233	4	4514	4	4373	4	4472	4	4406	4
4111	ZC	4430	3	5212	3	4821	3	4111	5	4584	3
4113	31768	827	5	3687	5	2257	5		6	2257	6
4115	CR Dhan 201 (NC)	650	6	3528	6	2089	6	4992	2	3057	5
4120	LC	5130	2	5942	1	5536	2	6325	1	5799	1
Experimental Mean		3499		4743		4121		4886		4230	
CD(0.05)		946		344		541		437		422	
CV(%)		17.94		4.82		8.72		5.81		6.61	
F val		49.29**		76.51**		77.52**		36.97**		91.87**	
DOS		07-07-2025		18-06-2025				11-06-2025			
DOP											
Local Check Name		CSR 105		HKR 49				PR 126			

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (3)		Jharkhand		Odisha	
		Pusa		Patna-ICAR		Bikramganj (Dhangain)		Mean		Ranchi		NRRI	
4101	30045*	3817		3510		6974	2#	4767	5	3644		5233	1#
4102	31740*	4384	1#	4573	7#	4892		4617	9	4587	5	3869	9
4103	DRRH 4 (HC)	4102	10	3610		5889	6	4534		5358	2	4332	7
4104	31741*	3865		4907	3*#	5271	7	4681	7	5084	3	3459	
4105	31757*	4063		3030		6979	1#	4691	6	4302	7	3256	
4106	31760*	4122	8	6197	1*#	5125	8	5148	1#	3964		5218	2#
4107	DRR Dhan 54 (NC)	4294	4	4403	10	5045	10	4581	10	3698		4606	5
4108	31765*	4173	7	4517	8#	6108	5	4933	3#	3804		3401	
4110	30919 (H)* (R)	3781		4720	4#	5097	9	4533		4338	6	3387	
4111	ZC	4012		4103	#	4368		4161		3858		2991	
4112	31747	4274	6#	4640	5#	4455		4456		3893		4376	6
4113	31768	4118	9	5233	2*#	4556		4636	8	4213	8	4695	4
4114	32612	4312	3#	4467	9#	4014		4264		4036	9	3022	
4115	CR Dhan 201 (NC)	4377	2	3430		4444		4084		3982	10	4988	3
4118	32650 (H)	4093		4603	6#	6264	3	4987	2#	5642	1*	3490	10
4120	LC	4277	5	4060		6188	4	4841	4	4676	4	3943	8
Experimental Mean		4129		4375		5354		4620		4318		4017	
CD(0.05)		170		466		954		337		752		736	
CV(%)		3.86		6.39		10.69		4.37		10.45		10.99	
F val		10.44**		22.68**		8.01**		6.18**		5.35**		9.14**	
DOS		27-06-2025		13-06-2025		Direct sowing				05-07-2025		25-06-2025	
DOP		Direct sown		Direct seeded		07-08-2025							
Local Check Name		R. Nilam		Rajendra Bhagwati		Sabour Narendra				IR-64 DRT-1		CR Dhan-212	

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE III - EASTERN								ZONE III - EASTERN (8)	
		Uttar Pradesh						Uttar Pradesh (3)		Mean	
		Gorakhpur		Masodha		Varanasi		Mean		Mean	
4101	30045*	3066	10#	3983	2	6022		4357	8	4531	5
4102	31740*	3589	3#	3898	3	7349	4#	4945	1#	4643	1
4103	DRRH 4 (HC)	2626		3745	5	6055	10	4142		4465	8
4104	31741*	3500	5#	3388	8	7406	3#	4765	3#	4610	2
4105	31757*	3059	#	3126	10	6302	7	4162	10	4265	
4106	31760*	2856		2771		4405		3344		4332	10
4107	DRR Dhan 54 (NC)	3137	9	3781	4	7184	5	4700	4	4518	7
4108	31765*	3705	2#	3001		7658	2#	4788	2#	4546	3
4110	30919 (H)* (R)	2696		3110		5913		3906		4130	
4111	ZC	3473	6#	3710	6	5737		4307	9	4031	
4112	31747	3169	8#	3014		6126	8	4103		4243	
4113	31768	2934		2076		6387	6	3799		4277	
4114	32612	2941		4053	1	6079	9	4358	7	4115	
4115	CR Dhan 201 (NC)	3395	7	2076		8004	1	4492	5	4337	9
4118	32650 (H)	3534	4#	3685	7	4893		4038		4526	6
4120	LC	3927	1	3252	9	5936		4372	6	4532	4
Experimental Mean		3225		3292		6341		4286		4381	
CD(0.05)		380		600		797		320		224	
CV(%)		7.06		10.94		7.54		4.47		3.06	
F val		8.17**		8.74**		12.45**		13.86**		6.04**	
DOS		19-06-2025		24-07-2025		03-07-2025					
DOP											
Local Check Name		Samba Sub-1		IR 64-Sub 1		MMSD-1					

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE I - HILLS		ZONE IV - NORTH EASTERN		OVERALL MEAN (2)	
		Nagaland		Tripura			
		Nagaland		Arundhutinagar			
4103	DRRH 4 (HC)	4611	1	4447	3	4529	1
4107	DRR Dhan 54 (NC)	2000	7	4289	5	3145	7
4109	31775*	2881	4	4579	1	3730	3
4111	ZC	2812	5	3947	6	3380	5
4113	31768	3587	2	3816	7	3701	4
4115	CR Dhan 201 (NC)	2155	6	4447	3	3301	6
4120	LC	3536	3	4579	1	4057	2
Experimental Mean		3083		4301		3692	
CD(0.05)		1210		281		607	
CV(%)		22.06		3.67		9.24	
F val		5.34**		11.22**		5.95*	
DOS				03-07-2025			
DOP				24-07-2025			
Local Check Name				CR-311			

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN	
		Tripura	
		@Lembucherra	
4103	DRRH 4 (HC)	3500	7
4107	DRR Dhan 54 (NC)	3707	6
4109	31775*	3893	4
4111	ZC	4085	3
4113	31768	4504	1
4115	CR Dhan 201 (NC)	3722	5
4120	LC	4341	2
Experimental Mean		3965	
CD(0.05)		1302	
CV(%)		18.46	
F val		0.74ns	
DOS		18-07-2025	
DOP			
Local Check Name		TRC 2015-5	

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL								ZONE V -	
		Chhattisgarh		Madhya Pradesh			Madhya Pradesh (2)			CENTRAL (3)	
		Raipur		Jabalpur		Rewa		Mean			Mean
4103	DRRH 4 (HC)	4263	7	9002	1	6141	1	7572	1	6469	1
4104	31741*	5103	2	8702	2*	3537	5	6119	2	5781	3
4107	DRR Dhan 54 (NC)	3940	8	6710	5	3364	6	5037	5	4671	6
4111	ZC	4282	6	5074	10	4666	4	4870	6	4674	5
4113	31768	4285	5	7801	3*	326	10	4063	8	4137	7
4115	CR Dhan 201 (NC)	1729	10	5947	6	2539	7	4243	7	3405	9
4116	32617	4491	4	5756	7	1801	9	3778	9	4016	8
4117	32616	2198	9	5155	9	1888	8	3522	10	3080	10
4119	32654	5848	1#	7229	4	4753	3	5991	3	5943	2*
4120	LC	4878	3	5565	8	5707	2	5636	4	5383	4
Experimental Mean		4102		6694		3472		5083		4756	
CD(0.05)		1118		548		821		543		441	
CV(%)		15.88		4.77		13.78		6.22		5.41	
F val		11.13**		60.71**		45.52**		47.72**		57.23**	
DOS		02-07-2025		21-06-2025		07-07-2025					
DOP											
Local Check Name		Indira Aerobic 1		JR 206		JR 206					

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL	
		Chhattisgarh	
		@Jagadapur	
4103	DRRH 4 (HC)	5023	5
4104	31741*	5262	4
4107	DRR Dhan 54 (NC)	4674	9
4111	ZC	5013	6
4113	31768	4572	10
4115	CR Dhan 201 (NC)	4687	8
4116	32617	5305	2
4117	32616	4992	7
4119	32654	5503	1
4120	LC	5279	3
Experimental Mean		5031	
CD(0.05)		1034	
CV(%)		11.99	
F val		0.8ns	
DOS		11-06-2025	
DOP			
Local Check Name		Indira Aerobic 1	

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN				ZONE VI - WESTERN (2)	
		Gujarat					
		Navasari		Vyra		Mean	
4103	DRRH 4 (HC)	3306	4	2571	4	2954	3
4107	DRR Dhan 54 (NC)	4061	3	2716	3	3356	2
4111	ZC	2036	6	1929	5	1973	6
4113	31768	5231	1#	4619	1*#	4840	1*#
4115	CR Dhan 201 (NC)	2322	5	3028	2	2728	5
4120	LC	4069	2	1510	6	2741	4
Experimental Mean		3504		2729		3099	
CD(0.05)		1380		645		421	
CV(%)		26.14		15.68		9.01	
F val		3.86*		25.39**		47.77**	
DOS		12-06-2025		13-06-2025			
DOP							
Local Check Name		GAR-201		GAR-201			

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VI - WESTERN			
		Gujarat		Maharashtra	
		@Derol		@Parbhani	
4103	DRRH 4 (HC)	4000	1	3200	1
4107	DRR Dhan 54 (NC)	2356	3	2617	3
4111	ZC	2511	2	1083	6
4113	31768	622	6	2030	5
4115	CR Dhan 201 (NC)	689	5	2167	4
4120	LC	2333	4	3117	2
Experimental Mean		2085		2369	
CD(0.05)		1528		378	
CV(%)		48.61		10.58	
F val		3.54*		39.72**	
DOS		18-07-2025		02-07-2025	
DOP					
Local Check Name		AAUDR 1		Avishkar	

Table No. 9.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN				ZONE VII - SOUTHERN (2)	
		Karnataka					
		Mugad		Mandya		Mean	
4103	DRRH 4 (HC)	4165	5	4958	1	4616	1
4107	DRR Dhan 54 (NC)	4509	3	3615	3	3953	4
4111	ZC	4860	2	2749	5	3502	5
4113	31768	5747	1*#	3576	4	4418	2
4115	CR Dhan 201 (NC)	4464	4	2647	6	3302	6
4120	LC	4018	6	4499	2	4376	3
Experimental Mean		4627		3674		4028	
CD(0.05)		438		445		647	
CV(%)		5.2		8.04		10.66	
F val		20.01**		39.02**		6.2*	
DOS		05-06-2025		08-07-2025			
DOP		Drill sown					
Local Check Name		MAS-946-1		Daksha			

Table No. 9.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN												ZONE II - NORTHERN (3)		
		Haryana						Haryana (2)			Punjab			Mean		
		Karnal			Kaul			Mean			Ludhiana			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
4103	DRRH 4 (HC)	84	99	425	89	114	262	86	107	343	93	136	413	88	116	367
4107	DRR Dhan 54 (NC)	86	101	385	93	120	222	89	111	304	82	138	430	87	120	346
4111	ZC	98	88	360	102	138	245	100	113	303	98	128	523	99	118	376
4113	31768	117	67	86	98	100	192	108	83	139				108	83	139
4115	CR Dhan 201 (NC)	119	54	76	95	92	199	107	73	137	96	88	490	103	78	255
4120	LC	96	81	305	89	103	279	93	92	292	81	94	470	89	93	351
Experimental Mean		100	81	272	94	111	233	97	96	253	90	116	465	96	101	306
Standard Error		6.1			0.53			1.16			2.97			0.91		

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE III - EASTERN																	
		Bihar									Bihar (3)			Jharkhand			Odisha		
		Pusa			Patna-ICAR			Bikramganj (Dhangain)			Mean			Ranchi			NRRI		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
4101	30045*	78	78	232	83	97	233	82	94	300	81	89	255	87	91	172	87	114	322
4102	31740*	79	101	251	84	122	230	83	111	320	82	111	267	87	99	200	93	115	260
4103	DRRH 4 (HC)	84	100	226	85	132	232	81	120	311	84	117	256	79	111	236	86	114	297
4104	31741*	86	83	223	92	112	244	92	109	270	90	101	246	82	111	214	88	126	260
4105	31757*	84	72	236	85	92	218	85	100	305	85	88	253	83	94	199	86	125	285
4106	31760*	97	74	244	102	93	243	100	100	321	100	89	269	83	95	155	91	123	333
4107	DRR Dhan 54 (NC)	75	87	219	86	116	254	82	120	344	81	108	272	82	112	145	86	123	254
4108	31765*	92	74	232	89	105	259	80	111	296	87	96	262	81	98	142	89	116	326
4110	30919 (H)* (R)	90	81	238	89	117	250	90	100	250	90	100	246	92	98	195	90	121	358
4111	ZC	86	75	221	92	115	261	86	118	258	88	103	247	86	105	176	92	122	357
4112	31747	85	84	236	123	105	250	102	102	275	103	97	254	83	90	141	94	120	314
4113	31768	90	81	230	126	111	210	100	104	320	106	99	253	88	92	167	92	117	316
4114	32612	93	81	256	102	103	275	102	93	234	99	92	255	95	79	174	94	120	303
4115	CR Dhan 201 (NC)	93	85	242	97	96	213	96	92	217	95	91	224	96	80	205	94	124	250
4118	32650 (H)	85	88	238	87	124	243	87	118	259	86	110	247	84	99	224	93	112	292
4120	LC	83	90	237	87	111	220	85	98	241	85	99	233	90	99	214	93	116	276
Experimental Mean		86	83	235	94	109	239	89	105	282	90	99	252	86	97	184	90	119	300
Standard Error		1.13			0.65			0			0.42			0.7			1.69		

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE III - EASTERN												ZONE III - EASTERN (8)		
		Uttar Pradesh												Uttar Pradesh (3)		
		Gorakhpur			Masodha			Varanasi			Mean			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
4101	30045*	79	107	383	76	81	256	80	107	244	78	98	295	82	96	268
4102	31740*	79	111	378	81	86	251	81	123	232	80	106	287	83	108	265
4103	DRRH 4 (HC)	84	133	425	80	86	249	79	128	249	81	116	308	82	115	278
4104	31741*	83	125	412	89	94	256	91	124	244	88	114	304	88	110	265
4105	31757*	78	99	427	92	75	217	84	100	223	85	91	289	85	95	264
4106	31760*	99	105	413	93	79	206	94	104	273	95	96	297	95	97	273
4107	DRR Dhan 54 (NC)	80	118	387	91	101	254	84	142	247	85	120	296	83	115	263
4108	31765*	81	123	380	89	83	231	84	121	245	85	109	285	86	104	264
4110	30919 (H)* (R)	85	127	401	88	93	245	92	128	266	88	116	304	90	108	275
4111	ZC	83	140	411	84	94	256	89	141	270	85	125	312	87	114	276
4112	31747	99	118	387	81	92	230	97	121	236	92	110	284	96	104	259
4113	31768	102	119	378	84	82	227	101	120	257	96	107	287	98	103	263
4114	32612	102	111	389	85	83	281	94	106	243	94	100	305	96	97	269
4115	CR Dhan 201 (NC)	95	104	371	89	84	224	94	104	260	93	98	285	94	96	248
4118	32650 (H)	83	121	379	91	82	244	80	124	259	85	109	294	86	109	267
4120	LC	102	97	403	88	77	249	79	125	231	90	99	295	88	101	259
Experimental Mean		88	116	395	86	85	242	87	119	248	88	107	295	89	104	266
Standard Error		0.56			0.57			0.73			0.37			0.23		

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE I - HILLS			ZONE IV - NORTH EASTERN			OVERALL MEAN (2)		
		Nagaland			Tripura					
		Nagaland			Arundhutinagar					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4103	DRRH 4 (HC)	93	95	246	84	139	558	88	117	402
4107	DRR Dhan 54 (NC)	88	111	252	78	140	549	83	126	400
4109	31775*	90	96	308	82	121	546	86	108	427
4111	ZC	91	108	195	81	130	525	86	119	360
4113	31768	89	106	166	80	129	522	84	117	344
4115	CR Dhan 201 (NC)	91	105	141	81	134	564	86	119	352
4120	LC	91	111	257	82	114	546	86	112	401
Experimental Mean		90	105	223	81	129	544	86	117	384
Standard Error		2.22			0.62			1.13		

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN		
		Tripura		
		@Lembucherra		
		DDF	PH	PAN
4103	DRRH 4 (HC)	88	101	300
4107	DRR Dhan 54 (NC)	94	123	175
4109	31775*	89	94	267
4111	ZC	84	105	342
4113	31768	101	110	317
4115	CR Dhan 201 (NC)	93	96	283
4120	LC	93	117	325
Experimental Mean		91	106	287

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL												ZONE V - CENTRAL		
		Chhattisgarh			Madhya Pradesh						Madhya Pradesh (2)			(3)		
		Raipur			Jabalpur			Rewa			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4103	DRRH 4 (HC)	77	107	143	88	96	278	89	104	319	88	100	299	85	102	247
4104	31741*	84	97	143	93	86	286	86	99	310	90	93	298	88	94	246
4107	DRR Dhan 54 (NC)	79	106	146	86	95	231	89	105	235	87	100	233	84	102	204
4111	ZC	81	106	105	87	101	235	92	98	257	90	99	246	87	101	199
4113	31768	100	102	102	99	91	299	99	75	231	99	83	265	99	89	211
4115	CR Dhan 201 (NC)	96	96	105	96	67	233	95	70	222	95	69	227	96	78	187
4116	32617	97	86	151	97	65	227	96	80	205	96	73	216	96	77	194
4117	32616	83	81	164	91	91	240	88	97	224	89	94	232	87	90	209
4119	32654	85	96	126	93	91	255	90	102	240	92	96	248	89	96	207
4120	LC	77	93	135	85	79	296	87	95	279	86	87	288	83	89	237
Experimental Mean		85	97	132	91	86	258	91	92	252	91	89	255	89	92	214
Standard Error		0.9			0.58			1.56			0.74			0.58		

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL		
		Chhattisgarh		
		@Jagadalpur		
		DDF	PH	PAN
4103	DRRH 4 (HC)	86	76	169
4104	31741*	91	83	191
4107	DRR Dhan 54 (NC)	87	89	226
4111	ZC	91	76	183
4113	31768	105	85	222
4115	CR Dhan 201 (NC)	99	76	162
4116	32617	101	81	203
4117	32616	92	80	211
4119	32654	90	77	173
4120	LC	85	78	189
Experimental Mean		92	80	192

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (2)		
		Gujarat								
		Navasari			Vyra			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4103	DRRH 4 (HC)	82	135	152	86	132	232	84	133	192
4107	DRR Dhan 54 (NC)	82	117	163	87	137	219	85	127	191
4111	ZC	67	83	105	85	119	274	76	101	190
4113	31768	81	134	158	94	122	281	88	128	220
4115	CR Dhan 201 (NC)	84	118	145	98	108	236	91	113	190
4120	LC	84	123	163	74	121	159	79	122	161
Experimental Mean		80	118	147	87	123	233	84	121	191
Standard Error		0.62			1.04			0.48		

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VI - WESTERN					
		Gujarat			Maharashtra		
		@Derol			@Parbhani		
		DDF	PH	PAN	DDF	PH	PAN
4103	DRRH 4 (HC)	69	77	221	86	84	322
4107	DRR Dhan 54 (NC)	79	77	206	86	97	287
4111	ZC	55	79	204	70	87	252
4113	31768	96	68	264	96	69	346
4115	CR Dhan 201 (NC)	91	56	274	98	58	308
4120	LC	58	83	232	94	94	365
Experimental Mean		74	73	233	88	81	313

Table No. 9.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Aerobic, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (2)		
		Karnataka						SOUTHERN (2)		
		Mugad			Mandya			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4103	DRRH 4 (HC)	83	56	251	85	104	561	84	86	447
4107	DRR Dhan 54 (NC)	110	73	276	108	110	612	107	96	490
4111	ZC	86	50	298	113	77	595	101	67	482
4113	31768	84	65	245	110	78	527	100	73	424
4115	CR Dhan 201 (NC)	105	56	205	112	56	476	110	55	379
4120	LC	84	66	288	88	86	536	86	78	444
Experimental Mean		92	61	260	102	85	551	98	76	444
Standard Error		1.82			2.06			2.18		

Table No. 9.4: Grain quality characteristics of entries in AVT 2 & 1 – Aerobic, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1786	4101	30045	78.2	71.4	68.3	6.58	1.93	3.40	LS	A	7.0	26.01	71
1787	4102	31740	79.2	69.2	54.9	6.14	2.47	2.73	LB	VOC	4.0	26.28	45
1788	4103	DRR H-4 (HC)	79.8	72.2	67.9	6.18	2.12	2.91	LB	VOC	4.0	21.29	70
1789	4104	31741	78.9	69.0	60.9	5.65	1.97	2.86	MS	A	4.0	21.14	65
1790	4105	31757	78.9	71.1	69.5	6.68	2.09	3.23	LS	A	7.0	16.77	71
1791	4106	31760	78.4	69.7	66.7	6.71	2.07	3.31	LS	VOC	7.0	22.05	22
1792	4107	DRR Dhan-54 (NC)	77.5	67.8	64.1	6.16	2.29	2.68	LB	VOC	3.0	19.91	22
1793	4108	31765	77.5	66.8	58.1	6.72	1.96	3.42	LS	VOC	4.0	23.76	75
1794	4109	31775	78.9	71.1	69.5	6.44	1.89	3.40	LS	A	4.0	23.58	50
1795	4110	30919(H)	77.2	65.9	59.8	5.37	1.95	2.75	MS	VOC	4.0	27.13	72
1796	4111	MAS-946-1 (ZC)	79.5	72.1	70.7	6.85	2.00	3.42	LS	A	3.0	22.58	28
1797	4112	31747	78.6	70.5	68.5	6.43	2.04	3.15	LS	VOC	4.0	22.46	83
1798	4113	31768	77.0	69.0	64.4	6.45	2.18	2.95	LB	VOC	4.0	27.66	67
1799	4114	32612	78.9	71.2	67.8	6.86	2.03	3.37	LS	VOC	4.0	22.9	65
1800	4115	CR Dhan-201 (NC)	79.9	70.8	68.4	6.23	2.33	2.71	LB	VOV	7.0	26.13	22
1801	4116	32617	78.4	68.3	67.5	5.09	1.94	2.62	MS	A	4.0	22.03	56
1802	4117	32616	-	-	-	-	-	-	-	-	-	-	-
1803	4118	32650 (H)	79.7	71.2	67.9	6.24	2.26	2.76	LB	VOC	4.0	27.60	68
1804	4119	32654	-	-	-	-	-	-	-	-	-	-	-
1805	4120	LC	-	-	-	-	-	-	-	-	-	-	-
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL – AEROBIC (IVT-Aerobic)

Locations: 26

Test Entries: 60

Checks: **National: DRR Dhan 54, CR Dhan 201; Zonal: CR Dhan 202 (Northern, Eastern, North Eastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern), and Local Check** **Table: 10**

Initial Variety Trial (IVT) – Aerobic was constituted with 60 test entries and 4 checks namely DRR Dhan 54, CR Dhan 201 (National); CR Dhan 202 – Northern, Eastern, North Eastern, Central (Zonal), AAUD R-1 (Western), MAS 946-1 (Southern), and Local Check. The trial was sent to 26 locations however, data was not received from 2 locations namely Ranchi and Hazaribagh. Data from Nagaland, Pusa, Sabour, Gorakhpur, Arundhutinagar, Jagdalpur, Derol, Vyara were excluded from analysis on the basis of low experimental mean, low CV and/ or non-significant F value. Data from rest of the centers were included in the analysis and is presented in the Table.

Zones	II	III	IV	V	VI	VII
Range : Zonal mean (Kg/ha)	2050 (IET 33670)- 5661 (IET 33667)	2791 (IET 33655) – 5672 (IET 33626)	2688 (IETs 33643, 33654, 33676) – 6812 (IET 33675)	2044 (IET 33655) – 5846 (IET 33654)	1951 (IET 33656) – 5189 (IET 33674)	2606 (IET 33640) – 6116 (IET 33657)
Exp Mean (Kg/ha)	3402 (KRL) - 4522 (KUL)	2906 (PTN) – 6050 (VRN)	4461 (LMB)	3422 (REW) – 4697 (JBP)	3694 (PBN) – 4326 (NVS)	3262 (MND)- 4787 (MGD)
CV%	5.11 (KRL)- 12.49 (LDN)	11.35 (CTK) – 18.66 (MSD)	19.93 (LMB)	11.7 (JBP)- 13.94 (RPR)	6.71 (PBN) – 11.85 (NVS)	8.85 (MGD) – 10.5 (MND)
DDF	68 (IET 33655)- 108 (IET 33681)	75 (IET 33656)- 106 (IET 33675)	96 (IET 33622) - 116 (IETs 33626/ 33665)	75 (IET 33655)- 106 (IET 33662)	78 (ZC)- 101 (NC, IET 33663)	82 (IETs 33655, 33656, 33665) - 112 (IET 33674)
PH (cm)	61 (IET 33662)- 123 (IET 33644)	86 (IET 33675)- 128 (IET 33656)	82 (IET 33648)- 138 (IET 33640)	83 (IET 33627)- 120 (IET 33644)	67 (IET 33640)- 101 (IET 33655)	54 (IETs 33640, 33652) - 99 (IETs 33644, 33678)
Pan/m ²	177 (IET 33681)- 412 (IET 33639)	210 (IET 33670)- 298 (IET 33653)	175 (IET 33657)- 562 (IET 33675)	176 (IET 33656) - 281 (ZC)	177 (IET 33670)- 268 (IETs 33661, 33637)	316 (IET 33670)- 548 (IET 33661)
DNI [@] (Data not included)	NS: NLD	LCV: PSA, LEM: SBR, LEM : GRK	LEM: ARD	NS: JDP	LEM: DRL, LEM : VYR	
Locations considered	3	5	1	3	2	2

[@]DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

Table: Performance of the entries with required significant yield superiority over checks in IVT Aerobic during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Promoted
	II	III	IV	V	VI	VII	
IET 33667 CR 6533-22-1 (Jaya*Swarna Sub-1/IRBB 60)	5661 (1)*	5214 (4)*	--	--	4901 (4)*	--	II, III, VI
IET 33642 R-IR 18A1072 (IR 10 N305 *BRRI DHAN 55)	5475 (2)*	5582 (2)*	--	5443 (5)*	--	--	II, III, V
IET 33677 RP SLK S372 (PR126*IR163)	5430 (3)*	--	--	--	--	--	II
IET 33626 NVSR-1437 (GNR-5*IET-25471)*GNR-5	5349 (4)*	5672 (1)*	--	5411 (6)*	--	--	II, III, V
IET 33628 NVSR-3777 (NVSR 2310*NVSR 2115)	--	5536 (3)*	--	--	--	--	III
IET 33651 BRR-2246 (SARJOO 52 *IRRI-119*2*BPT 5204)	--	5114 (5)*	--	--	--	--	III
IET 33644 RCPR 111 (IR 64*IR 55419-04)	--	5054 (6)*	--	--	4758 (8)*	--	III, VI
IET 33652 BRR-2245 (BPT 5204 * TI-128 (EMS mutant of Samba Mahsuri)	--	5035 (7)*	--	--	--	--	III
IET 33633 IR24IN1199 (BRR0305) DRR Dhan44*2*LALKA DHAN	--	5031 (8)*	--	--	--	--	III
IET 33675 RP 6875-JBB-FBL-19484-B-1 WGL14*2///WGL14/RATHUHEENATI //WGL/ISM	--	--	6812 (1)*	--	--	--	IV
IET 33654 HURS 25-6 (IR12M1 12*IR03A568)	--	--	--	5846 (1)*	4772 (7)*	--	V, VI
IET 33635 IR127361-196-2-1-B (IR 83927-B-B-278-CRA 1-1 *VARADHAN	--	--	--	5671 (2)*	--	--	V
IET 33625 NVSR-1558 (IET-25453*IET-25478)	--	--	--	5599 (3)*	--	--	V
IET 33650 PAU 8643-3-1-1 (RYT 4208) (HHZ17-DT6-SAL3-DT1/PAU 5187-RIL1649**PR 126)	--	--	--	5525 (4)*	--	--	V
IET 33674 RP 6880-JBM 408-5-1-1-1 (SAMBA MAHSURI / RP PATHO-2**WGL 14	--	--	--	--	5189 (1)*	--	VI

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IET 33661 CRAC-4424-31-1 (DOUBLED HAPLOID OF 8433DT)	--	--	--	--	5047 (2)*	--	VI
IET 33634 IR127335-946-2-B-B (JR 32) MTU1010/IR 84899-B-185-16-1-1-1	--	--	--	--	4938 (3)*	--	VI
IET 33646 IR144564-3-47-1-1-B (SHAUTS DHAN 8) IR 91648-B-89-B/IR 144557	--	--	--	--	4810 (5)*	5325 (5)*	VI, VII
IET 33671 RNR 35119 (JGL 24423*MTU 1156	--	--	--	--	4804 (6)*	--	VI
IET 33640 NDR 2025-3-CP-01 (HUBR-10-9*NDR 359)	--	--	--	--	4741 (9)*	--	VI
IET 33632 IR22MD2130 (IR09A228*IR16A1111	--	--	--	--	4714 (10) *	--	VI
IET 33657 MSAC 14-11-22 BPT 5204*Sahabhagidhan	--	--	--	--	--	6116 (1)*	VII
IET 33658 MSAC-IR 144565-4-37-1-1-B IR91648-b-89-b/IR144559	--	--	--	--	--	5828 (2)*	VII
IET 33645 RCPR 112-IR 18R 118 SUPA/3*IRRI154	--	--	--	--	--	5372 (3)*	VII
IET 33656 KMP-262 (KMP-175*DHMAS-70Q- 164-1B)-7	--	--	--	--	--	5348 (4)*	VII
DRR Dhan 54 (NC)	4430	4534	4525	4726	3014	3430	
CR Dhan 201 (NC)	4846	4298	4150	3817	3155	3004	
Zonal Check (ZC)	4533	3936	4150	4584	3181	4434	
Local Check (LC)	4916	4132	4750	4331	4078	4753	
CD	395	491	1777	555	562	532	
BC+CD	5311	4623	6527	4886	4640	5285	

SUMMARY

INITIAL VARIETY TRIAL - Aerobic (IVT - Aerobic) - *kharif* 2025

Locations: 26

Test entries: 60

Checks: DRR Dhan 54, CR Dhan 201 (National); CR Dhan 202 – Northern, Eastern, North Eastern, Central (Zonal), AAUDR1 (Western), MAS 946-1 (Southern), and Local Check

List of the entries promoted from IVT to AVT 1

Zone II: IET 33667, IET 33642, IET 33677, IET 33626

Zone III: IET 33626, IET 33642, IET 33628, IET 33667, IET 33651, IET 33644, IET 33652, IET 33633

Zone IV: IET 33675

Zone V: IET 33654, IET 33635, IET 33625, IET 33650, IET 33642, IET 33626

Zone VI: IET 33674, IET 33661, IET 33634, IET 33667, IET 33646, IET 33671, IET 33654, IET 33644, IET 33640, IET 33632

Zone VII: IET 33657, IET 33658, IET 33645, IET 33656, IET 33646

Table No. 10.1: Composition of entries in Initial Variety Trial – Aerobic (IVT – Aerobic), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	GT
4201	33622	RCPL 1-482	RCPL 1-35/Pusa44/N-122	MB
4202	33623	TRC 2025-1	Tripura Nirog/TRC 87-251	MS
4203	33624	TRC 2025-10	Tripura Jala/Naveen	LS
4204	33625	NVSR-1558	IET-25453XIET-25478	LB
4205	33626	NVSR-1437	(GNR-5XIET-25471)XGNR-5	LB
4206	33627	NVSR-4016	NVSR 2233XNVSR 2528	LS
4207	33628	NVSR-3777	NVSR 2310XNVSR 2115	LB
4208	33629	IR 19A8610	IR 15A2401/IR 13N157	LS
4209	33630	IR 19A8130	IR 12A311/IRRI 175	LS
4210	33631	IR22MD2060	IR09A228/IR16A3082	LS
4211	33632	IR22MD2130	IR09A228/IR16A1111	LS
4212	33633	IR24IN1199 (BRR0305)	DRR Dhan 44*2/LALKA DHAN	LS
4213	33634	IR127335-946-2-B-B(JR 32)	MTU 1010/IR 84899-B-185-16-1-1-1	LS
4214	DRR Dhan 54 (National Check)			
4215	33635	IR127361-196-2-1-B	IR 83927-B-B-278-CRA 1-1/VARADHAN	SB
4216	33636	IR144562-1-37-1-1-B	MTU 1010/IR 144557	LS
4217	33637	NWGR-19239	GAR 13 X Pusa 1121/4-3-1-1	LS
4218	33638	CRD IR Dhan 7		LS
4219	33639	RPCAU 21-32	Rajendra Nilam x Vandana	LS
4220	33640	NDR 2025-3-CP-01	HUBR-10-9/NDR 359	LS
4221	33641	R 2756-27-1	CR Dhan-304 X OR2529-1	LS
4222	33642	R -IR 18A1072	IR 10N305 X BRRI Dhan 55	LS
4223	33643	CRR 843-IR129477-1629-14-1-4-2	IR09N538/IR 93312-30-101-20-3-66-6// IR09N538/IR11101 ///IR09N538/TADUKAN//IR09N538/RATHUHEE NATHI/4/IR09N538/ABHAYA//IR09N538/IR BB 60 (IR72920-1-44-4)//IR09N538/IR 94225-B-82- B//IR09N538/IR94226-B-177- B/5//IR09N538/WHI IS-75-1-127//IR09N538/IR 96322-34-223-B//IR09N538/IR 91648-B-32-B	LS
4224	33644	RCPR 111	IR 64/IR 55419-04	LS
4225	CRDhan202 (Northern, Eastern, North Eastern, Central); AAUD R-1(Western), MAS 946-1(Southern) (ZC)			
4226	33645	RCPR 112-IR 18R 118	SUPA/3*IRRI 154	LS
4227	33646	IR144564-3-47-1-1-B(SHUATS DHAN 8)	IR 91648-B-89-B/IR 144557	LS
4228	33647	IR144565-2-32-1-1-B	IR 91648-B-89-B/IR 144559	LS
4229	33648	IR144573-70-3-B-1 (CR 6525)	MTU 1010*3/IR 144557	LB
4230	33649	PAU 9556-8-37-2 (RYT 4214)	PR 126/RYT 4053//PR 126	LS
4231	33650	PAU 8643-3-1-1 (RYT 4208)	HHZ17-DT6-SAL3-DT1/PAU 5187-RIL1649//PR 126	LS
4232	33651	BRR-2246	Sarjoo 52 / IRRI-119*2/BPT5204	LS
4233	33652	BRR-2245	BPT 5204 * TI-128/EMS Mutant of Sambha	MS
4234	33653	HURS 25-5	NDR-97/Nagina-22	MS
4235	33654	HURS 25-6	IR12M112/IR03A568	LS
4236	33655	KMP-259	(KMP-175 X DHMAS-70Q-164-1b)-4	MS

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4237	33656	KMP-262	(KMP-175 X DHMAS-70Q-164-1b)-7	MS
4238	33657	MSAC 14-11-22	BPT 5204 X Sahbhagidhan	LS
4239	33658	MSAC-IR 144565-4-37-1-1-B	IR 91648-b-89-b/IR 144559	LS
4240	33659	CRHR 196	Hybrid	MS
4241	33660	CRAC-4423-49	Doubled Haploid of F1s (Savitri x Pokkali)	MB
4242	33661	CRAC- 4424-31-1	Doubled Haploid of 8433DT	MS
4243	33662	CR-4533-2-1-1-B	CR Dhan 802/IET -28692//CR Dhan 203	SB
4244	33663	CR 4073-1339-2-3-4-5-2-3	IET 22296 x RR 2-6	LS
4245	33664	CR4383-RGA-60-4	C745-3-1-1-1-1 x IET27218 / Annada	MB
4246	33665	CR 4442-3-4-2-1	MTU 1010/ Tapaswini MAS	LS
4247	33666	CR 6530-1-1-5-1-1	CR Dhan 328/ CR 6382-1	MS
4248		CR Dhan 201 (NC)	National Check	
4249	33667	CR 6533-22-1	Jaya*Swarna Sub-1/IRBB 60	SB
4250	33668	CR 3745-3-2-1-2-1-1-1	Pooja /Lalat	MS
4251	33669	CR 3785 -1-1-1-1-4-1	Surendra/Ratna	MB
4252	33670	CR6542-143	bhalum-2 X N22	MB
4253	33671	RNR 35119	JGL 24423 X MTU 1156	MS
4254	33672	RNR 51436	{(ISM 390-4 X JGL 13595) X (HMT Sona X BPT Pi1,Pi2)}	LS
4255	33673	CSR 2023-11-60-32	IRRI 154 X CSR 26	LS
4256	33674	RP 6880-JBM 408-5-1-1-1	Samba Mahuri/RP Patho-2//WGL 14	MS
4257	33675	RP 6875-JBB-FBL-19484-B-1	WGL 14*2//WGL 14/Rathuheenati//WGL 14/ISM	MS
4258	33676	RP SLK S235	IRRI163/MTU1121	LB
4259	33677	RP SLK S372	PR126/IR163	LB
4260	33678	RP 6735 KS-60	T1-56 X BPT-5204	MS
4261	33679	RP 6903 MT-82	BPT-5204 X T1-140	MB
4262	33680	RP5506-KS2202-28	Swarna/IRGC26940//MTU1081	LS
4263	33681	RP5791- KS2202-052	APMS 6B/IRGC69708////APMS 6B//SM/ACC 1047856///APMS6B	MS
4264		Local Check		

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Table No. 10.2: Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN								ZONE II - NORTHERN (3)		ZONE III - EASTERN	
		Haryana				Haryana (2)		Punjab		Mean		Bihar	
		Karnal		Kaul		Mean		Ludhiana		Mean		Bikramganj (Dhangain)	
4201	33622	2050		3100		2575		2869		2673		4816	
4202	33623	2550		3450		3000		5398	8	3799		4642	
4203	33624	2250		3050		2650		4489		3263		6444	5
4204	33625	2500		3550		3025		2933		2994		5260	
4205	33626	5850	3*	5700	9	5775	2*	4496		5349	4*	7034	1*
4206	33627	5650	6*	4750		5200		2188		4196		4264	
4207	33628	3950		3650		3800		4318		3973		6463	4
4208	33629	3000		3350		3175		4751		3700		5341	
4209	33630	3150		2950		3050		5625	4	3908		5328	
4210	33631	3150		3250		3200		4460		3620		6406	6
4211	33632	2300		3150		2725		5469	6	3640		6312	7
4212	33633	5000	*	6200	2	5600	5*	3516		4905		5078	
4213	33634	2600		5150		3875		5185		4312		5090	
4214	DRR Dhan 54 (NC)	4400		4650		4525		4240		4430		5234	
4215	33635	3900		3350		3625		4830		4027		5266	
4216	33636	3150		5500		4325		3210		3953		4530	
4217	33637	2250		5650	10	3950		2415		3438		5148	
4218	33638	3650		6100	4	4875		5412	7	5054	6	5302	
4219	33639	5450	8*	5200		5325	10*	2493		4381		4499	
4220	33640	2250				2250		3395		2822		4901	
4221	33641	3850		3600		3725		5135		4195		6083	10
4222	33642	4900	*	6000	6	5450	7*	5526	5	5475	2*	6247	8
4223	33643	3350		5200		4275		4041		4197		4878	
4224	33644	5300	9*	5300		5300		3857		4819		5137	
4225	ZC	4300		5450		4875		3849		4533		5105	
4226	33645	4800	*	6300	1	5550	6*	3750		4950	9	4727	
4227	33646	2750		3500		3125		3224		3158		4233	
4228	33647	3800		5900	7	4850		4134		4611		4912	
4229	33648	1800		3850		2825		2741		2797		4377	
4230	33649	2000		3250		2625		2621		2624		5345	
4231	33650	3000		4650		3825		5852	2	4501		5186	
4232	33651	3450		5400		4425		5050		4633		4603	
4233	33652	2400		3450		2925		4375		3408		5303	
4234	33653	3700		5600		4650		3416		4239		3848	
4235	33654	2300		5400		3850		6768	1*	4823		5483	
4236	33655	2700				2700		1868		2284		3160	
4237	33656	2300				2300		2923		2611		3682	
4238	33657	2250		3100		2675		4261		3204		5213	
4239	33658	5650	6*	5650		5650	3*	3835		5045	7	4986	
4240	33659	4050		3450		3750		5185		4228		5094	
4241	33660	2300		3200		2750		1726		2409		4148	
4242	33661	1750		4950		3350		1392		2697		4260	
4243	33662	1800		5300		3550				3550		4767	
4244	33663	1750		4750		3250				3250		6593	3*
4245	33664	2600		3300		2950		3722		3207		4855	
4246	33665	5750	4*	4950		5350	9*	4219		4973	8	3424	
4247	33666	2100				2100		3864		2982		5386	
4248	CR Dhan 201 (NC)	4250		5850	8	5050		4439		4846		4505	
4249	33667	5150	10*	6150	3	5650	3*	5682	3	5661	1*	6615	2*
4250	33668	1900		3500		2700		3643		3014		3574	
4251	33669	2500		5050		3775		4865		4138		5469	
4252	33670	2050				2050				2050		3468	
4253	33671	2600				2600		4872		3736		6221	9
4254	33672	4050		4550		4300		2536		3712		4614	
4255	33673	5950	1*	6050	5	6000	1*	3189		5063	5	4567	
4256	33674	3100				3100				3100			
4257	33675			3100		3100		3487		3294			
4258	33676	5700	5*	3300		4500		4787		4596			
4259	33677	5950	1*	4950		5450	7*	5391	9	5430	3*		
4260	33678	3400		4000		3700		4531		3977			
4261	33679	2800				2800		2997		2899			
4262	33680	3400		4400		3900		5114		4305			
4263	33681	1750		3700		2725				2725			
4264	LC	4000		5400		4700		5348	10	4916	10		
Experimental Mean		3402		4522		3832		4066		3895		5044	
CD(0.05)		347		481		269		1017		395		1309	
CV(%)		5.11		5.31		3.51		12.49		5.08		12.94	
F val		109.64**		40.9**		134.13**		10.44**		41.01**		3.52**	
DOS		07-07-2025		18-06-2025				12-06-2025				Direct sowing	
DOP								12-06-2025				09-07-2025	
Local Check Name		CSR 105		HKR 49				PR126				Sabour Narendra	

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Table No. 10.2 (Contd.): Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar		Bihar (2)		Odisha		Uttar Pradesh				Uttar Pradesh (2)	
		Patna-ICAR		Mean		NRRI		Masodha		Varanasi		Mean	
4201	33622	1270		3043		5505	1	2527		5699		4113	
4202	33623	2550		3596		4727		3338		4465		3902	
4203	33624	2290		4367		3709		2593		8731	3	5662	9
4204	33625	850		3055		3714		4588	1	5946		5267	
4205	33626	4820	8*	5927	3*	3429		3803		9271	2*	6537	1
4206	33627	2590		3427		4375		3524		4771		4147	
4207	33628	5710	3*	6087	1*	4675		3324		7509		5417	
4208	33629	3050		4195		4774		2726		4430		3578	
4209	33630	1280		3304		3399		3324		8002	10	5663	8
4210	33631	630		3518		5026	3	3324		5570		4447	
4211	33632	680		3496		3797		3258		5558		4408	
4212	33633	4160		4619		5125	2	3930	10	6863		5396	
4213	33634	4930	6*	5010	7	4814	10	2394		6522		4458	
4214	DRR Dhan 54 (NC)	3550		4392		4592		2793		6498		4645	
4215	33635	520		2893		4066		3723		5135		4429	
4216	33636	4790	9*	4660		4540		3790		4407		4098	
4217	33637	4410		4779	8	4820	9	4009	8	4066		4038	
4218	33638	4060		4681		3919		1602		7356		4479	
4219	33639	2610		3555		4891	8	2061		4289		3175	
4220	33640	2710		3806		4967	4	1403		5805		3604	
4221	33641	970		3527		3720		1862		6463		4162	
4222	33642	5830	2*	6038	2*	3686		3936	9	8214	8	6075	4
4223	33643	2500		3689		3803		3524		6968		5246	
4224	33644	5090	5*	5113	6*	4897	7	3258		6886		5072	
4225	ZC	1550		3328		4926	6	3318		4783		4050	
4226	33645	4550		4639		4247		3145		7838		5491	
4227	33646	2130		3182		3744		2806		4524		3665	
4228	33647	4290		4601		4609		3391		6451		4921	
4229	33648	2120		3249		3896		2593		6240		4416	
4230	33649	2310		3828		3785		4322	2	8578	4	6450	2
4231	33650	2140		3663		3791		3191		8425	6	5808	6
4232	33651	4290		4447		3837		4322	2	8519	5	6421	3
4233	33652	5930	1*	5617	4*	3762		4056	6	6122		5089	
4234	33653	5460	4*	4654		3773		3870		6980		5425	
4235	33654	840		3162		3755		3125		8049	9	5587	
4236	33655	390		1775		4206		2992		3208		3100	
4237	33656	2180		2931		4504		3191		3431		3311	
4238	33657	1400		3307		3931		2633		4853		3743	
4239	33658	4390		4688	10	4119		3524		3925		3724	
4240	33659	1050		3072		3990		3677		6251		4964	
4241	33660	2990		3569		4264		1882		4947		3414	
4242	33661	2680		3470		3744		2573		4841		3707	
4243	33662	4660	10	4713	9	3633		1536		5805		3670	
4244	33663	300		3447		4376		2527		6087		4307	
4245	33664	1520		3187		3451		3125		4806		3966	
4246	33665	3390		3407		3802		3690		5852		4771	
4247	33666	2890		4138		4399		2793		9307	1*	6050	5
4248	CR Dhan 201 (NC)	2290		3398		3439		3723		7532		5628	10
4249	33667	3940		5277	5*	4001		4122	5	7391		5757	7
4250	33668	2850		3212		3639		3597		5088		4343	
4251	33669	890		3179		3813		3191		6075		4633	
4252	33670	4920	7*	4194		4480		3231		3937		3584	
4253	33671	1230		3726		4687		3291		7344		5318	
4254	33672	3600		4107		3813		4056	7	4630		4343	
4255	33673	4390		4478		3498		3471		4771		4121	
4256	33674	4110		4110		4370		931		3772		2351	
4257	33675	150		150		3592		1569		6769		4169	
4258	33676	3840		3840		4938	5	3191		6345		4768	
4259	33677	4370		4370		4423		3378		3984		3681	
4260	33678	4390		4390		3663		4169	4	3208		3688	
4261	33679	1540		1540		3756		1995		8331	7	5163	
4262	33680	1090		1090		3908		3324		7215		5270	
4263	33681	3080		3080		4001		1130		6592		3861	
4264	LC	4020		4020		4265		3271		4971		4121	
Experimental Mean		2906		3828		4153		3102		6050		4576	
CD(0.05)		690		674		942		1157		1574		920	
CV(%)		11.89		8.81		11.35		18.66		13.02		10.06	
F val		42.89**		19.77**		2.34**		4.02**		8.08**		7.89**	
DOS		19-06-2025				25-06-2025		24-07-2025		28-06-2025			
DOP		Direct seeded condition											
Local Check Name		Rajendra Bhagwati				CR Dhan 212		IR 64-Sub 1		MMSD-1			

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Table No. 10.2 (Contd.): Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025

Entry No	IET No	ZONE III - EASTERN (5)		ZONE IV - NORTH EASTERN		ZONE V - CENTRAL					
		Mean		Tripura		Chhattisgarh		Madhya Pradesh			
				Lembucherra		Raipur		Rewa		Jabalpur	
4201	33622	3963		3812		1929		2604		3457	
4202	33623	3944		4562		4054		2467		4654	
4203	33624	4754		4538		4260		1888		5519	
4204	33625	4072		4062		5564		6445	2*	4787	
4205	33626	5672	1*	4162		4103		4883		7247	1
4206	33627	3905		2962		4176		3320		3391	
4207	33628	5536	3*	3125		7102	3	1107		5519	
4208	33629	4064		4312		6519	4	2409		3059	
4209	33630	4267		4025		4225		5729	5*	4654	
4210	33631	4191		4875		4560		4688		2859	
4211	33632	3921		5550	4	4360		5664	7*	4388	
4212	33633	5031	8*	5488	7	7105	2	2865		4056	
4213	33634	4750		6225	3	5444		3711		4721	
4214	DRR Dhan 54 (NC)	4534		4525		4140		3255		6782	5
4215	33635	3742		5325		5142		4622		7247	1
4216	33636	4411		5200		4271		4232		5186	
4217	33637	4491		5462	8	2629		2474		3923	
4218	33638	4448		5338	10	4354		6185	3*	3923	
4219	33639	3670		5500	5	4824		4102		3125	
4220	33640	3957		3612		3745		1497		4388	
4221	33641	3820		5412	9	3462		3581		4854	
4222	33642	5582	2*	6375	2	6468	5	5273	9	4588	
4223	33643	4334		2688		2391		5208	10	5053	
4224	33644	5054	6*	4538		5394		3125		4721	
4225	ZC	3936		4150		6267	6	4427		3059	
4226	33645	4901	10	4700		5668		4753		2394	
4227	33646	3487		4012		3211		4102		3657	
4228	33647	4731		4800		3051		4167		4189	
4229	33648	3845		3750		2996		2539		5120	
4230	33649	4868		5150		2215		4818		3989	
4231	33650	4547		4538		7553	1*	4102		4920	
4232	33651	5114	5*	3562		4548		3646		3657	
4233	33652	5035	7*	4100		5318		3451		2460	
4234	33653	4786		4600		2968		2018		6383	7
4235	33654	4251		2688		4194		7161	1*	6184	
4236	33655	2791		3938		486		3451		2194	
4237	33656	3398		3188		904		3255		1995	
4238	33657	3606		3875		2701		5729	5*	6051	
4239	33658	4189		4150		4325		5859	4*	4056	
4240	33659	4012		4050		2808		5404	8*	5851	
4241	33660	3646		5288		2806		1302		4388	
4242	33661	3620		4125		3192		358		4189	
4243	33662	4080		4275		5231		260		5186	
4244	33663	3977		5225		5333		267		3856	
4245	33664	3551		5125		5901	10	5078		4588	
4246	33665	4032		4500		2918		3646		5652	
4247	33666	4955	9	4562		4385		4362		6715	6
4248	CR Dhan 201 (NC)	4298		4150		4614		586		6250	8
4249	33667	5214	4*	4700		6252	7	3776		4721	
4250	33668	3750		4400		3858		2083		6184	10
4251	33669	3888		3712		2909		3190		6250	8
4252	33670	4007		4512		2518		2279		6915	4
4253	33671	4555		4075		2749		2279		5918	
4254	33672	4143		4488		3561		2865		4388	
4255	33673	4139		4425		6221	8	4883		3989	
4256	33674	3296		4062		3161		260		3191	
4257	33675	3020		6812	1*	1508		326		4920	
4258	33676	4579		2688		5085		3255		3790	
4259	33677	4038		4625		5427		3581		4322	
4260	33678	3857		5500	5	3365		3451		7181	3
4261	33679	3906		4625		4796		1628		5652	
4262	33680	3884		4088		3480		4883		5652	
4263	33681	3701		3875		1901		326		5253	
4264	LC	4132		4750		5959	9	3841		3191	
Experimental Mean		4217		4461		4165		3422		4697	
CD(0.05)		491		1777		1160		866		1098	
CV(%)		5.83		19.93		13.94		12.66		11.7	
F val		11.74**		1.78*		13.97**		30.63**		11.07**	
DOS				10-07-2025		25-06-2025		08-07-2025		21-06-2025	
DOP											
Local Check Name				TRC 2015-5		Indira Aerobic-1		MTU 1010		JR 206	

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Table No. 10.2 (Contd.): Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025

Entry No	IET No	ZONE V - CENTRAL		ZONE V -		ZONE VI - WESTERN				ZONE VI -	
		Madhya Pradesh (2)		CENTRAL (3)		Gujarat		Maharashtra		WESTERN (2)	
		Mean		Mean		Navasari		Parabhani		Mean	
4201	33622	3031		2663		4952		4000	*	4476	
4202	33623	3561		3725		5321		3400		4361	
4203	33624	3703		3889		4500		4100	*	4300	
4204	33625	5616	6	5599	3*	4792		3400		4096	
4205	33626	6065	2*	5411	6*	2875		4300	*	3588	
4206	33627	3356		3629		2631		3250		2940	
4207	33628	3313		4576		3911		4900	2*	4405	
4208	33629	2734		3995		3167		3600		3383	
4209	33630	5192	10	4869		5530	9	3450		4490	
4210	33631	3773		4036		4310		4200	*	4255	
4211	33632	5026		4804		5077		4350	8*	4714	10*
4212	33633	3460		4675		5125		3650	*	4388	
4213	33634	4216		4625		5375		4500	6*	4938	3*
4214	DRR Dhan 54 (NC)	5019		4726		3179		2850		3014	
4215	33635	5935	3*	5671	2*	2476		3300		2888	
4216	33636	4709		4563		2619		4050	*	3335	
4217	33637	3198		3009		3637		3650	*	3643	
4218	33638	5054		4821		5482	10	3300		4391	
4219	33639	3613		4017		5625	6	3600		4612	
4220	33640	2943		3210		5732	4	3750	*	4741	9*
4221	33641	4217		3966		3935		3650	*	3792	
4222	33642	4931		5443	5*	4310		5100	1*	4705	*
4223	33643	5131		4218		3405		4350	8*	3877	
4224	33644	3923		4413		5667	5	3850	*	4758	8*
4225	ZC	3743		4584		5012		1350		3181	
4226	33645	3573		4271		3179		3600		3389	
4227	33646	3879		3656		5119		4500	6*	4810	5*
4228	33647	4178		3802		4863		3750	*	4307	
4229	33648	3829		3552		3119		3750	*	3435	
4230	33649	4404		3674		5244		2900		4072	
4231	33650	4511		5525	4*	4042		4050	*	4046	
4232	33651	3651		3950		5458		3650	*	4554	
4233	33652	2955		3743		5583	8	3500		4542	
4234	33653	4201		3790		5917	2	3500		4708	*
4235	33654	6672	1*	5846	1*	5244		4300	*	4772	7*
4236	33655	2822		2044		4661		1400		3030	
4237	33656	2625		2051		2601		1300		1951	
4238	33657	5890	4*	4827		5298		2000		3649	
4239	33658	4958		4747		5274		3850	*	4562	
4240	33659	5627	5	4688		4030		3950	*	3990	
4241	33660	2845		2832		4720		3700	*	4210	
4242	33661	2273		2580		5244		4850	3*	5047	2*
4243	33662	2723		3559		5417		3650	*	4533	
4244	33663	2062		3152		2506		3450		2978	
4245	33664	4833		5189	7	2744		3750	*	3247	
4246	33665	4649		4072		2101		4850	3*	3476	
4247	33666	5539	7	5154	8	4524		3650	*	4087	
4248	CR Dhan 201 (NC)	3418		3817		3310		3000		3155	
4249	33667	4248		4916	10	5601	7	4200	*	4901	4*
4250	33668	4133		4041		2595		3750	*	3173	
4251	33669	4720		4116		4381		4050	*	4215	
4252	33670	4597		3904		2726		3050		2888	
4253	33671	4098		3648		4857		4750	5*	4804	6*
4254	33672	3626		3605		2458		4150	*	3304	
4255	33673	4436		5031	9	4548		4300	*	4424	
4256	33674	1726		2204		6077	1*	4300	*	5189	1*
4257	33675	2623		2251		5435		3000		4217	
4258	33676	3523		4043		3405		3400		3402	
4259	33677	3951		4443		3238		4150	*	3694	
4260	33678	5316	8	4665		3756		3950	*	3853	
4261	33679	3640		4025		2679		4350	8*	3514	
4262	33680	5267	9	4671		5815	3	3550		4683	*
4263	33681	2789		2493		5446		3500		4473	
4264	LC	3516		4331		5006		3150		4078	
Experimental Mean		4059		4094		4326		3694		4010	
CD(0.05)		629		555		1025		495		562	
CV(%)		7.75		6.78		11.85		6.71		7.01	
F val		22.61**		21.36**		9.96**		18.87**		11.86**	
DOS						08-07-2025		28-06-2025			
DOP						08-07-2025					
Local Check Name						GAR-201		Avishkar			

Table No. 10.2 (Contd.): Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (2)	
		Karnataka			Karnataka (2)			SOUTHERN (2)	
		Mugad		Mandya		Mean		Mean	
4201	33622	5113	10	1299		3206		3206	
4202	33623	4669		3683		4176		4176	
4203	33624	4917		3076		3996		3996	
4204	33625	4957		2475		3716		3716	
4205	33626	4490		2923		3706		3706	
4206	33627	4502		2138		3320		3320	
4207	33628	5061		1795		3428		3428	
4208	33629	4499		2494		3497		3497	
4209	33630	4846		4038		4442		4442	
4210	33631	4845		2102		3473		3473	
4211	33632	4587		1998		3292		3292	
4212	33633	4418		3168		3793		3793	
4213	33634	4619		2549		3584		3584	
4214	DRR Dhan 54 (NC)	4464		2396		3430		3430	
4215	33635	4388		4369		4379		4379	
4216	33636	5739	3*	3462		4601	10	4601	10
4217	33637	4374		2016		3195		3195	
4218	33638	4534		4534	8	4534		4534	
4219	33639	5020		3646		4333		4333	
4220	33640	4355		858		2606		2606	
4221	33641	4501		3266		3883		3883	
4222	33642	5304	7	3419		4361		4361	
4223	33643	4697		3848		4272		4272	
4224	33644	4963		4148		4556		4556	
4225	ZC	4382		4485	10	4434		4434	
4226	33645	4862		5882	5*	5372	3*	5372	3*
4227	33646	4756		5895	4*	5325	5*	5325	5*
4228	33647	5121	9	3468		4294		4294	
4229	33648	5158	8	2402		3780		3780	
4230	33649	4325		1893		3109		3109	
4231	33650	4820		3205		4012		4012	
4232	33651	4548		2763		3656		3656	
4233	33652	4460		2034		3247		3247	
4234	33653	4454		2623		3538		3538	
4235	33654	4719		2586		3652		3652	
4236	33655	4472		3719		4096		4096	
4237	33656	4758		5938	3*	5348	4*	5348	4*
4238	33657	6871	1*	5362	6	6116	1*	6116	1*
4239	33658	4886		6771	1*	5828	2*	5828	2*
4240	33659	5317	5	4295		4806	8	4806	8
4241	33660	4337		2230		3283		3283	
4242	33661	4616		3499		4057		4057	
4243	33662	5074		2439		3757		3757	
4244	33663	5306	6	3235		4271		4271	
4245	33664	4435		2727		3581		3581	
4246	33665	5372	4	3278		4325		4325	
4247	33666	5023		2512		3768		3768	
4248	CR Dhan 201 (NC)	4710		1299		3004		3004	
4249	33667	5046		3983		4514		4514	
4250	33668	4653		2825		3739		3739	
4251	33669	4665		1808		3236		3236	
4252	33670	5010		3266		4138		4138	
4253	33671	4590		2953		3772		3772	
4254	33672	4592		3578		4085		4085	
4255	33673	6047	2*	4314		5181	7	5181	7
4256	33674	4899		3223		4061		4061	
4257	33675	4556		1605		3081		3081	
4258	33676	4271		6152	2*	5212	6	5212	6
4259	33677	4452		4087		4269		4269	
4260	33678	4669		4491	9	4580		4580	
4261	33679	4560		2923		3741		3741	
4262	33680	4738		2672		3705		3705	
4263	33681	4631		1483		3057		3057	
4264	LC	4366		5141	7	4753	9	4753	9
Experimental Mean		4787		3262		4024		4024	
CD(0.05)		847		655		532		532	
CV(%)		8.85		10.05		6.62		6.62	
F val		2.13**		30.11**		14.38**		14.38**	
DOS		05-07-2025		07-08-2025					
DOP		Drill sown		07-08-2025					
Local Check Name		MAS-946-1		Daksha					

Table No. 10.2 (Contd.): Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE I - HILLS		ZONE III - EASTERN					
		Nagaland		Bihar				Uttar Pradesh	
		@Nagaland		@Pusa		@Sabour		@Gorakhpur	
4201	33622	2850		3732	5	2060		2093	
4202	33623	2350		4117	4	2180		2052	
4203	33624	2450		3523	8	3295	6	4813	2
4204	33625	2950		2924		2020		2105	
4205	33626	3350	9	3221		2800		2092	
4206	33627	2050		2720		1780		963	
4207	33628	4250	2	4217	3	3660	4	2955	8
4208	33629	3750	5	3520	9	2285		2118	
4209	33630	2200		2719		3030		1917	
4210	33631	2700		3267		2920		1587	
4211	33632	2600		2927		2750		1942	
4212	33633	3050		3248		1890		2392	
4213	33634	3700	6	3026		2745		2883	10
4214	DRR Dhan 54 (NC)	3300		3425	10	2015		1565	
4215	33635	2900		3021		2045		1993	
4216	33636	4450	1	3220		2220		2975	6
4217	33637	3800	4	3216		1550		1328	
4218	33638	3550	7	3296		2415		1957	
4219	33639	3100		3269		1990		1413	
4220	33640	2400		3526	6	2440		1528	
4221	33641	2950		3376		2405		1465	
4222	33642	2950		2928		2935		3630	4
4223	33643	2550		3032		3165	8	2957	7
4224	33644	2900		4224	2	2870		1943	
4225	ZC	2650		3261		1545		1720	
4226	33645	2650		3032		2380		1967	
4227	33646	3200		3250		2610		1290	
4228	33647	3050		3217		2240		2090	
4229	33648	3250		3034		2435		1015	
4230	33649	2900		2678		2670		2035	
4231	33650	2750		2825		3195	7	2348	
4232	33651	3050		2622		2555		2248	
4233	33652	2900		2925		2975		1703	
4234	33653	3100		2425		2595		1847	
4235	33654	2650		2822		3750	3	3087	5
4236	33655	2550		2830		1460		533	
4237	33656	2600		2664		1420		1092	
4238	33657	2800		2547		2590		2320	
4239	33658	3000		3030		2270		1087	
4240	33659	2200		3231		3645	5	2335	
4241	33660	2700		3211		2195		1078	
4242	33661	2850		3374		1715		2482	
4243	33662	2950		3028		2350		4985	1
4244	33663	2700		3054		2100		3653	3
4245	33664	2300		3126		3105	9	1518	
4246	33665	3250		3224		2615		1132	
4247	33666	2950		3327		2745		1635	
4248	CR Dhan 201 (NC)	2750		3178		2470		2955	8
4249	33667	2900		2951		4075	1	2705	
4250	33668	2750		2843		2580		1848	
4251	33669	3300		4250	1	3870	2	2233	
4252	33670	3200		3526	6	1755		1837	
4253	33671	2600		3357		2835		2062	
4254	33672	2950		3218		2380		2237	
4255	33673	2600		2861		2545		1637	
4256	33674	3000		3041		1795		2472	
4257	33675	2400		3226		1970		2050	
4258	33676	2700		2731		2380		1092	
4259	33677	3450	8	2945		2350		1183	
4260	33678	2900		3049		2830		1050	
4261	33679	2750		2672		3095	10	2062	
4262	33680	3350	9	2902		2655		1463	
4263	33681	3150		3001		2520		1417	
4264	LC	3950	3	3227		2470		2252	
Experimental Mean		2950		3147		2519		2038	
CD(0.05)		1077		172		602		1219	
CV(%)		18.26		2.74		11.96		29.94	
F val		1.49ns		38.85**		7.41**		3.66**	
DOS		26-06-2025		28-06-2025		18-06-2025		19-06-2025	
DOP				Direct sown					
Local Check Name		Bhalum 3		R. Nilam		Sabour Ardhjal		Samba Sub-1	

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Table No. 10.2 (Contd.): Grain Yield (kg/ha) in Aerobic (IVT – Aerobic), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE IV - NORTH EASTERN		ZONE V - CENTRAL		ZONE VI - WESTERN		
		Tripura		Chhattisgarh		Gujarat		
		@Arundhutinagar		@Jagadapur		@Derol	@Vyara	
4201	33622	2400		3806		1927	3385	
4202	33623	2437		4206	4	2865	1926	
4203	33624	2453		3444		2083	1476	
4204	33625	2568		2438		1615	1392	
4205	33626	2400		3656		4323	2	2128
4206	33627	1974		3850		2969		2005
4207	33628	1874		4100	7	938		3055
4208	33629	2153		3569		2552		2345
4209	33630	2158		4006	10	2760		2264
4210	33631	2753		3119		2708		2219
4211	33632	2421		3028		3229		3556
4212	33633	2326		4012	9	3073		2347
4213	33634	2326		2812		2708		3543
4214	DRR Dhan 54 (NC)	1968		3434		2760		2196
4215	33635	2184		3706		3021		2428
4216	33636	2463		3588		1510		2134
4217	33637	2379		3769		1250		1829
4218	33638	2658		3859		2656		2324
4219	33639	2674		3569		1927		1622
4220	33640	2763		3556		3594		2446
4221	33641	2932	8	2616		2083		3871
4222	33642	2511		2953		4271	4	2167
4223	33643	3242	3	3722		4583	1	2281
4224	33644	2921	10	3859		3438		1725
4225	ZC	2979	6	2916		1615		3371
4226	33645	2737		3516		2240		971
4227	33646	2184		3256		3073		1668
4228	33647	2637		4497	1	1875		2826
4229	33648	2389		2953		1510		4035
4230	33649	2011		3891		4115	7	4494
4231	33650	2379		4325	3	3698		2792
4232	33651	2447		3462		1667		3258
4233	33652	2526		3144		2760		3152
4234	33653	3263	2	3456		4167	5	1893
4235	33654	2932	8	3900		3594		1815
4236	33655	2574		2591		677		1032
4237	33656	3579	1	3459		938		1754
4238	33657	2237		2653		3750		5153
4239	33658	3179	4	3619		4167	5	1532
4240	33659	2953	7	3766		3958	9	1706
4241	33660	2084		3488		1146		4313
4242	33661	2126		2731		625		4977
4243	33662	1989		3106		625		4026
4244	33663	1858		4372	2	156		3034
4245	33664	2263		3272		4323	2	1874
4246	33665	1932		2744		4062	8	3558
4247	33666	2047		3281		1458		3454
4248	CR Dhan 201 (NC)	2047		4131	6	2396		3451
4249	33667	2589		3562		2604		2264
4250	33668	2821		2575		1458		2139
4251	33669	2489		2506		3438		2299
4252	33670	3100	5	3353		2031		2344
4253	33671	2058		3781		3073		2341
4254	33672	2063		2594		3229		1065
4255	33673	2016		3703		1927		2833
4256	33674	1916		2516		260		2214
4257	33675	1895		4166	5	1354		3096
4258	33676	2079		2750		2240		2149
4259	33677	2037		3609		2396		1221
4260	33678	2016		4053	8	1458		3477
4261	33679	2168		2603		2240		2323
4262	33680	2174		3044		3906	10	2132
4263	33681	2332		3350		2188		2901
4264	LC	2458		3291		2448		3403
Experimental Mean		2414		3417		2495		2578
CD(0.05)		448		2356		814		833
CV(%)		9.28		34.51		16.32		16.16
F val		6.21**		0.41ns		15.17**		10.2**
DOS		24-06-2025		16-06-2025		07-07-2025		13-06-2025
DOP								
Local Check Name		Sahabagi		Indira Aerobic 1		AAUDR 1		GAR-201

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Table No. 10.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN												ZONE II - NORTHERN (3)		
		Haryana						Haryana (2)			Punjab			Mean		
		Karnal			Kaul			Mean			Ludhiana					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4201	33622	104	68	206	96	88	226	100	78	216	101	84	415	100	80	282
4202	33623	100	80	246	98	88	241	98	84	244	89	120	430	95	96	306
4203	33624	104	66	204	99	86	225	102	76	215	102	102	365	102	84	265
4204	33625	89	87	242	96	94	243	93	90	242	86	104	425	91	95	303
4205	33626	88	85	432	95	109	267	91	97	349	92	92	530	91	95	410
4206	33627	76	85	367	98	84	244	87	85	306	74	90	365	83	87	326
4207	33628	91	88	331	97	99	231	94	93	281	100	100	475	96	96	346
4208	33629	88	65	308	94	86	214	91	75	261	79	93	470	87	81	331
4209	33630	90	79	314	104	75	201	97	77	258	85	102	460	93	85	325
4210	33631	90	71	325	98	82	213	94	76	269	81	92	355	90	82	298
4211	33632	98	74	246	102	76	224	100	75	235	90	92	335	97	80	268
4212	33633	84	100	416	91	110	284	88	105	350	79	104	450	85	104	384
4213	33634	85	78	264	94	107	238	89	93	252	90	113	440	89	99	314
4214	DRR Dhan 54 (NC)	87	88	390	95	124	238	91	106	314	84	124	435	89	112	354
4215	33635	83	97	353	98	99	225	91	98	289	92	116	305	91	104	294
4216	33636	88	88	246	92	112	268	90	100	257	85	104	565	88	101	360
4217	33637	79	112	210	93	102	254	86	108	232	84	132	410	85	116	291
4218	33638	86	81	371	90	98	266	88	89	318	79	98	455	85	92	364
4219	33639	84	91	380	93	102	217	88	97	299	79	114	640	85	102	412
4220	33640	100	64	240				100	64	240	101	86	470	100	75	355
4221	33641	91	80	340	101	85	220	96	82	280	82	106	470	92	90	344
4222	33642	96	79	440	92	115	261	94	97	350	93	100	340	94	98	347
4223	33643	94	83	332	92	107	255	92	95	293	85	110	355	90	100	314
4224	33644	87	109	393	94	120	247	90	114	320	94	140	385	92	123	342
4225	ZC	90	92	380	95	108	264	92	100	322	82	111	315	89	103	320
4226	33645	114	90	360	93	84	279	104	87	320	85	93	395	97	89	345
4227	33646	98	80	276	97	101	209	98	91	242	90	94	445	95	92	310
4228	33647	86	70	364	96	102	272	92	86	318	84	92	455	89	88	364
4229	33648	88	82	148	103	98	230	96	90	189	90	118	450	94	100	276
4230	33649	88	81	220	98	86	215	92	84	217	79	94	325	88	87	253
4231	33650	94	71	306	97	78	251	96	75	278	90	90	320	94	80	292
4232	33651	85	76	334	96	90	260	90	83	297	76	104	375	86	90	323
4233	33652	93	58	272	102	72	226	98	65	249	90	89	395	95	73	298
4234	33653	99	72	366	97	86	254	98	79	310	95	84	390	97	81	336
4235	33654	94	70	224	97	80	232	95	75	228	88	102	450	93	84	302
4236	33655	69	91	276				69	91	276	68	144	530	68	118	403
4237	33656	69	107	250				69	107	250	71	128	555	70	118	402
4238	33657	90	66	211	104	73	210	97	69	210	85	100	410	93	79	277
4239	33658	77	96	418	94	101	269	86	98	344	86	104	400	86	100	362
4240	33659	100	84	338	98	83	240	99	84	289	94	114	360	98	94	312
4241	33660	96	71	231	103	78	236	100	75	233	104	121	480	101	90	316
4242	33661	102	72	182	96	90	256	99	81	219	97	128	260	98	97	233
4243	33662	90	38	200	92	84	242	91	61	221				91	61	221
4244	33663	86	69	188	96	76	254	91	72	221				91	72	221
4245	33664	89	72	272	104	82	250	96	77	262	94	92	360	95	82	294
4246	33665	90	76	438	97	90	232	93	83	335	91	100	400	92	89	357
4247	33666	100	71	219				100	71	219	100	102	495	100	87	357
4248	CR Dhan 201 (NC)	102	67	362	93	74	253	97	70	307	100	79	375	98	73	330
4249	33667	87	72	368	96	78	269	91	75	319	94	94	420	92	81	352
4250	33668	98	80	209	98	74	231	98	77	220	90	110	425	95	88	288
4251	33669	94	79	248	100	82	241	97	80	244	98	119	535	97	93	341
4252	33670	91	93	196				91	93	196				91	93	196
4253	33671	78	72	272				78	72	272	89	95	430	84	83	351
4254	33672	82	80	350	96	81	229	89	80	290	100	78	340	92	80	306
4255	33673	110	88	402	92	88	266	101	88	334	86	89	435	96	88	368
4256	33674	88	63	300				88	63	300				88	63	300
4257	33675				104	84	186	104	84	186	97	86	465	101	85	325
4258	33676	90	88	394	102	78	198	96	83	296	80	100	505	91	88	366
4259	33677	104	96	440	96	93	234	100	95	337	79	118	440	93	103	372
4260	33678	89	80	402	96	86	216	92	83	309	96	116	460	94	94	360
4261	33679	100	80	280				100	80	280	101	106	335	100	92	307
4262	33680	88	68	328	96	80	228	92	74	278	92	89	370	92	79	309
4263	33681	118	65	160	99	70	193	108	68	177				108	68	177
4264	LC	99	78	364	90	92	250	94	85	307	79	86	495	89	85	370
Experimental Mean		91	79	303	96	90	238	94	84	271	88	103	422	92	90	321
Standard Error		3.55			0.58			1.98			1.45			1.42		

Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar			Bihar			Bihar (2)			Odisha			Uttar Pradesh		
		Bikramganj (Dhangain)			Patna-ICAR			Mean			NRRI			Masodha		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4201	33622	89	97	328	111	75	154	100	86	241	97	108	340	76	98	236
4202	33623	75	122	274	99	105	239	87	114	256	88	127	386	72	98	246
4203	33624	91	120	259	106	106	183	98	113	221	96	115	358	92	90	216
4204	33625	76	115	239	96	81	190	86	98	215	86	124	400	89	91	257
4205	33626	82	113	289	92	109	254	87	111	272	95	116	364	78	92	234
4206	33627	77	101	316	78	86	213	77	94	265	91	111	328	88	86	226
4207	33628	84	112	266	94	114	232	89	113	249	94	121	369	88	72	214
4208	33629	77	100	322	96	96	248	86	98	285	89	114	337	82	85	196
4209	33630	81	107	267	98	94	118	90	101	192	88	115	380	82	90	240
4210	33631	76	99	240	98	84	113	87	92	176	88	114	420	80	92	240
4211	33632	77	102	282	102	67	107	90	84	195	87	116	382	77	86	227
4212	33633	80	107	215	88	112	258	84	109	236	88	116	280	82	89	224
4213	33634	74	106	250	96	89	210	85	97	230	90	115	346	80	100	228
4214	DRR Dhan 54 (NC)	82	117	270	94	119	159	88	118	214	96	128	308	86	71	163
4215	33635	80	118	228	94	101	168	87	110	198	84	124	378	78	82	200
4216	33636	78	99	246	92	107	258	85	103	252	90	122	369	74	92	234
4217	33637	72	109	260	77	118	238	74	114	249	87	124	252	88	80	254
4218	33638	77	98	301	92	100	273	84	99	287	88	118	279	80	92	230
4219	33639	75	108	230	91	107	248	83	107	239	86	118	368	91	102	236
4220	33640	84	104	270	100	93	256	92	98	263	94	114	300	74	114	186
4221	33641	77	112	329	98	79	112	88	96	221	86	118	387	88	98	230
4222	33642	82	110	344	92	108	252	87	109	298	96	112	316	76	112	258
4223	33643	82	109	254	106	86	246	94	97	250	87	124	328	78	71	237
4224	33644	83	125	310	96	125	248	90	125	279	94	132	350	82	82	248
4225	ZC	81	112	255	92	94	174	87	103	215	86	118	368	79	82	234
4226	33645	78	105	278	96	98	264	87	101	271	90	116	330	92	86	250
4227	33646	82	108	326	100	97	112	91	102	219	95	117	390	81	80	243
4228	33647	77	112	356	96	106	250	86	108	303	86	115	358	82	92	234
4229	33648	82	114	286	98	97	206	90	106	246	94	118	288	73	85	243
4230	33649	78	101	241	93	92	144	86	97	192	88	117	316	82	80	213
4231	33650	78	103	314	99	84	268	88	93	291	95	115	388	82	94	248
4232	33651	73	104	328	96	101	212	84	103	270	84	116	246	78	82	199
4233	33652	91	101	399	93	90	212	92	95	305	95	108	350	83	82	246
4234	33653	91	97	360	95	97	256	93	97	308	91	121	362	82	88	256
4235	33654	83	101	260	90	83	219	86	92	240	96	110	404	81	90	244
4236	33655	77	135	241	90	104	152	84	119	196	88	134	408	84	91	225
4237	33656	64	142	262	78	113	198	71	127	230	84	128	368	79	112	236
4238	33657	82	108	266	99	92	212	90	100	239	88	116	358	84	82	234
4239	33658	75	108	236	90	96	154	82	102	196	88	116	392	80	102	190
4240	33659	83	111	268	122	83	144	102	97	206	93	122	262	88	90	222
4241	33660	82	116	254	98	97	201	90	107	227	95	130	305	81	91	222
4242	33661	91	126	238	96	93	188	94	109	213	90	130	322	80	82	228
4243	33662	97	96	255	97	95	173	97	96	214	93	118	361	80	82	208
4244	33663	95	99	282	128	78	124	111	89	203	96	119	400	87	72	190
4245	33664	82	98	346	96	95	162	89	97	254	96	115	298	86	86	200
4246	33665	77	99	276	97	87	212	87	93	244	87	118	356	84	90	244
4247	33666	84	110	244	98	93	160	91	102	202	97	122	312	102	84	204
4248	CR Dhan 201 (NC)	91	98	257	93	87	258	92	93	258	93	109	332	80	86	238
4249	33667	84	102	312	103	88	272	94	95	292	94	110	364	100	76	253
4250	33668	78	108	326	97	92	267	88	100	297	94	130	286	86	82	264
4251	33669	89	124	275	102	77	206	96	101	240	90	119	330	88	92	222
4252	33670	80	117	232	94	91	198	87	104	214	92	133	196	80	82	252
4253	33671	76	106	371	98	77	163	87	92	267	89	112	361	88	79	188
4254	33672	102	107	274	94	92	260	98	100	267	86	106	366	88	100	223
4255	33673	76	107	244	92	87	197	84	97	220	86	104	322	96	86	238
4256	33674				122	97	272	122	97	272	95	115	278	94	90	190
4257	33675				131	47	104	131	47	104	95	104	425	94	74	186
4258	33676				94	102	199	94	102	199	86	110	340	92	90	218
4259	33677				90	111	270	90	111	270	88	126	369	74	100	233
4260	33678				94	111	236	94	111	236	94	130	278	92	85	252
4261	33679				115	96	232	115	96	232	94	116	247	94	90	190
4262	33680				100	76	226	100	76	226	89	106	288	96	73	232
4263	33681				97	98	262	97	98	262	92	126	335	82	85	198
4264	LC				93	101	258	93	101	258	86	121	323	88	86	207
Experimental Mean		81	108	280	97	94	207	91	101	240	90	118	339	84	87	225
Standard Error		0			0.63			0.35			1.69			0.96		

Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (5)			ZONE IV - NORTH EASTERN		
		Uttar Pradesh			Uttar Pradesh (2)			Mean			Tripura		
		Varanasi			Mean			Mean			Lembucherra		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4201	33622	100	99	212	88	99	224	95	95	254	96	124	412
4202	33623	84	134	195	78	116	220	84	117	268	103	102	475
4203	33624	96	133	240	94	111	228	96	113	251	104	99	412
4204	33625	79	134	262	84	113	259	85	109	270	107	97	212
4205	33626	88	122	242	84	107	238	87	111	277	116	107	312
4206	33627	76	116	259	82	101	242	82	100	268	104	108	250
4207	33628	89	135	278	89	103	246	90	111	272	105	108	312
4208	33629	76	114	278	79	100	237	84	102	276	106	103	275
4209	33630	84	120	254	83	105	247	87	105	252	104	116	388
4210	33631	82	114	238	81	103	239	85	101	250	103	96	438
4211	33632	84	108	234	80	97	230	85	96	246	103	126	375
4212	33633	76	129	232	79	109	228	83	110	242	105	106	312
4213	33634	81	128	252	80	114	240	84	108	257	106	106	312
4214	DRR Dhan 54 (NC)	82	145	172	84	108	168	88	116	214	108	88	275
4215	33635	82	119	214	80	101	207	84	109	238	108	133	250
4216	33636	84	128	202	78	110	218	83	110	261	106	112	262
4217	33637	79	144	243	83	112	248	80	115	249	108	86	312
4218	33638	80	115	264	80	103	247	83	105	270	105	94	275
4219	33639	76	128	288	83	115	262	84	112	274	102	124	300
4220	33640	96	116	222	85	115	204	90	108	247	106	138	225
4221	33641	85	126	215	87	112	223	87	107	255	108	104	362
4222	33642	84	116	242	80	114	250	86	112	282	108	126	288
4223	33643	86	132	272	82	102	254	88	104	267	106	98	375
4224	33644	85	157	246	84	120	247	88	124	280	108	96	288
4225	ZC	75	121	200	77	102	217	83	106	246	104	94	225
4226	33645	80	116	213	86	101	232	87	104	267	107	104	262
4227	33646	96	122	210	89	101	226	91	105	256	104	90	200
4228	33647	84	118	252	83	105	242	85	108	290	106	97	300
4229	33648	92	103	226	82	94	235	88	104	250	102	82	288
4230	33649	89	113	184	86	97	198	86	101	220	100	114	288
4231	33650	88	109	244	85	101	246	88	101	292	108	125	238
4232	33651	74	125	248	76	103	224	81	106	246	102	114	275
4233	33652	88	109	270	85	96	258	90	98	296	101	90	300
4234	33653	96	107	254	89	97	255	91	102	298	106	106	300
4235	33654	93	117	244	87	103	244	88	100	274	108	118	462
4236	33655	72	133	230	78	112	228	82	119	251	106	110	438
4237	33656	70	146	268	74	129	252	75	128	266	104	116	250
4238	33657	82	118	258	83	100	246	87	103	266	109	106	175
4239	33658	82	122	222	81	112	206	83	109	239	104	126	338
4240	33659	92	127	264	90	108	242	96	106	232	106	109	300
4241	33660	89	146	186	85	118	204	89	116	234	102	92	275
4242	33661	100	159	279	90	121	254	92	118	251	106	104	238
4243	33662	112	97	226	96	89	217	96	98	244	106	86	275
4244	33663	106	115	280	96	94	235	102	97	255	106	99	325
4245	33664	85	113	262	85	100	231	89	101	254	108	102	300
4246	33665	84	118	214	84	104	229	86	102	260	116	106	312
4247	33666	90	141	268	96	113	236	94	110	238	102	104	262
4248	CR Dhan 201 (NC)	100	103	250	90	95	244	91	97	267	106	115	288
4249	33667	89	102	219	95	89	236	94	95	284	105	88	288
4250	33668	80	140	222	83	112	244	87	110	273	104	98	338
4251	33669	98	138	208	94	115	215	94	110	248	110	100	350
4252	33670	84	134	172	82	108	212	86	112	210	108	96	200
4253	33671	84	119	288	86	99	238	87	99	274	110	102	300
4254	33672	76	117	204	82	108	214	89	105	265	108	84	312
4255	33673	80	108	228	88	97	233	86	98	246	106	86	375
4256	33674	106	129	272	100	109	231	104	108	253	104	98	200
4257	33675	106	119	253	100	96	220	106	86	242	104	105	562
4258	33676	77	118	246	84	104	232	87	105	251	108	99	312
4259	33677	74	135	258	74	118	246	82	118	283	106	116	425
4260	33678	98	126	254	95	105	253	95	113	255	107	112	312
4261	33679	96	128	161	95	109	176	100	108	208	106	114	438
4262	33680	88	100	245	92	86	238	93	89	248	106	96	238
4263	33681	96	126	251	90	105	224	92	109	261	104	110	312
4264	LC	82	127	261	84	107	234	87	109	262	104	104	212
Experimental Mean		86	123	238	85	106	232	88	106	257	105	104	309
Standard Error		0.49			0.48			0.41			1.17		

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Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL												ZONE V -		
		Chhattisgarh			Madhya Pradesh						Madhya Pradesh (2)			CENTRAL (3)		
		Raipur			Rewa			Jabalpur			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4201	33622	94	97	176	90	90	346	94	66	240	92	78	293	92	84	254
4202	33623	84	107	213	88	101	312	86	89	176	87	95	244	86	99	234
4203	33624	94	116	212	94	98	343	95	88	184	94	93	264	94	101	246
4204	33625	80	123	231	86	100	304	84	93	209	85	96	257	84	105	248
4205	33626	83	108	216	86	102	306	88	88	225	88	95	266	86	99	249
4206	33627	72	97	242	76	88	355	78	65	244	77	76	300	76	83	280
4207	33628	96	108	194	92	102	264	98	83	184	95	93	224	95	98	214
4208	33629	80	96	217	84	95	280	83	72	269	83	83	274	82	87	255
4209	33630	80	106	223	84	100	364	84	77	229	84	88	296	82	94	272
4210	33631	80	115	266	86	110	310	86	80	220	86	95	264	84	101	265
4211	33632	80	100	240	84	93	343	85	73	228	85	83	285	83	89	270
4212	33633	76	115	226	84	108	379	84	77	216	84	93	298	81	100	274
4213	33634	82	121	261	87	95	263	87	78	256	87	87	259	85	98	260
4214	DRR Dhan 54 (NC)	84	138	200	87	105	218	88	96	218	88	101	218	86	113	212
4215	33635	78	120	230	78	106	339	86	89	202	82	98	270	81	105	257
4216	33636	82	98	198	84	102	330	86	78	282	85	90	306	84	92	270
4217	33637	83	109	199	78	108	316	84	98	215	81	103	265	82	105	243
4218	33638	80	97	198	79	107	346	86	78	237	82	92	292	82	94	260
4219	33639	80	110	214	84	106	277	84	86	195	84	96	236	83	101	229
4220	33640	94	107	232	92	98	269	98	66	232	95	82	251	95	91	244
4221	33641	82	109	202	88	102	327	85	87	240	86	95	284	85	99	256
4222	33642	84	96	109	85	98	341	90	76	216	88	87	278	86	90	222
4223	33643	84	110	183	88	110	298	88	80	262	88	95	280	87	100	247
4224	33644	84	147	218	89	116	318	86	97	238	88	107	278	86	120	258
4225	ZC	80	106	222	78	104	360	84	83	262	81	94	311	80	98	281
4226	33645	78	96	257	78	101	316	84	70	157	81	86	236	80	89	243
4227	33646	88	110	211	88	98	323	89	75	216	89	87	269	88	95	250
4228	33647	84	116	226	85	97	328	85	78	256	85	87	292	84	97	270
4229	33648	84	106	204	88	102	330	88	82	252	88	92	291	87	97	262
4230	33649	82	98	176	85	100	266	87	71	179	86	85	222	84	89	207
4231	33650	83	97	222	88	102	362	87	68	202	88	85	282	86	89	262
4232	33651	76	114	230	77	93	286	80	80	187	79	86	237	78	96	234
4233	33652	88	98	257	90	96	318	88	72	127	89	84	223	88	89	234
4234	33653	92	113	222	91	102	298	94	69	277	93	85	287	92	95	266
4235	33654	84	96	186	90	92	317	90	75	292	90	83	305	88	87	265
4236	33655	68	108	173	75	124	322	76	101	164	76	112	242	73	111	219
4237	33656	68	137	70	76	114	298	76	100	158	76	107	228	74	117	176
4238	33657	85	108	178	83	106	324	87	78	205	85	92	265	85	97	236
4239	33658	80	116	212	82	96	350	83	80	180	82	88	265	82	98	247
4240	33659	88	117	216	91	107	343	95	80	210	93	93	277	92	101	256
4241	33660	92	103	198	88	102	233	98	94	279	93	98	256	93	100	237
4242	33661	92	106	195	96	100	270	92	97	220	94	98	245	93	101	228
4243	33662	104	108	299	109	98	188	105	62	186	107	80	187	106	89	224
4244	33663	100	110	248	99	84	324	104	71	207	102	78	266	101	88	260
4245	33664	86	98	220	87	92	356	87	71	261	87	82	309	86	87	279
4246	33665	82	107	198	89	101	321	87	78	254	88	90	288	86	95	258
4247	33666	94	126	214	92	104	336	92	86	213	92	95	275	92	105	255
4248	CR Dhan 201 (NC)	94	115	201	96	72	289	98	71	170	96	72	230	96	86	220
4249	33667	84	107	206	89	94	283	91	65	217	90	80	250	88	89	235
4250	33668	86	97	210	88	96	300	86	78	236	87	87	268	87	91	249
4251	33669	90	117	196	94	109	372	94	89	252	94	99	312	93	105	273
4252	33670	90	136	173	91	102	215	88	88	172	89	95	194	90	109	187
4253	33671	84	99	220	85	102	282	85	71	260	85	86	271	84	90	254
4254	33672	78	105	247	82	110	247	84	73	211	83	91	229	82	96	235
4255	33673	76	100	220	84	96	351	84	67	253	84	82	302	82	88	275
4256	33674	108	117	244	94	99	216	102	76	160	98	87	188	101	97	206
4257	33675	94	107	192	96	90	228	101	81	244	99	86	236	97	93	221
4258	33676	74	106	212	78	106	322	83	76	165	80	91	243	78	96	233
4259	33677	81	116	218	84	111	340	86	79	224	85	95	282	84	102	261
4260	33678	98	116	204	93	108	268	99	91	223	96	99	246	97	105	232
4261	33679	94	135	202	88	100	338	96	86	150	92	93	244	93	107	230
4262	33680	88	107	210	88	102	344	88	66	280	88	84	312	88	91	278
4263	33681	101	114	246	105	103	282	98	83	236	101	93	259	101	100	255
4264	LC	80	108	192	84	98	292	83	71	243	83	84	267	82	92	242
Experimental Mean		85	110	211	87	100	307	88	79	219	88	90	264	87	97	246
Standard Error		1.38			1.71			0.75			0.95			0.81		

Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (2)		
		Gujarat			Maharashtra			Mean		
		Navasari			Parabhani					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4201	33622	84	105	188	98	59	314	91	82	250
4202	33623	92	92	182	90	82	298	91	87	240
4203	33624	95	78	150	95	73	308	95	75	229
4204	33625	90	84	176	96	86	304	93	85	240
4205	33626	86	98	168	90	71	302	88	84	235
4206	33627	108	89	168	84	72	287	96	81	227
4207	33628	90	85	186	94	69	308	92	77	247
4208	33629	98	79	122	90	62	284	94	71	203
4209	33630	88	107	187	91	71	332	89	89	260
4210	33631	96	95	188	89	66	315	92	80	252
4211	33632	89	90	172	90	50	308	90	70	240
4212	33633	86	93	176	88	57	258	86	75	217
4213	33634	82	95	200	88	70	271	84	82	236
4214	DRR Dhan 54 (NC)	112	89	190	90	80	309	101	85	249
4215	33635	87	109	178	90	83	330	88	96	254
4216	33636	106	100	136	84	84	341	96	92	239
4217	33637	88	91	220	80	100	315	84	95	268
4218	33638	84	77	188	84	76	298	84	76	243
4219	33639	84	108	176	90	65	248	86	87	212
4220	33640	80	79	200	102	56	308	91	67	254
4221	33641	102	87	172	90	73	315	96	80	244
4222	33642	88	98	177	90	69	342	89	84	260
4223	33643	100	108	186	88	74	292	94	91	239
4224	33644	84	88	177	93	102	310	88	95	244
4225	ZC	85	84	186	72	82	280	78	83	233
4226	33645	104	99	141	84	65	280	94	82	210
4227	33646	92	92	178	90	79	266	92	85	222
4228	33647	87	106	168	85	63	244	86	84	206
4229	33648	104	86	134	88	66	272	96	76	203
4230	33649	83	97	180	92	60	198	87	78	189
4231	33650	91	86	190	91	65	308	91	76	249
4232	33651	90	90	182	80	70	276	84	80	229
4233	33652	88	100	182	90	54	262	89	77	222
4234	33653	90	88	186	98	50	280	94	69	233
4235	33654	85	114	178	93	62	260	89	88	219
4236	33655	88	105	185	74	96	280	80	101	232
4237	33656	90	87	175	74	102	302	82	94	239
4238	33657	79	85	193	90	70	245	84	78	219
4239	33658	78	96	193	84	74	262	81	85	228
4240	33659	89	95	204	96	71	280	92	83	242
4241	33660	86	87	163	91	92	308	89	89	236
4242	33661	90	94	188	92	98	348	90	96	268
4243	33662	90	85	193	96	49	268	94	67	230
4244	33663	102	96	151	101	55	302	101	76	227
4245	33664	110	85	173	90	59	268	100	72	221
4246	33665	95	105	192	93	74	264	94	90	228
4247	33666	88	98	170	96	73	250	92	85	210
4248	CR Dhan 201 (NC)	99	99	168	102	54	198	100	77	184
4249	33667	90	82	190	90	70	271	90	76	230
4250	33668	91	90	171	89	72	280	90	81	226
4251	33669	90	83	172	90	86	246	90	84	210
4252	33670	103	79	156	90	83	198	96	81	177
4253	33671	86	108	172	88	70	280	87	89	226
4254	33672	101	105	170	85	74	278	93	89	224
4255	33673	89	104	175	89	70	286	89	87	230
4256	33674	86	96	202	102	55	258	94	75	230
4257	33675	86	98	193	98	60	264	92	79	229
4258	33676	103	94	152	85	72	278	94	83	215
4259	33677	96	84	156	90	79	308	93	81	232
4260	33678	96	95	168	91	79	278	94	87	223
4261	33679	104	74	202	93	76	269	98	75	236
4262	33680	97	86	206	94	60	298	96	73	252
4263	33681	89	108	207	94	75	309	91	91	258
4264	LC	87	98	206	93	92	254	90	95	230
Experimental Mean		91	93	178	90	71	283	91	83	231
Standard Error		1.49			0.92			0.86		

Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (2)		
		Karnataka						Karnataka (2)			SOUTHERN (2)		
		Mugad			Mandya			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4201	33622	103	68	282	104	56	476	103	62	379	103	62	379
4202	33623	98	82	412	92	88	442	95	85	427	95	85	427
4203	33624	102	67	286	101	78	408	102	73	347	102	73	347
4204	33625	95	72	288	98	69	442	96	71	365	96	71	365
4205	33626	101	57	264	102	73	442	102	65	353	102	65	353
4206	33627	92	59	278	86	72	510	89	65	394	89	65	394
4207	33628	108	69	278	112	76	476	110	73	377	110	73	377
4208	33629	88	64	272	114	73	527	102	68	400	102	68	400
4209	33630	92	65	290	88	72	459	90	69	374	90	69	374
4210	33631	94	58	294	84	78	493	88	68	394	88	68	394
4211	33632	101	69	350	96	66	510	98	68	430	98	68	430
4212	33633	95	77	348	82	86	459	88	82	404	88	82	404
4213	33634	92	60	303	92	77	442	92	69	372	92	69	372
4214	DRR Dhan 54 (NC)	99	87	280	100	105	476	99	96	378	99	96	378
4215	33635	96	81	324	98	91	408	98	86	366	98	86	366
4216	33636	93	70	300	90	86	510	91	78	405	91	78	405
4217	33637	84	89	210	92	92	425	88	91	318	88	91	318
4218	33638	91	78	286	80	78	578	86	78	432	86	78	432
4219	33639	94	62	325	98	72	527	96	67	426	96	67	426
4220	33640	104	63	288	110	44	561	108	54	424	108	54	424
4221	33641	94	64	279	84	68	544	89	66	412	89	66	412
4222	33642	100	71	350	96	84	595	98	77	472	98	77	472
4223	33643	100	81	282	88	80	544	94	81	413	94	81	413
4224	33644	102	80	324	98	119	544	100	99	434	100	99	434
4225	ZC	100	57	342	96	77	561	98	67	451	98	67	451
4226	33645	94	75	282	82	88	493	88	82	387	88	82	387
4227	33646	99	73	336	92	87	527	96	80	432	96	80	432
4228	33647	94	69	253	86	86	561	90	78	407	90	78	407
4229	33648	94	76	300	96	71	544	95	73	422	95	73	422
4230	33649	105	72	259	102	68	442	104	70	350	104	70	350
4231	33650	102	54	257	100	74	476	101	64	366	101	64	366
4232	33651	92	61	272	88	93	442	90	77	357	90	77	357
4233	33652	98	52	267	102	55	510	100	54	388	100	54	388
4234	33653	109	61	276	108	63	680	108	62	478	108	62	478
4235	33654	100	70	288	102	60	663	101	65	476	101	65	476
4236	33655	84	87	304	82	101	476	82	94	390	82	94	390
4237	33656	85	77	282	80	97	544	82	87	413	82	87	413
4238	33657	96	83	351	90	78	646	94	80	498	94	80	498
4239	33658	95	56	280	92	78	612	94	67	446	94	67	446
4240	33659	101	75	341	102	93	561	101	84	451	101	84	451
4241	33660	102	93	392	100	78	578	101	85	485	101	85	485
4242	33661	101	89	313	96	106	782	98	97	548	98	97	548
4243	33662	111	55	282	110	62	561	110	58	421	110	58	421
4244	33663	108	73	372	112	70	595	110	71	484	110	71	484
4245	33664	98	71	311	100	70	612	98	70	462	98	70	462
4246	33665	100	83	322	64	71	680	82	77	501	82	77	501
4247	33666	104	74	296	102	77	697	103	75	496	103	75	496
4248	CR Dhan 201 (NC)	102	75	312	116	65	680	110	70	496	110	70	496
4249	33667	103	56	304	108	60	748	106	58	526	106	58	526
4250	33668	94	88	358	94	68	612	94	78	485	94	78	485
4251	33669	101	72	284	111	80	544	106	76	414	106	76	414
4252	33670	102	66	156	110	81	476	106	73	316	106	73	316
4253	33671	100	68	275	96	70	527	98	69	401	98	69	401
4254	33672	95	63	304	92	70	612	93	67	458	93	67	458
4255	33673	90	62	296	92	65	765	92	64	530	92	64	530
4256	33674	110	77	314	114	76	629	112	76	472	112	76	472
4257	33675	109	64	327	113	74	697	111	69	512	111	69	512
4258	33676	94	74	327	78	98	612	86	86	470	86	86	470
4259	33677	94	79	339	76	92	595	85	85	467	85	85	467
4260	33678	105	92	260	109	107	493	107	99	377	107	99	377
4261	33679	101	79	344	98	81	561	100	80	453	100	80	453
4262	33680	102	69	310	102	70	629	102	70	470	102	70	470
4263	33681	109	69	310	108	84	578	109	76	444	109	76	444
4264	LC	100	90	394	84	93	578	92	92	486	92	92	486
Experimental Mean		98	71	302	96	78	552	97	75	428	97	75	428
Standard Error		1.2			0.41			0.67			0.67		

Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025 (Not considered)

Entry No	IET No	ZONE I - HILLS			ZONE III - EASTERN								
		Nagaland			Bihar						Uttar Pradesh		
		@Nagaland			@Pusa			@Sabour			@Gorakhpur		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4201	33622	76	74	282	104	77	236	108	84	222	84	111	402
4202	33623	80	110	94	86	101	268	97	118	240	80	125	424
4203	33624	76	93	188	76	79	222	116	102	261	94	130	442
4204	33625	74	116	236	72	84	230	97	102	232	76	126	395
4205	33626	82	86	86	85	106	220	96	102	242	77	120	464
4206	33627	82	87	318	71	79	209	84	86	238	70	112	421
4207	33628	81	81	308	92	95	248	98	106	284	91	132	436
4208	33629	80	94	272	106	56	224	94	92	278	76	116	416
4209	33630	82	61	117	79	102	234	99	94	278	78	124	466
4210	33631	81	100	216	76	86	210	102	104	232	75	106	408
4211	33632	88	90	353	82	86	214	100	90	336	80	110	449
4212	33633	89	112	276	74	101	224	98	102	248	76	128	444
4213	33634	84	77	272	77	98	236	96	100	346	76	129	407
4214	DRR Dhan 54 (NC)	74	128	357	88	91	254	97	114	217	77	134	469
4215	33635	75	114	217	80	84	250	85	102	248	79	124	432
4216	33636	82	70	190	72	86	246	94	104	402	78	126	421
4217	33637	80	73	178	82	86	258	90	100	358	76	126	426
4218	33638	82	72	192	78	84	256	93	100	280	76	120	442
4219	33639	82	62	205	86	94	237	90	104	252	73	116	458
4220	33640	76	102	380	100	88	254	108	98	340	92	108	424
4221	33641	83	109	146	76	85	246	99	110	190	77	126	450
4222	33642	82	67	245	84	79	226	103	98	275	82	134	458
4223	33643	84	97	78	90	86	248	96	107	268	84	121	412
4224	33644	75	126	264	94	114	270	98	122	258	83	135	408
4225	ZC	74	109	382	80	92	228	78	91	228	81	136	422
4226	33645	88	99	146	86	79	238	97	104	384	76	132	415
4227	33646	80	78	170	86	84	241	112	106	324	84	116	433
4228	33647	80	111	175	76	84	232	101	104	209	81	124	446
4229	33648	75	106	272	88	84	241	100	102	247	78	122	449
4230	33649	89	83	222	90	78	244	94	94	165	76	114	460
4231	33650	87	87	109	84	84	218	100	98	256	82	106	412
4232	33651	78	80	200	70	76	260	85	102	283	71	118	452
4233	33652	76	46	225	94	94	248	111	101	310	90	108	473
4234	33653	79	85	203	104	78	214	106	90	295	91	112	418
4235	33654	76	66	351	87	86	218	101	100	310	80	132	421
4236	33655	74	113	214	70	90	216	81	120	250	69	123	416
4237	33656	82	139	243	74	102	205	80	96	268	70	144	472
4238	33657	80	96	178	84	82	232	110	104	265	77	122	440
4239	33658	87	99	368	72	84	216	101	106	208	76	136	446
4240	33659	86	86	116	97	96	222	106	114	268	85	136	465
4241	33660	88	113	276	88	104	232	100	106	208	83	124	452
4242	33661	88	84	256	92	106	216	111	124	244	90	142	417
4243	33662	82	47	170	114	78	246	123	84	240	116	96	480
4244	33663	78	83	148	109	64	220	120	86	266	104	108	451
4245	33664	82	107	114	83	92	246	101	104	218	76	114	435
4246	33665	76	93	354	78	97	254	99	104	248	80	112	410
4247	33666	86	107	203	104	86	215	106	109	235	84	125	405
4248	CR Dhan 201 (NC)	78	90	38	96	91	224	101	92	248	90	114	425
4249	33667	85	89	175	79	92	233	103	89	332	84	112	462
4250	33668	82	78	298	78	107	242	100	110	220	80	125	416
4251	33669	86	72	199	96	84	242	111	118	258	85	146	453
4252	33670	82	97	238	95	96	238	100	120	165	79	145	480
4253	33671	76	87	187	84	84	222	97	98	286	77	114	470
4254	33672	82	77	230	76	80	249	98	92	286	74	110	496
4255	33673	85	91	207	84	78	226	100	99	285	76	116	416
4256	33674	75	60	216	106	81	218	121	99	280	105	102	440
4257	33675	79	91	208	116	76	246	115	98	238	94	114	448
4258	33676	81	98	126	84	72	214	88	102	238	74	113	420
4259	33677	84	79	311	76	74	224	93	109	263	76	125	437
4260	33678	76	109	286	94	99	212	112	112	302	92	122	418
4261	33679	82	116	254	92	100	212	109	120	220	94	132	440
4262	33680	82	89	202	84	71	238	98	90	242	82	117	467
4263	33681	84	74	245	94	81	230	116	124	236	104	114	474
4264	LC	88	120	131	86	93	244	94	102	269	104	96	441
Experimental Mean		81	91	220	86	87	233	100	102	262	82	121	438

Table No. 10.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – Aerobic, Kharif 2025 (Not considered)

Entry No	IET No	ZONE IV - NORTH EASTERN			ZONE V - CENTRAL			ZONE VI - WESTERN					
		Tripura			Chhattisgarh			Gujarat					
		@Arundhutinagar			@Jagadapur			@Derol			@Vyara		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4201	33622	90	76	282	98	78	165	88	83	330	96	108	412
4202	33623	90	108	258	89	85	145	72	114	248	84	135	270
4203	33624	90	101	270	96	84	180	80	96	252	94	136	314
4204	33625	88	88	306	89	77	142	74	87	270	84	140	281
4205	33626	89	85	258	96	93	180	82	110	400	86	121	250
4206	33627	86	86	228	85	77	158	57	104	318	70	124	290
4207	33628	86	95	222	100	77	145	86	76	256	102	139	244
4208	33629	84	84	246	89	66	176	66	80	280	81	108	271
4209	33630	82	85	246	86	85	150	80	87	306	85	137	324
4210	33631	82	83	258	91	82	158	66	93	384	84	118	320
4211	33632	82	81	258	88	78	205	80	88	342	84	115	340
4212	33633	83	81	259	80	88	188	73	104	326	85	141	284
4213	33634	82	90	240	87	84	192	64	97	280	81	124	239
4214	DRR Dhan 54 (NC)	86	96	222	94	109	255	56	120	286	88	121	231
4215	33635	86	94	258	89	102	235	62	109	256	84	147	289
4216	33636	84	86	277	88	84	195	82	91	252	81	142	288
4217	33637	84	107	270	86	105	222	78	126	279	79	146	286
4218	33638	88	99	306	89	93	178	68	80	294	84	128	344
4219	33639	87	88	288	88	71	120	66	105	352	82	118	290
4220	33640	88	85	324	115	70	162	86	88	312	84	129	276
4221	33641	82	93	318	88	94	207	71	99	274	86	134	303
4222	33642	80	102	270	89	79	158	87	105	296	85	131	220
4223	33643	88	101	366	96	81	152	74	106	240	86	155	331
4224	33644	86	107	366	98	105	220	69	125	291	70	124	270
4225	ZC	82	94	288	89	103	212	58	125	326	84	121	368
4226	33645	80	86	294	89	81	180	72	94	268	94	137	270
4227	33646	79	90	234	87	95	206	84	94	396	85	126	298
4228	33647	82	86	289	89	76	208	62	94	250	90	136	248
4229	33648	82	96	264	97	82	145	83	74	288	84	110	203
4230	33649	82	86	210	96	81	158	73	108	184	88	113	402
4231	33650	83	85	253	99	70	155	94	88	296	74	116	210
4232	33651	80	87	240	89	68	112	56	83	300	88	110	276
4233	33652	85	91	288	96	70	160	87	83	369	92	116	348
4234	33653	84	92	312	106	78	118	76	86	338	85	101	282
4235	33654	84	85	300	89	82	170	78	86	400	70	135	277
4236	33655	80	108	294	77	87	165	91	128	231	82	126	130
4237	33656	86	118	444	79	99	190	55	142	260	85	110	350
4238	33657	80	98	246	88	80	178	72	100	224	82	122	289
4239	33658	80	100	396	86	88	190	75	112	336	96	139	320
4240	33659	82	106	312	97	100	215	78	80	294	97	155	300
4241	33660	84	96	252	99	89	205	77	109	248	111	140	260
4242	33661	82	99	241	98	94	180	76	122	148	106	103	226
4243	33662	86	76	234	102	67	112	109	74	326	96	126	426
4244	33663	86	80	198	107	88	179	86	68	284	87	100	399
4245	33664	83	81	234	88	80	160	70	104	370	88	140	325
4246	33665	82	89	210	94	88	188	78	100	362	90	131	304
4247	33666	84	98	234	100	78	155	91	100	274	98	109	278
4248	CR Dhan 201 (NC)	84	88	240	100	87	184	76	79	258	86	116	356
4249	33667	86	90	294	97	83	195	80	89	328	88	139	326
4250	33668	87	97	318	96	81	170	74	100	276	96	148	358
4251	33669	86	95	306	98	96	200	80	108	316	88	143	246
4252	33670	84	96	336	99	103	175	88	113	216	85	114	326
4253	33671	82	95	252	89	77	168	72	96	350	81	123	282
4254	33672	78	80	234	81	79	136	64	100	356	82	111	251
4255	33673	80	81	234	91	77	112	70	85	348	107	124	242
4256	33674	84	66	216	98	91	170	84	82	282	103	132	295
4257	33675	80	91	222	110	82	160	84	70	324	84	123	245
4258	33676	80	78	246	89	76	162	59	99	268	82	140	308
4259	33677	80	90	240	86	90	190	80	98	300	92	127	222
4260	33678	80	94	216	107	86	192	72	103	250	97	130	360
4261	33679	82	98	282	98	99	214	77	108	256	96	135	138
4262	33680	86	86	252	96	80	170	78	92	326	84	110	312
4263	33681	84	94	270	81	90	195	103	104	286	103	136	326
4264	LC	82	88	270	88	88	162	55	92	228	87	121	256
Experimental Mean		83	91	270	92	84	174	75	97	294	87	126	290

Advance Variety Trial 2 & 1 – Medium Slender (AVT 2 & 1 – MS)**Locations: 40****Test Entries: 09****Table: 11**

Checks: National Checks (NC): WGL 14 (NC, Medium), BPT 5204 (NC, Late), Telangana Sona (NC, Early)
 Zonal Checks (ZC): Improved Samba Mashuri (Eastern & Central), ADT-49 (Southern), Ketekijoha (North Eastern), Karjat-6 (Western)
 Local Check (LC); Hybrid Check (HC): 27P63

AVT 2 & 1 – MS trial is evaluated with 9 test entries along with 6 checks (three NCs, one each of ZC, LC and hybrid check). The trial was sent to 40 locations and data was not received only from Kurumbapet. The data was not considered from 5 locations due to: low experimental yield - Pusa and Gorakhpur; and non-significant values from Ranchi, Masodha and Jabalpur.

Zones	III	IV	V	VI	VII
Zonal mean (Kg/ha)	4249 (Telangana Sona NC-ED) - 5474 (IET 33084 H)	3988 (Telangana Sona NC-ED) - 5190 (IET 31494 H)	4033 (ZC) - 5202 (27P63 HC)	3613 (IET 32685) - 5352 (IET 33084 H)	5173 (ZC) - 6155 (IET 33084 H)
Exp Mean (Kg/ha)	4065 (Chinsurah) - 6456 (Bikramganj-Dhangain)	3527 (Gerua) - 5244 (Titabar)	4575 (Sakoli) - 5360 (Raipur)	3892 (Vyra) - 5046 (Nawagam)	4487 (Pattambi) - 7548 (Ragolu)
CV%	6.47 (Bhubaneswar) - 12.18 (Cuttack)	7.7 (Titabar) - 12.43 (Lembucherra)	7.66 (Sakoli) - 9.28 (Sindewahi)	7.28 (Vyra) - 12.43 (Shirgoan)	3.6 (Ragolu) - 15.79 (Pattambi)
DFF	103 (IET 33084 H) - 112 (BPT-5204 NC-LD & RP)	103 (ZC) and (Telangana Sona NC-ED) - 116 (BPT-5204 NC-LD & RP)	102 (IET 33084 H) and (LC) - 110 (BPT-5204 NC-LD & RP)	97 (LC) - 112 (IET 32680) and (ZC)	96 (Telangana Sona NC-ED) and (IET 32675) - 110 (IET 32680)
PH (cm)	89 (ZC) - 112 (WGL-14 NC-MD)	102 (BPT-5204 NC-LD & RP) - 140 (LC)	89 (ZC) - 126 (Telangana Sona NC-ED)	99 (BPT-5204 NC-LD & RP) - 127 (Telangana Sona NC-ED)	91 (BPT-5204 NC-LD & RP) - 106 (WGL-14 NC-MD) and (IET 32680)
Pan/m ²	271 (ZC) - 306 (BPT-5204 NC-LD & RP)	342 (LC) - 427 (IET 31494 H)	243 (Telangana Sona NC-ED) - 287 (LC)	209 (IET 32685) - 232 (IET 33084 H)	344 (Telangana Sona NC-ED) - 368 (27P63 HC)
DNI (Data not included)	-	-	-	-	-
Locations considered	8	4	3	6	13

Performance of entries on Zonal basis during Kharif 2025

In **Zone III**, IET 33084, a hybrid entry out-yielded (5474 kg/ha) both the hybrid check (HC; 27P63; 5251 kg/ha) and best varietal check (BVC; LC; 5237 kg/ha), **hence promoted based on its yield performance to AVT 2 (MS).**

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In **Zone IV**, IET 31494, a third-year hybrid entry (5190 kg/ha) showed better performance than the BVC (ZC; 4533 kg/ha) and HC (4018 kg/ha).

In **Zone V**, no entry exhibited yield advantage over the BVC and HC yield in this zone, hence, none of the entries were promoted based on their yield performance.

In **Zone VI**, IET 32680 out yielded (4956 kg/ha) the BVC (NC; 4570 kg/ha) while, IET 33084, a hybrid entry out-performed BVC (NC; 4570 kg/ha) and HC (4545 kg/ha). **Hence, the two entries were promoted based on their yield performance to AVT 2 (MS).**

In **Zone VII**, no entry exhibited yield advantage over the BVC and HC. Hence, none of the entries were promoted based on their yield performance.

Performance of three years: IET 31494: IVT (2023), AVT 1 (2024) and AVT 2 (2025)

IET 31494 (H) (Shakthi 5455), a hybrid showed yield advantage over the BVC and HC on overall basis during 2023 in IHRT (MS). During 2024 and 2025 it had out-yielded the BVC and HC in Zone IV. The quality of IET 31494 is: HRR – 55.1% (average of 2023, 2024, & 2025); AC – 22.8; GC – 35.0; ASV – 4.0. **Based on its yield performance for the past three years and desirable grain quality, IET 31494 is found promising for Zone IV.**

Zonal Performance of entries in Kharif 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Promoted
	II	III	IV	V	VI	VII	
AVT2							
IET 31494 (H) (Shakthi 5455)	-	-	5190	-	-	-	Three years completed
AVT1							
IET 33084 (H) PHI-24101	-	5474	-	-	5352	-	III, VI
IET 32680 MTU 1442 (MTU 2687- 106-1-2-1)	-	-	-	-	4956	-	VI
WGL 14 (NC - Med)	-	4811	4308	5149	4570	6068	
BPT 5204 (NC - L)	-	4604	4553	5040	4298	5810	
Telangana Sona (NC – E)	-	4249	3988	4252	4369	5607	
Zonal check (ZC)	-	4549	4338	4033	3781	5173	
Local check (LC)	-	5237	4328	5112	4301	5933	
Hybrid Check (HC)	-	5251	4018	5202	4545	6084	
CD	-	200	460	504	380	237	
HC+CD	-	5451	4369	5706	4925	6321	
BC+CD	-	5437	4904	5653	4950	6305	

Three-year performance of IET 31494 (H)s on Zonal basis in IVT (2023), AVT – 1 (2024), and AVT - 2 (2025)

S. No	IET	Years	Zone IV		
			Yield	BVC	HC
1	31494	2023*	6505	5930	6217
		2024	6176	4933	5665
		2025	5190	4553	4018

*The entry was promoted from IHRT-MS to AVT 1 (MS) on overall basis during Kharif 2023

SUMMARY

ADVANCE VARIETY TRIAL 2&1 Medium Slender (AVT 2&1 - MS)

Locations: 40

Test entries: 9

Checks: National Checks (NC): WGL 14 (NC, Medium), BPT 5204 (NC, Late), Telangana Sona (NC, Early), Zonal Checks (ZC): Improved Samba Mashuri (Eastern & Central), ADT-49 (Southern), Ketekijoha (North Eastern), Karjat-6 (Western), Local Check (LC); Hybrid Check (HC): 27P63

Entries promoted to third year of testing (from AVT 1 - MS to AVT 2 - MS):

Zone II:	None
Zone III:	IET 33084
Zone IV:	None
Zone V:	None
Zone VI	IET 33084, IET 32680
Zone VII	None

Table No. 11.1: Composition of entries in Advance Variety Trial 2 & 1 – Medium Slender Grain (AVT 2 & 1 – MS), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zone	GT
4301	31494 (H)*	Shakthi5455	Hybrid	IV	MS
4302	32672	TRC 2024-18/TRC TNTC 5516-B-B-5-22	Tripura Nirog/Tripura Chikan	VI	MS
4303	Telangana Sona (Early Duration – National check)			III,IV,V, VI,VII	SS
4304	32675	CB 21515	CO S1/CO 54	VII	MS
4305	WGL-14 (Medium Duration – National check)			III,IV,V, VI,VII	MS
4306	32680	MTU 1442 (MTU 2687-106-1-2-1)	Ravi 003/MTU 1156/MTU 1156	VI,VII	MS
4307	27P63 (Hybrid Check)			III,IV,V, VI,VII	MS
4308	32685	BRR 0296	Rajendra Sweta/PRR78-3	VI	MS
4309	32717	CR3938-1-2-1-2-4-1-2	IR 73907-753-2-3-1/Pratikshya	IV	MS
4310	Improved Samba Mahsuri (Eastern and Central), Ketekejoha (North Eastern), Karjat-6 (Western) and ADT 49 (Southern) (ZC)				
4311	32718	CR 4459-3-1-1-1-1	CR 3856-44-22-2-1-11-1-1-1/CR 316//*NDR-1045*COR-50	IV	MS
4312	33084 (H)	PHI-24101	Hybrid	III,IV,V, VI,VII	MS
4313	BPT-5204 (Late Duration & Recurrent Parent – National check)			III,IV,V, VI,VII	MS
4314	32719	CR 6327-2-3-3-3-1	CR 3562-2-1-1-1-1-1/MTU 1010	VI	MS
4315	Local Check				

*3rd year testing entries

Table No. 11.2: Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN							
		Bihar				Bihar (2)		Odisha	
		Bikramganj (Dhangain)		Sabour		Mean		Bhubaneswar	
4303	Telangana Sona (NC-ED)	5606	7	4010	6	4808	7	3711	6
4305	WGL-14 (NC-MD)	5967	5	4596	4	5281	5	4822	4
4307	27P63 (HC)	6808	3	4645	2	5727	2	5000	2
4310	ZC	5750	6	4624	3	5187	6	3084	7
4312	33084 (H)	7111	2	5457	1*#	6284	1*#	5756	1*#
4313	BPT-5204 (NC-LD & RP)	6564	4	4547	5	5555	3	4733	5
4315	LC	7383	1	3420	7	5402	4	4889	3
Experimental Mean		6456		4471		5463		4571	
CD(0.05)		826		559		402		526	
CV(%)		7.19		7.03		4.13		6.47	
F val		6.7**		11.97**		12.7**		27.06**	
DOS		24-06-2025		13-06-2025				11-07-2025	
DOP		25-07-2025		10-07-2025				10-08-2025	
Local Check Name		Sabour Pratap		Rajendra Sweta				Pradeep	

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN							
		Odisha						Odisha (4)	
		Chiplima		Cuttack		Jeypore		Mean	
4303	Telangana Sona (NC-ED)	5526	5	3712	6	4027	5	4244	7
4305	WGL-14 (NC-MD)	4854	7	3758	5	6009	1	4861	4
4307	27P63 (HC)	5234	6	5753	1	5657	2	5411	2
4310	ZC	6573	2	5227	2	2789	7	4418	5
4312	33084 (H)	5673	4	4717	4	5161	4	5327	3
4313	BPT-5204 (NC-LD & RP)	5702	3	3247	7	3315	6	4249	6
4315	LC	7193	1	4798	3	5615	3	5624	1
Experimental Mean		5822		4459		4653		4876	
CD(0.05)		1130		966		557		324	
CV(%)		10.91		12.18		6.73		3.74	
F val		4.77*		8.41**		49.38**		30.81**	
DOS		15-07-2025		20-06-2025		29-06-2025			
DOP		16-08-2025		30-07-2025		30-07-2025			
Local Check Name		MTU-1156		CR Dhan 327		Kalinga Dhan 1203			

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (8)	
		Uttar Pradesh		West Bengal		Mean	
		Varanasi		chinsurah			
4303	Telangana Sona (NC-ED)	4290	7	3112	7	4249	7
4305	WGL-14 (NC-MD)	4403	5	4076	3	4811	4
4307	27P63 (HC)	4410	4	4502	2	5251	2
4310	ZC	4350	6	3997	4	4549	6
4312	33084 (H)	4470	3	5450	1*#	5474	1*#
4313	BPT-5204 (NC-LD & RP)	5313	1	3412	6	4604	5
4315	LC	4693	2	3902	5	5237	3
Experimental Mean		4561		4065		4882	
CD(0.05)		550		854		200	
CV(%)		6.77		11.8		2.31	
F val		3.97*		7.55**		47.5**	
DOS		09-06-2025		06-08-2025			
DOP		09-07-2025		29-08-2025			
Local Check Name		HUR-917		Swarna Shreya			

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN							
		Bihar		Jharkhand		Uttar Pradesh			
		@Pusa		@Ranchi		@Gorakhpur		@Masodha	
4303	Telangana Sona (NC-ED)	4464	1	5498	2	3620	1	5251	4
4305	WGL-14 (NC-MD)	4143	6	5087	7	3013	5	5646	2
4307	27P63 (HC)	4405	2	5318	3	3287	3	6233	1
4310	ZC	4321	3	5113	5	2667	6	5074	6
4312	33084 (H)	4238	5	5844	1	3587	2	5005	7
4313	BPT-5204 (NC-LD & RP)	4131	7	5100	6	3193	4	5625	3
4315	LC	4321	3	5167	4	2607	7	5169	5
Experimental Mean		4289		5304		3139		5429	
CD(0.05)		150		640		290		943	
CV(%)		1.96		6.79		5.19		9.77	
F val		6.7**		1.83ns		18.41**		2.02ns	
DOS		25-06-2025		27-06-2025		22-06-2025		30-06-2025	
DOP		23-07-2025		16-07-2025				05-08-2025	
Local Check Name		R. Sweta		Swarna		Samba Sub-1		Sambha Mahsuri sub 1	

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN							
		Assam				Assam (2)		Tripura	
		Gerua		Titabar		Mean		Arundhutinagar	
4301	31494 (H)*	4599	1*#	4973	6	4786	2#	5867	1*#
4303	Telangana Sona (NC-ED)	3078	8	4317	9	3697	10	4740	2
4305	WGL-14 (NC-MD)	3414	6	5544	5	4479	6	3765	5
4307	27P63 (HC)	3836	5	4612	8	4224	7	3628	7
4309	32717	2802	9	6438	1#	4620	3	3561	8
4310	ZC	3880	4	4279	10	4079	8	3407	9
4311	32718	3982	3	5972	2#	4977	1*#	3014	10
4312	33084 (H)	4310	2	4764	7	4537	5	3670	6
4313	BPT-5204 (NC-LD & RP)	3312	7	5798	3	4555	4	4372	3
4315	LC	2052	10	5743	4	3897	9	3826	4
Experimental Mean		3527		5244		4385		3985	
CD(0.05)		586		692		398		714	
CV(%)		9.69		7.7		5.28		10.45	
F val		14.7**		10.43**		9.05**		11.57**	
DOS		19-06-2025		21-06-2025				16-06-2025	
DOP		22-08-2025		18-07-2025				04-07-2025	
Local Check Name		Keteki Joha		Ranjit Sub I				Gomati	

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN				ZONE IV - NORTH EASTERN (4)	
		Tripura		Tripura (2)		Mean	
		Lembucherra		Mean			
4301	31494 (H)*	5322	4#	5594	1*#	5190	1*#
4303	Telangana Sona (NC-ED)	3815	10	4278	7	3988	10
4305	WGL-14 (NC-MD)	4507	8	4136	8	4308	8
4307	27P63 (HC)	3996	9	3812	9	4018	9
4309	32717	5141	5#	4351	6	4486	4#
4310	ZC	5785	1	4596	3	4338	6
4311	32718	4596	7	3805	10	4391	5#
4312	33084 (H)	5456	3#	4563	4#	4550	3#
4313	BPT-5204 (NC-LD & RP)	4730	6	4551	5	4553	2
4315	LC	5693	2	4759	2	4328	7
Experimental Mean		4904		4445		4415	
CD(0.05)		1046		738		351	
CV(%)		12.43		9.68		4.64	
F val		3.79**		4.34*		8.03**	
DOS		02-07-025					
DOP		26-07-2025					
Local Check Name		Gomati					

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL								ZONE V -	
		Chhattisgarh		Maharashtra			Maharashtra (2)		CENTRAL (3)		
		Raipur		Sakoli		Sindewahi	Mean		Mean		
4303	Telangana Sona (NC-ED)	4735	6	3644	6	4377	4	4011	6	4252	6
4305	WGL-14 (NC-MD)	5668	3	4344	5	5433	2	4889	3	5149	2
4307	27P63 (HC)	5972	1	5033	3	4600	3	4817	4	5202	1
4310	ZC	4567	7	3400	7	4133	6	3767	7	4033	7
4312	33084 (H)	5486	4	6000	1*#	3883	7	4942	2	5123	3
4313	BPT-5204 (NC-LD & RP)	5175	5	4444	4	5500	1	4972	1	5040	5
4315	LC	5916	2	5156	2	4264	5	4710	5	5112	4
Experimental Mean		5360		4575		4599		4587		4844	
CD(0.05)		781		624		759		646		504	
CV(%)		8.2		7.66		9.28		7.92		5.85	
F val		4.79*		19.91**		6.58**		5.45*		8.81**	
DOS		20-06-2025		24-06-2025		18-06-2025					
DOP		11-07-2025		15-07-2025		08-07-2025					
Local Check Name		Chhattisgarh Dhan 1919		PDKV Kisan		PDKV-Kisan					

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL	
		Madhya Pradesh	
		@Jabalpur	
4303	Telangana Sona (NC-ED)	4255	4
4305	WGL-14 (NC-MD)	4255	4
4307	27P63 (HC)	4173	6
4310	ZC	4310	3
4312	33084 (H)	4092	7
4313	BPT-5204 (NC-LD & RP)	4364	2
4315	LC	4610	1
Experimental Mean		4294	
CD(0.05)		726	
CV(%)		9.5	
F val		0.49ns	
DOS		14-06-2025	
DOP		08-07-2025	
Local Check Name		JR 206	

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN							
		Gujarat				Gujarat (3)		Maharashtra	
		Navasari		Nawagam		Vyra		Mean	
4302	32672	4717	4#	5318	4	4548	3*	4861	2
4303	Telangana Sona (NC-ED)	3771	8	5926	1	4004	6	4567	6
4305	WGL-14 (NC-MD)	4554	5	5509	3	3811	7	4625	5
4306	32680	4971	2#	4628	9	4554	2*	4718	3
4307	27P63 (HC)	3673	9	5595	2	4177	4	4482	7
4308	32685	3392		4072		3168	10	3544	
4310	ZC	3459	10	4885	8	3047		3797	10
4312	33084 (H)	5515	1*#	5247	5	4801	1*#	5188	1*#
4313	BPT-5204 (NC-LD & RP)	4028	7	4989	7	3412	8	4143	8
4314	32719	4728	3#	5158	6	4117	5	4668	4
4315	LC	4372	6	4176	10	3171	9	3906	9
Experimental Mean		4289		5046		3892		4409	
CD(0.05)		859		722		482		382	
CV(%)		11.75		8.4		7.28		5.08	
F val		5.47**		5.55**		14.33**		14.91**	
DOS		18-06-2025		27-06-2025		18-06-2025			
DOP		14-07-2025		04-08-2025		10-07-2025			
Local Check Name		GAR-13		GAR 13		GAR 13			

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (6)	
		Maharashtra				Maharashtra (3)		Mean	
		Radhanagari		Shirgaon		Mean		Mean	
4302	32672	5063	5	4042	8	4983	3	4922	3
4303	Telangana Sona (NC-ED)	5129	4	3111		4171	9	4369	7
4305	WGL-14 (NC-MD)	4583	7	5307	2	4514	7	4570	5
4306	32680	4610	6	5323	1#	5195	2#	4956	2*#
4307	27P63 (HC)	5168	3	4169	7	4608	6	4545	6
4308	32685	3138		3942	9	3682		3613	
4310	ZC	3672	10	3646	10	3765	10	3781	10
4312	33084 (H)	5573	2	5228	3#	5516	1*#	5352	1*#
4313	BPT-5204 (NC-LD & RP)	3709	9	4873	4	4453	8	4298	9
4314	32719	6045	1	4349	6	4913	4	4790	4
4315	LC	4124	8	4746	5	4695	5	4301	8
Experimental Mean		4619		4430		4590		4500	
CD(0.05)		957		938		510		380	
CV(%)		12.17		12.43		6.52		4.95	
F val		7.47**		5.26**		10.7**		15.74**	
DOS		09-06-2025		09-06-2025					
DOP		05-07-2025		01-07-2025					
Local Check Name		Phule Radha		Ratnagiri					

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Andhra Pradesh						Andhra Pradesh (3)		Karnataka	
		Bapatla		Maruteru		Ragolu		Mean		Mugad	Mandya
4303	Telangana Sona (NC-ED)	3923	9	5704	5	7107	7	5578	9	5398	5505
4304	32675	3974	8	6214	1#	7036	8	5741	6	5192	3203
4305	WGL-14 (NC-MD)	6043	1	6202	2	8187	1	6810	1	4709	4575
4306	32680	5641	3#	5477	7#	8053	2	6391	2#	6056	6143
4307	27P63 (HC)	4799	6	4156	9	8034	3	5663	7	5083	6352
4310	ZC	5855	2	4564	8	6400	9	5606	8	4978	4394
4312	33084 (H)	4598	7	6140	3#	7994	4	6244	3#	5553	5813
4313	BPT-5204 (NC-LD & RP)	5175	5	5745	4	7812	5	6244	4	5193	4816
4315	LC	5470	4	5564	6	7309	6	6114	5	4144	5667
Experimental Mean		5053		5529		7548		6044		5145	5163
CD(0.05)		760		953		471		415		857	796
CV(%)		8.68		9.96		3.6		3.97		9.63	8.91
F val		9.48**		5.19**		15.22**		9.37**		3.5*	14.3**
DOS		18-07-2025		06-07-2025		02-07-2025				22-07-2025	11-07-2025
DOP				04-08-2025		28-07-2025				06-08-2025	09-08-2025
Local Check Name		BPT 2782		MTU 1224		MTU 1224				Siri-1253	Thanu

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Karnataka		Karnataka (3)		Kerala		Puducherry		Telangana	
		Gangavathi		Mean		Pattambi		Karaikal		Rajendranagar	Warangal
4303	Telangana Sona (NC-ED)	4901	9	5268	6	3126	9	5067	6	5988	8383
4304	32675	4988	8	4461	9	4292	5	5167	5	5567	7599
4305	WGL-14 (NC-MD)	6478	2	5254	7	4124	8	5200	4	6642	8082
4306	32680	7088	1#	6429	1*#	5633	1#	4289	8	3891	3571
4307	27P63 (HC)	6201	4	5879	2	4169	6	4633	7	7245	7735
4310	ZC	5332	6	4901	8	4159	7	5211	3	5706	3545
4312	33084 (H)	5108	7	5491	3	5191	3	5311	2	7267	8552
4313	BPT-5204 (NC-LD & RP)	6443	3	5484	4	5293	2	4267	9	4942	7619
4315	LC	6069	5	5293	5	4397	4	5667	1	6098	7960
Experimental Mean		5845		5384		4487		4979		5927	7005
CD(0.05)		857		545		1227		876		981	912
CV(%)		8.47		5.84		15.79		10.17		9.56	7.52
F val		7.51**		9.4**		3.51*		2.68*		10.95**	42.43**
DOS		05-07-2025						12-09-2025		23-06-2025	27-06-2025
DOP		02-08-2025						14-10-2025		30-07-2025	28-07-2025
Local Check Name		Gangavathi Sona						DRR Dhan 58		KNM 1638	KNM-1638

Table No. 11.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN										ZONE VII - SOUTHERN	
		Telangana (2)		Tamil Nadu						Tamil Nadu (3)			
		Mean		Aduturai		Tirur		Coimbatore		Mean		Mean	
4303	Telangana Sona (NC-ED)	7185	4	6185	4	5217	9	6385	7	5929	8	5607	8
4304	32675	6583	6	6778	1	5893	6	7131	2	6601	3	5618	7
4305	WGL-14 (NC-MD)	7362	3	6074	5	6260	5	6311	8	6215	5	6068	3
4306	32680	3731	9	6444	3	6380	3	7350	1	6725	2*	5848	5
4307	27P63 (HC)	7490	2	6778	1	6777	1	7126	3	6893	1	6084	2
4310	ZC	4625	8	5704	7	5730	7	5671	9	5702	9	5173	9
4312	33084 (H)	7909	1	5519	9	6547	2	6424	6	6163	6	6155	1
4313	BPT-5204 (NC-LD & RP)	6280	7	5593	8	5620	8	7007	4	6073	7	5810	6
4315	LC	7029	5	5778	6	6307	4	6700	5	6262	4	5933	4
Experimental Mean		6466		6095		6081		6678		6285		5810	
CD(0.05)		709		642		426		904		423		237	
CV(%)		6.34		6.09		4.04		7.82		3.89		2.36	
F val		35.03**		5.18**		12.34**		3.12*		7.51**		15.24**	
DOS				06-09-2025		09-08-2025		18-06-2025					
DOP				11-10-2025		08-09-2025		16-07-2025					
Local Check Name				ADT61		TKM 13		CO52					

Table No. 11.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (2)			Odisha		
		Bikramganj (Dhangain)			Sabour			Mean			Bhubaneswar		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4303	Telangana Sona (NC-ED)	104	110	412	129	124	275	117	117	344	94	114	255
4305	WGL-14 (NC-MD)	99	132	393	126	122	273	113	127	333	103	111	241
4307	27P63 (HC)	101	121	390	114	108	299	108	114	345	99	102	257
4310	ZC	108	98	377	126	88	351	117	93	364	106	90	266
4312	33084 (H)	100	102	392	112	104	333	106	103	362	95	99	275
4313	BPT-5204 (NC-LD & RP)	104	94	380	129	88	375	117	91	378	106	96	274
4315	LC	101	121	385	120	90	252	110	105	318	106	126	272
Experimental Mean		102	111	389	122	103	308	113	107	349	101	105	262
Standard Error		0.13			0.58			0.3			0		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Odisha									Odisha (4)		
		Chiplima			Cuttack			Jeypore			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4303	Telangana Sona (NC-ED)	87	92	306	108	119	255	97	82	248	96	102	266
4305	WGL-14 (NC-MD)	85	83	322	120	125	223	110	90	354	105	102	285
4307	27P63 (HC)	87	97	286	120	123	194	111	78	336	104	100	268
4310	ZC	86	79	236	121	101	204	113	74	242	106	86	237
4312	33084 (H)	88	77	227	117	107	230	112	81	328	103	91	265
4313	BPT-5204 (NC-LD & RP)	84	80	318	124	101	192	113	77	298	106	89	270
4315	LC	84	75	301	121	130	263	108	88	361	105	105	299
Experimental Mean		85	83	285	118	115	223	109	81	309	104	96	270
Standard Error		0.88			1.35			0.68			0.36		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (8)		
		Uttar Pradesh			West Bengal			EASTERN (8)		
		Varanasi			chinsurah			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4303	Telangana Sona (NC-ED)	130	136	213	102	91	293	106	108	282
4305	WGL-14 (NC-MD)	102	131	233	113	105	288	107	112	291
4307	27P63 (HC)	96	114	220	103	90	287	104	104	284
4310	ZC	110	105	252	115	81	238	111	89	271
4312	33084 (H)	99	110	242	104	87	246	103	96	284
4313	BPT-5204 (NC-LD & RP)	112	104	282	124	85	326	112	91	306
4315	LC	119	102	265	102	87	246	108	102	293
Experimental Mean		109	114	243	109	89	274	107	100	287
Standard Error		0.53			0.8			0.19		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN											
		Bihar			Jharkhand			Uttar Pradesh					
		@Pusa			@Ranchi			@Gorakhpur			@Masodha		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4303	Telangana Sona (NC-ED)	116	102	236	106	110	221	125	124	430	106	108	292
4305	WGL-14 (NC-MD)	112	108	242	96	107	213	95	116	427	102	113	297
4307	27P63 (HC)	107	100	253	93	104	223	91	115	439	101	95	304
4310	ZC	110	87	244	104	84	214	100	100	430	109	113	284
4312	33084 (H)	94	94	235	98	95	260	90	111	407	102	96	295
4313	BPT-5204 (NC-LD & RP)	119	74	243	105	80	228	103	97	428	104	99	281
4315	LC	94	89	254	108	105	212	101	98	433	106	112	290
Experimental Mean		107	93	243	101	97	224	100	108	427	104	105	291

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN								
		Assam						Assam (2)		
		Gerua			Titabar			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4301	31494 (H)*	134	117	256	108	128	329	121	123	292
4303	Telangana Sona (NC-ED)	121	111	257	117	140	338	119	126	298
4305	WGL-14 (NC-MD)	134	114	250	110	136	321	122	125	285
4307	27P63 (HC)	130	102	276	108	126	337	119	114	306
4309	32717	134	110	266	110	135	337	122	122	302
4310	ZC	117	95	256	100	110	338	108	103	297
4311	32718	134	111	255	114	132	363	124	122	309
4312	33084 (H)	130	100	267	105	122	324	117	111	296
4313	BPT-5204 (NC-LD & RP)	141	87	279	116	113	344	128	100	312
4315	LC	138	166	257	124	148	316	131	157	286
Experimental Mean		131	111	261	111	129	334	121	120	298
Standard Error		0			0.65			0.33		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN									ZONE IV - NORTH EASTERN (4)		
		Tripura						Tripura (2)					
		Arundhutinagar			Lembucherra			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4301	31494 (H)*	96	145	840	100	100	283	98	123	562	110	123	427
4303	Telangana Sona (NC-ED)	74	151	733	100	115	300	87	133	516	103	129	407
4305	WGL-14 (NC-MD)	98	133	635	103	114	317	100	123	476	111	124	380
4307	27P63 (HC)	100	127	616	102	104	192	101	116	404	110	115	355
4309	32717	100	138	602	103	116	217	102	127	409	112	125	356
4310	ZC	92	124	709	105	106	217	98	115	463	103	109	380
4311	32718	96	128	583	103	117	217	100	123	400	112	122	354
4312	33084 (H)	98	128	616	102	80	258	100	104	437	109	107	366
4313	BPT-5204 (NC-LD & RP)	96	121	737	109	86	292	103	103	514	116	102	413
4315	LC	87	148	513	106	96	283	97	122	398	114	140	342
Experimental Mean		93	134	658	103	103	257	99	119	458	110	120	378
Standard Error		6.3			0.63			3.17			1.54		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL												ZONE V - CENTRAL (3)		
		Chhattisgarh			Maharashtra						Maharashtra (2)					
		Raipur			Sakoli			Sindewahi			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4303	Telangana Sona (NC-ED)	108	125	229	105	128	204	103	124	296	104	126	250	105	126	243
4305	WGL-14 (NC-MD)	107	123	232	107	118	211	107	129	319	107	124	265	107	124	254
4307	27P63 (HC)	107	123	223	100	113	268	102	126	336	101	120	302	103	121	276
4310	ZC	108	106	231	104	67	246	109	95	339	106	81	292	107	89	272
4312	33084 (H)	107	114	231	98	98	288	102	113	319	100	105	304	102	108	279
4313	BPT-5204 (NC-LD & RP)	115	108	237	107	95	234	109	98	350	108	96	292	110	100	274
4315	LC	104	106	218	105	106	312	96	114	330	100	110	321	102	109	287
Experimental Mean		108	115	228	103	103	251	104	114	327	104	109	289	105	111	269
Standard Error		0.45			0.53			0.41			0.36			0.25		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE V - CENTRAL		
		Madhya Pradesh		
		@Jabalpur		
		DDF	PH	PAN
4303	Telangana Sona (NC-ED)	108	88	178
4305	WGL-14 (NC-MD)	110	88	194
4307	27P63 (HC)	110	81	177
4310	ZC	113	66	221
4312	33084 (H)	112	78	228
4313	BPT-5204 (NC-LD & RP)	120	65	241
4315	LC	105	83	193
Experimental Mean		111	78	204

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN														
		Gujarat									Gujarat (3)			Maharashtra		
		Navasari			Nawagam			Vyra			Mean			Karjat		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4302	32672	95	135	179	103	118	313	99	120	198	99	124	230	103	126	257
4303	Telangana Sona (NC-ED)	109	132	147	105	120	288	111	141	230	108	131	222	104	135	253
4305	WGL-14 (NC-MD)	100	131	181	106	118	284	98	132	243	101	127	236	106	123	263
4306	32680	111	130	169	107	111	282	112	125	251	110	122	234	112	122	265
4307	27P63 (HC)	96	130	183	104	118	285	95	132	182	98	127	217	99	123	268
4308	32685	101	123	131	104	108	271	99	123	198	102	118	200	102	123	272
4310	ZC	107	112	170	107	97	281	112	113	250	109	107	234	111	105	272
4312	33084 (H)	95	119	206	103	111	283	97	119	263	98	117	251	106	111	244
4313	BPT-5204 (NC-LD & RP)	106	118	188	99	97	280	109	109	215	105	108	228	106	100	257
4314	32719	98	131	208	105	105	280	101	122	210	101	119	233	98	103	246
4315	LC	97	132	187	104	106	271	97	123	245	99	121	234	94	110	254
Experimental Mean		101	126	177	104	109	283	102	123	225	103	120	229	103	116	259
Standard Error		0.56			0.81			1.04			0.47			0.95		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN									ZONE VI - WESTERN (6)		
		Maharashtra						Maharashtra (3)			Mean		
		Radhanagari			Shirgaon			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4302	32672	102	98	205	102	119	138	102	114	200	101	119	215
4303	Telangana Sona (NC-ED)	109	102	195	116	132	176	110	123	208	109	127	215
4305	WGL-14 (NC-MD)	106	97	235	104	118	167	105	113	222	103	120	229
4306	32680	113	86	225	116	118	180	114	109	223	112	115	229
4307	27P63 (HC)	106	93	214	100	114	152	102	110	211	100	118	214
4308	32685	103	80	212	106	117	171	104	107	219	103	112	209
4310	ZC	118	76	246	116	97	159	115	93	225	112	100	230
4312	33084 (H)	108	82	222	96	109	173	103	101	213	101	109	232
4313	BPT-5204 (NC-LD & RP)	113	77	265	110	95	174	110	91	232	107	99	230
4314	32719	100	73	237	97	112	139	99	96	207	100	108	220
4315	LC	92	88	207	96	109	160	94	102	207	97	111	221
Experimental Mean		106	86	223	105	112	162	105	105	215	104	113	222
Standard Error		0.34			0.44			0.37			0.3		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh									Andhra Pradesh (3)			Karnataka		
		Bapatla			Maruteru			Ragolu			Mean			Mugad		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4303	Telangana Sona (NC-ED)	87	105	241	93	135	334	97	108	253	92	116	276	95	79	311
4304	32675	84	99	228	92	118	306	92	112	310	89	110	281	98	73	336
4305	WGL-14 (NC-MD)	100	110	304	101	139	343	104	128	205	102	126	284	86	80	330
4306	32680	96	106	238	113	142	356	112	144	257	107	131	284	131	74	352
4307	27P63 (HC)	96	102	294	87	129	336	104	117	268	96	116	299	92	78	338
4310	ZC	101	103	298	103	133	332	107	100	194	104	112	275	102	68	385
4312	33084 (H)	95	102	264	93	128	339	99	107	246	95	112	283	103	66	364
4313	BPT-5204 (NC-LD & RP)	103	93	301	104	126	341	108	100	218	105	106	287	106	83	408
4315	LC	110	95	312	104	114	315	106	104	253	107	104	293	102	73	387
Experimental Mean		96	101	275	98	129	333	103	113	244	100	115	285	101	74	356
Standard Error		1.63			0.81			0.4			0.66			3.26		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka						Karnataka (3)			Kerala			Puducherry		
		Mandya			Gangavati			Mean			Pattambi			Karaikal		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4303	Telangana Sona (NC-ED)	103	94	283	100	106	275	99	93	290	95	95	548	82	78	576
4304	32675	99	79	317	98	93	282	98	82	312	100	96	436	86	83	528
4305	WGL-14 (NC-MD)	106	96	306	110	110	318	101	96	318	111	117	531	95	95	549
4306	32680	119	93	261	113	113	323	121	93	312	109	103	538	96	102	473
4307	27P63 (HC)	114	99	340	103	100	311	103	92	330	107	108	528	86	91	506
4310	ZC	112	86	317	111	98	352	108	84	351	113	106	521	85	96	515
4312	33084 (H)	88	90	329	107	91	273	99	82	322	104	101	509	95	88	586
4313	BPT-5204 (NC-LD & RP)	106	76	261	111	91	344	107	83	338	105	99	502	107	70	502
4315	LC	98	103	306	104	104	346	101	93	346	106	131	514	102	74	592
Experimental Mean		105	90	302	106	100	313	104	89	324	105	106	514	92	86	536
Standard Error		0.49			0.63			1.12			0.51			0.88		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka						Karnataka (3)			Kerala			Puducherry		
		Mandya			Gangavati			Mean			Pattambi			Karaikal		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4303	Telangana Sona (NC-ED)	103	94	283	100	106	275	99	93	290	95	95	548	82	78	576
4304	32675	99	79	317	98	93	282	98	82	312	100	96	436	86	83	528
4305	WGL-14 (NC-MD)	106	96	306	110	110	318	101	96	318	111	117	531	95	95	549
4306	32680	119	93	261	113	113	323	121	93	312	109	103	538	96	102	473
4307	27P63 (HC)	114	99	340	103	100	311	103	92	330	107	108	528	86	91	506
4310	ZC	112	86	317	111	98	352	108	84	351	113	106	521	85	96	515
4312	33084 (H)	88	90	329	107	91	273	99	82	322	104	101	509	95	88	586
4313	BPT-5204 (NC-LD & RP)	106	76	261	111	91	344	107	83	338	105	99	502	107	70	502
4315	LC	98	103	306	104	104	346	101	93	346	106	131	514	102	74	592
Experimental Mean		105	90	302	106	100	313	104	89	324	105	106	514	92	86	536
Standard Error		0.49			0.63			1.12			0.51			0.88		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Telangana						Telangana (2)			Tamil Nadu		
		Rajendranagar			Warangal			Mean			Adutrai		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4303	Telangana Sona (NC-ED)	108	101	326	104	132	446	106	117	386	100	68	337
4304	32675	108	98	396	98	113	436	103	105	416	99	69	318
4305	WGL-14 (NC-MD)	117	99	325	105	120	450	111	109	387	102	80	326
4306	32680	123	99	365	107	123	423	115	111	394	102	82	337
4307	27P63 (HC)	118	94	388	101	114	441	110	104	415	102	70	322
4310	ZC	122	100	347	106	114	431	114	107	389	101	85	311
4312	33084 (H)	118	97	412	103	107	443	111	102	427	101	85	319
4313	BPT-5204 (NC-LD & RP)	122	83	355	108	96	434	115	90	394	105	75	336
4315	LC	108	92	298	97	106	443	103	99	370	104	95	344
Experimental Mean		116	95	356	103	113	438	110	105	398	101	78	327
Standard Error		0.61			0.82			0.59			1.02		

Table No. 11.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (13)		
		Tamil Nadu						Tamil Nadu (3)					
		Tirur			Coimbatore			Mean			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4303	Telangana Sona (NC-ED)	85	86	215	100	110	323	95	88	292	96	100	344
4304	32675	84	78	283	105	106	335	96	84	312	96	94	347
4305	WGL-14 (NC-MD)	93	95	292	113	112	335	102	96	318	103	106	355
4306	32680	97	89	316	118	113	345	106	95	333	110	106	353
4307	27P63 (HC)	88	87	347	105	107	368	98	88	346	100	100	368
4310	ZC	93	90	261	115	109	407	103	95	326	106	99	359
4312	33084 (H)	88	101	301	109	103	362	99	96	327	100	97	365
4313	BPT-5204 (NC-LD & RP)	93	91	230	118	104	362	105	90	309	107	91	353
4315	LC	89	91	309	118	104	357	104	97	336	104	99	367
Experimental Mean		90	89	283	111	107	354	101	92	322	102	99	357
Standard Error		0.44			0.61			0.38			0.38		

Table No. 11.4: Grain quality characteristics of entries in AVT 2 & 1 – MS, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1435	4301	31494(H)	79.6	68.6	51.2	4.81	1.84	2.61	MS	OC	4.0	22.82	35
1436	4302	32672	76.7	64.5	57.5	5.19	1.93	2.68	MS	VOC	4.0	24.17	41
1437	4303	Telangana Sona	79.0	69.0	59.0	5.74	1.56	3.67	SS	VOC	4.0	21.41	25
1438	4304	32675	80.5	67.4	41.8	4.96	1.78	2.78	MS	VOC	7.0	25.31	61
1439	4305	WGL-14(N.C)	79.6	69.2	59.2	5.20	1.82	2.85	MS	VOC	4.0	26.63	24
1440	4306	32680	77.6	67.7	38.4	5.70	1.99	2.86	MS	VOC	4.0	24.81	63
1441	4307	27 P63(H.C)	79.5	68.0	60.6	5.08	1.90	2.67	MS	VOC	4.0	24.43	36
1442	4308	32685	78.4	67.5	57.7	5.38	1.71	3.14	MS	A	4.0	26.78	46
1443	4309	32717	77.8	68.0	63.3	5.41	1.89	2.86	MS	OC	5.0	26.13	30
1444	4310	ADT-49(Z.C)	79.9	69.0	58.5	4.83	1.63	2.96	MS	VOC	4.0	22.41	22
1445	4311	32718	78.7	63.5	49.9	5.60	2.10	2.66	MS	VOC	4.0	22.00	22
1446	4312	33084(H)	82.1	71.3	52.7	5.18	1.92	2.69	MS	VOC	7.0	22.52	26
1447	4313	BPT-5204(N.C)	79.4	69.3	58.5	5.00	1.80	2.77	MS	VOC	4.0	24.31	22
1448	4314	32719	78.2	69.4	64.5	5.04	1.87	2.69	MS	VOC	5.0	25.69	45
1449	4315	LC	79.1	65.8	40.6	5.01	1.74	2.87	MS	VOC	4.0	26.86	43
HULL: Hulling(%) MILL:Milling(%) HRR:Head Rice Recovery KL:Kernal length (mm) KB:Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC:Kernal length after cooking WU:Water uptake ER:Elongation ratio AC:Amylose content (%))ASV:Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL – MEDIUM SLENDER (IVT-MS)**Locations: 40****Test Entries: 59**

Checks: **National:** Telangana Sona (NC-Early), WGL 14 (NC-Medium), BPT 5204 (NC-Late); **Zonal:** Improved Samba Mahsuri (Eastern and Central), Ketekejoha (North Eastern), Karjat-6 (Western) & ADT49 (Southern) and Local Check.

Table: 12

Initial Variety Trial - Medium Slender grain (IVT-MS) was constituted with 59 entries and five checks, National (Telangana Sona (Early), WGL 14 (Medium) & BPT 5204 (Late)); Zonal-Improved Samba Mahsuri (Eastern and Central), Ketekejoha (North Eastern), Karjat-6 (Western), ADT49 (Southern) and Local Check. The trial was sent to 40 locations and data was received from 38 locations. Data was not received from Kurumbapet and Karaikal. Data from Gorakhpur and Arundhutinagar was not considered due to low experimental mean while data from Chinsurah, Gerua and Lembucherra was not included due to non-significance of the data.

Zones	III	IV	V	VI	VII
Zonal mean (Kg/ha)	3236 (IET 33711) - 6015 (IET 33736)	2976 (IET 33707) - 7460 (WGL-14 (NMDC))	2288 (IET 33711) - 5773 (IET 33737)	3140 (IET 33711) - 5603 (IET 33722)	4004 (IET 33718) - 6161 (IET 33697)
Exp Mean (Kg/ha)	4009 (Sabour) - 6054 (Varanasi)	5045 (Titabar)	4163 (Sindewahi) - 4588 (Sakoli)	3945 (Shrigaon) - 4979 (Radhanagari)	4499 (Bapatla) - 6518 (Ragolu)
CV%	4.12 (Pusa) - 16.58 (Bhubaneswar)	6.3 (Titabar)	7.36 (Jabalpur) - 14.62 (Raipur)	8.52 (Navasari) - 13.42 (Radhanagari)	4.58 (Tirur) - 12.62 (Coimbatore)
DFF	95 (IET 33707) - 136 (IET 33698)	100 (IET 33737) - 131 (IET 33690)	85 (IET 33717) - 128 (IET 33711)	92 (IET 33718) - 122 (IET 33703)	92 (IET 33707) - 117 (IET 33711)
PH (cm)	87 (IET 33696) - 119 (IET 33718)	98 (IET 33726) - 149 (IET 33718)	81 (IET 33735) - 121 (IET 33718)	92 (BPT 5204 (NLDC)) - 127 (IET 33711)	82 (IET 33686) and (IET 33733) - 118 (IET 33718) and (IET 33711)
Pan/m ²	243 (IET 33732) - 406 (IET 33697)	244 (IET 33700) - 362 (IET 33689)	196 (IET 33698) - 303 (IET 33738)	208 (IET 33721) - 257 (IET 33727)	297 (IET 33693) - 403 (Telangana Sona (NEDC))
DNI (Data not included)	-	-	-	-	-
Locations considered	10	1	4	6	12

Performance of entries in Kharif 2025

Based on yield advantage over the best varietal check (BVC) several entries across four zones were promoted as listed in the Table....

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha)				Promoted
	III	V	VI	VII	
33683			5348*		VI
33685				5857*	VII
33690				6080*	VII
33691				5766*	VII
33697			5912*	6161*	VI, VII
33702				6083*	VII
33704				5813*	VII
33710		5580*			V
33722			5306*	5977*	VI, VII
33728		5540*	5949*		V, VI
33729				6000*	VII
33730		5592*			V
33736	6015*	5773*			III, V
Telangana Sona (NEDC)	4699	3801	4430	5303	-
WGL 14 (NMDC)	5010	4400	4306	5329	-
BPT 5204 (NLDC & RP)	4950	4464	3947	5374	-
Zonal check (ZC)	4585	3674	3844	4834	-
Local check (LC)	5552	4952	4911	5561	-
CD	406	544	416	283	-
BVC + CD	5958	5496	5327	5844	-

Summary: Overall 13 entries were promoted to AVT 1 in four different zones based on the yield advantage over the BVC.

Zone	IET Numbers
III	IETs 33736
V	IETs 33710, 33728, 33730, 33736
VI	IETs 33683, 33697, 33722, 33728
VII	IETs 33685, 33690, 33691, 33697, 33702, 33704, 33722, 33729

Table No. 12.1: Composition of entries in Initial Variety Trial – Medium Slender Grain (IVT – MS), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
4401	33682	TRC 2025-7	Tripura NirogXTripura Jala	MS
4402	33683	TRC 2025-2	Tripura Jala/Naveen	MS
4403	33684	NVSR-917	IET-22121XIET-24021	MS
4404	33685	NVSR-1361	IET-24021XIR-28	MS
4405	33686	BNR-346 (PVT)	BNR 680/MTU 1156	MS
4406	33687	SYE-592-27-1115-8-45-36	SYE-35XSYE-3-6-17-11-42-9	SS
4407	33688	NWGR-19183	GR-11XIIRON-M-1-216/1-2-2-2-1-1-1	MS
4408	33689	NWGR-20049	Pusa Bas x GR 11/1-1-1-1-1	MS
4409	33690	RGL 7039 (MTU RM 428-44-1-1)	MTU1262/MTU1075	
4410	33691	RGL 7044 (RGL 2021-70-1-1)	MTU 1194/MTU 1224	
4411	33692	RDR 6129	(WGL 1119/NLR 34449)/RDR 1200	MS
4412	33693	BPT 3456	BPT 2270/BPT 2604	MS
4413	33694	NLR 3955	BPT5 3291 X IR 64	SG,MS
4414	33695	TM 15134	ADT 43/NLR 34449	MS
4415	33696	PKV HMT	Selection from local strain HMT Sona	SS
4416	33697	NP 7062 (PVT)	GB 2 X NP 9534	MS
4417	33698	NDR 2025-5-CP-03	Rajendra Bhagwati/Pusa Sugandha 5	
4418	33699	R 2868-kh-23-LST-C37-50-1	Swarna/MTU 1010	MS
4419	Telangana Sona (NEDC)			
4420	33700	R 2851-kh-23-LST-C14-50-1	RGM-AS-45/R2032-93-1-25-1	MS
4421	33701	RFS 2019-3	PKV HMT/Trombay chhattisgarh Dubraj Mutant (TCDM)	SS
4422	33702	MTU 1426 (MTU 2896-58-1-1)	MTU 1121/NLR 34449	SS
4423	33703	MTU 1455 (MTU 2906-22-1-3-1)	MTU 1262/RP Bio 226	MS SG
4424	33704	MTU 1456 (MTU 2905-4-2-2-1)	MTU 1262/RNR 15048	MS SG
4425	33705	CB 22141	CO 52/Imp.Samba Mahsuri	MS
4426	33706	CB 22577	CO 51/IET 24313	MS
4427	33707	KJT RHR-2101	BPT 5204/Karjat	MS
4428	33708	KJT WK 2022	Mutant OF Wada Kolam	SS
4429	33709	BRR 0314	Rajendra Mahsuri-1 x BPT 5204	MS
4430	33710	BRR 0315	BPT 5204 x PRR 78	MS
4431	33711	AD 19661	MDU 5 x AC.18	MS
4432	33712	ADT 21184	Turantdhan / IET 22075-12-3-3-1	MS
4433	33713	JGL 47856	(IR 58025B X JGL 18264-2)X (IR 80559 B X RNR 15048)	MS
4434	33714	KNM 18583	KNM 1638 X JGL 27356	SS
4435		WGL-14 (NMDC)		
4436	33715	KNM 18592	KNM 1638 X JGL 27357	MS
4437	33716	BRR-2278	IR 825865/ IR 82861-B (ORJ 1161-Sel.)	

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4438	33717	RDN 24-08	Phule Radha x Tetup	
4439	33718	KMP-265	(white rajamudi x BR-2655)-1	MS
4440	33719	MSAC 24-36-8	BPT 5204 X O rufipogon 14	MS
4441	33720	NDRB 001	APMS 9B/APMS 12B	MS
4442	33721	WGL-2056	WGL 347/CB 13532//NLR 34449/AD13121	MS
4443	33722	OR ABT 21	Swarna/Lalat	
4444	33723	CR 4350-546-27-1-2-1	CRL22R / MTU1071	MS
4445	33724	CR 3993-33-58-11-3	CR 1009 /O. brachyantha//CR 1009	MS
4446	BPT-5204 (NLDC & RP)			
4447	33725	CRAC-3998-118-4	Doubled Haploid of 27P63	MS
4448	33726	CRAC-3998-169-2	Doubled Haploid of 27P63	MS
4449	33727	CR 4171-2-1-1-2-B-1	CR Dhan 311/BPT-5204	MS
4450	33728	CR 6527-1-1-1-2-1	Sabourshree/ CR Dhan 316	MS
4451	33729	CR 6535 -1-2-4-2-1	Imp Tapaswini/CR 3580-3-2-1-1-1-2	MS
4452	Improved Samba Mahsuri (Eastern and Central), Ketekejoha (North Eastern), Karjat-6 (Western) and ADT 49 (Southern) (ZC)			
4453	33730	CR 4375 -1-2-1-1-2	CR 3522-1-2-1-1-1-1-2/ CR3497-7-1-3-2-2-1	MS
4454	33731	CR 3562 -2 -1-1-1-1	Surendra /N 22	MS
4455	33732	RP 6872-JBB 6729-PRKZ-AM4	DRR Dhan 54/IRGC 19642//DRR Dhan 44/Charongphou	
4456	33733	RP 6905 MSM-101	T1-128 X BBPT-5204	MS
4457	33734	RP 5084-KS2202-167	Sona/Malaysia	MS
4458	33735	RP6458-db-C1-111	swarna//166s-swarna/0. (ITS NOT CLEAR)	MS
4459	33736	NDR 2025-17-TFR-ICAR-2	PBI dwarf mutant/MTU 1010	MS
4460	33737	KPS-14433	KPS-3219/NLR3349	MS
4461	33738	KPS-14932	PAU3832-79-4-3-1/RNR15048	MS
4462	33739	DH 47 (PVT)	DAFTARI-1008/Lalat MAS/CR Dhan 801	SS
4463	33740	RP 6838-YI-2549	Samba Mahsuri/IR121050-1-8-5//Improved Samba Mahsuri/Karuppunel-6-1	MS
4464		Local Check		

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Table No. 12.2: Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (3)		Jharkhand		Odisha	
		Bikramganj (Dhangain)		Pusa		Sabour		Mean		Ranchi		Chiplima	
4401	33682	4970		3970		4405		4448		5405		5053	
4402	33683	5496		4159		4700		4785		4795		4699	
4403	33684	5045		4157		4110		4437		4525		4965	
4404	33685	5949	10	4477	9	4030		4819		4425		5940	
4405	33686	4840		4141		3590		4190		4860		5257	
4406	33687	5155		4655	4	3395		4402		4190		5585	
4407	33688	4209		3773		4640		4207		4725		6206	
4408	33689	5032		3862		4385		4426		4220		4255	
4409	33690	3879		3080		5200	5	4053		5435		6649	6
4410	33691	4241		4632	5	3810		4228		5130		5940	
4411	33692	5255		3975		3575		4268		3985		4902	
4412	33693	5135		3405		4230		4257		4390		3812	
4413	33694	4930		4745	1*	4830	10	4835		5405		3635	
4414	33695	5158		3989		3325		4157		4795		3901	
4415	33696	4417		3432		4070		3973		5270		6206	
4416	33697	6086	6	3575		5800	1	5154	3	6550	2	5585	
4417	33698	6344	3	3962		4270		4859	10	5280		6622	9
4418	33699	5493		3377		4655		4508		5335		6472	
4419	Telangana Sona (NEDC)	5978	9	3205		4340		4508		4590		6560	10
4420	33700	4787		4616	7	3910		4438		4730		6294	
4421	33701	5051		4382		3735		4389		4190		4761	
4422	33702	5397		3852		4105		4451		4605		5275	
4423	33703	2927		3429		3805		3387		5130		6117	
4424	33704	3462		3459		2845		3255		4780		4255	
4425	33705	3499		3232		3490		3407		5675		6915	1
4426	33706	4876		3959		3735		4190		4460		5337	
4427	33707	4614		4484	8	2745		3948		5230		4823	
4428	33708	4682		3832		3730		4081		4660		4796	
4429	33709	6033	8	3907		5170	6	5037	6	5875	6	5301	
4430	33710	6288	4	3466		5495	2	5083	4	5535		5168	
4431	33711	2862		4718	2*	1905		3162		4595		3254	
4432	33712	4277		3979		3700		3985		3715		4459	
4433	33713	5236		4421	10	4580		4746		5065		4255	
4434	33714	3834		3998		2905		3579		4525		6640	8
4435	WGL-14 (NMDC)	3882		4098		4885	8	4288		5675	10	5142	
4436	33715	5047		4393		4100		4513		5470		4255	
4437	33716	5231		3941		4165		4446		5500		6906	2
4438	33717	3788		3975		2960		3574		5470		6826	3
4439	33718	5079		4002		2625		3902		4865		5319	
4440	33719	4931		4234		3410		4192		5840	7	3901	
4441	33720	4542		4307		3305		4051		5065		6206	
4442	33721	5893		4000		5280	4	5058	5	5740	8	4796	
4443	33722	6071	7	4004		4860	9	4978	7	5505		5301	
4444	33723	5882		3941		4800		4874	9	4895		5168	
4445	33724	6860	2	3996		5480	3	5446	1	6415	3	3254	
4446	BPT-5204 (NLDC & RP)	5555		3996		5095	7	4882	8	5130		4459	
4447	33725	5002		3854		4015		4290		6620	1*	4255	
4448	33726	4251		3984		3195		3810		5100		6826	3
4449	33727	5189		4139		4385		4571		4660		6294	
4450	33728	5307		4143		4625		4692		5705	9	5319	
4451	33729	5196		3862		4195		4418		5370		3901	
4452	ZC	4274		4034		4465		4258		5135		6206	
4453	33730	6234	5	3845		3450		4510		6215	4	4796	
4454	33731	5043		3032		4025		4034		5265		5301	
4455	33732	4874		4200		2670		3915		5230		5168	
4456	33733	5357		4012		3700		4357		4795		3590	
4457	33734	4989		4159		4695		4614		4795		4459	
4458	33735	3231		4304		2215		3250		4625		4255	
4459	33736	5911		4039		4205		4718		6075	5	6649	6
4460	33737	4616		4625	6	3390		4210		4325		6826	3
4461	33738	5071		4698	3*	4030		4600		4560		5319	
4462	33739	4903		4154		3720		4259		4595		6525	
4463	33740	4694		3962		3380		4012		4525		3901	
4464	LC	7094	1	4407		4020		5174	2	5335		6206	
Experimental Mean		4991		4010		4009		4337		5072		5269	
CD(0.05)		1266		280		753		518		903		895	
CV(%)		12.69		4.12		9.4		5.97		8.91		8.5	
F val		3.79**		16.27**		9.09**		7.21**		3.68**		10.5**	
DOS		24-06-2025		26-06-2025		13-06-2025				27-06-2025		15-07-2025	
DOP		09-08-2025		25-07-2025		08-07-2025				18-07-2025		04-08-2025	
Local Check Name		Sabour Pratap		R. Sweta		Rajendra Sweta				Swarna		MTU 1156	

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN										
		Odisha		Odisha				Odisha (4)		Uttar Pradesh		
		Cuttack		Bhubaneswar		Jeypore		Mean		Masodha		Varanasi
4401	33682	4890		4500		5428		4968		5412		8284
4402	33683	5524		4021		7736	2*	5495	9	5492		7108
4403	33684	4300		7354	1*	5447		5516	8	6416	2	8260
4404	33685	3605		4500		5056		4775		5319		7647
4405	33686	4500		4021		4956		4683		5339		7083
4406	33687	6286	4	3271		4458		4900		6250	5	1140
4407	33688	3375		6354	2*	5603		5384		6024	6	7978
4408	33689	3149		4542		4500		4111		5658		7243
4409	33690	6075	7	5146	10	6028		5974	2	4654		5674
4410	33691	6196	5	5271	8	5292		5675	6	5186		3725
4411	33692	3893		4938		4453		4546		6283	3	8346
4412	33693	5619		3188		5906		4631		4262		5551
4413	33694	5381		4708		6678	7	5100		5366		5306
4414	33695	3285		4667		4647		4125		5539		5931
4415	33696	4190		1729		4589		4178		4455		6066
4416	33697	4400		6146	3	4519		5163		5638		8407
4417	33698	3310		5917	5	4644		5123		5831		6017
4418	33699	6482	3	4708		5733		5849	5	4987		6703
4419	Telangana Sona (NEDC)	3900		4229		4819		4877		5565		3799
4420	33700	5635	10	3625		5553		5277		4229		3591
4421	33701	4685		2292		4892		4157		5452		4203
4422	33702	4250		6125	4	6300	10	5487	10	4854		7120
4423	33703	4715		4604		6636	8	5518	7	2507		1826
4424	33704	5225		4167		5247		4724		3797		2623
4425	33705	5900	9	3167		5717		5425		4854		3627
4426	33706	2548		4875		4425		4296		5791		5956
4427	33707	2895		2854		4550		3781		5359		6801
4428	33708	3825		3583		4981		4296		5093		3113
4429	33709	4695		3625		4556		4544		4455		5993
4430	33710	4570		3062		6967	5	4942		5738		6630
4431	33711	4570		2854		4956		3908		2134		515
4432	33712	2925		3521		4417		3830		5931	8	6949
4433	33713	3170		4646		5311		4346		5492		4828
4434	33714	2845		3792		5142		4605		4960		6029
4435	WGL-14 (NMDC)	3775		4833		6103		4963		4368		7341
4436	33715	2725		4917		4481		4094		5160		6409
4437	33716	3050		5271	8	4417		4911		5838	10	8321
4438	33717	3660		1792		3644		3981		5585		5037
4439	33718	1635		4833		5142		4232		4541		4020
4440	33719	2690		3250		4517		3589		4867		6703
4441	33720	2790		4479		5467		4735		5831		5711
4442	33721	4970		4708		6700	6	5294		4721		6973
4443	33722	4850		4708		4506		4841		4634		7586
4444	33723	3630		3750		6281		4707		5984	7	6397
4445	33724	4545		5625	6	6372	9	4949		4335		6605
4446	BPT-5204 (NLDC & RP)	6150	6	4062		4425		4774		4993		5637
4447	33725	4215		2396		3797		3666		5519		7022
4448	33726	3480		1438		4167		3978		4900		7623
4449	33727	2060		3625		4681		4165		5884	9	7782
4450	33728	6030	8	5354	7	7119	4	5956	3	6270	4	6900
4451	33729	5101		4812		3889		4426		5379		7169
4452	ZC	4175		3188		4578		4536		4242		5551
4453	33730	4452		4375		5678		4825		5233		8382
4454	33731	5240		3625		4244		4603		5013		7010
4455	33732	4500		3104		4244		4254		6549	1	9473
4456	33733	3835		4875		3644		3986		5412		6299
4457	33734	3155		3021		3983		3655		5399		5539
4458	33735	2185		3562		7164	3	4292		4488		4020
4459	33736	6780	1	3625		7806	1*	6215	1	5432		9632
4460	33737	3080		4271		5872		5012		4787		6152
4461	33738	4850		2583		4633		4346		4422		4301
4462	33739	4970		2500		4186		4545		4854		4375
4463	33740	4964		3792		4028		4171		5432		7770
4464	LC	6550	2	4708		6283		5937	4	5266		5650
Experimental Mean		4295		4111		5190		4716		5151		6054
CD(0.05)		941		1362		1381		635		1220		1459
CV(%)		10.97		16.58		13.31		6.74		11.85		12.06
F val		13.33**		5.77**		4.22**		7.96**		3.36**		13.37**
DOS		10-06-2025		12-07-2025		29-06-2025				30-06-2025		20-06-2025
DOP		23-07-2025		13-08-2025		01-08-2025				05-08-2025		14-07-2025
Local Check Name		CR Dhan 910		Manaswini		Kalinga Dhan 1203				Sambha Mahsuri Sub 1		HUR 917

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN		ZONE III - EASTERN (10)		ZONE IV - NORTH EASTERN		ZONE V - CENTRAL	
		Uttar Pradesh (2)		EASTERN (10)		Assam		Chhattisgarh	
		Mean		Mean		Titabar		Raipur	
4401	33682	6848	8*	5232		5080		5607	10
4402	33683	6300		5373	8	4161		6071	5
4403	33684	7338	3*	5458	5	5017		5091	
4404	33685	6483		5095		5234		4178	
4405	33686	6211		4859		4721		2602	
4406	33687	3695		4438		5902		3770	
4407	33688	7001	7*	5289		4709		6060	6
4408	33689	6450		4685		5057		5448	
4409	33690	5164		5182		6513	8	5964	7
4410	33691	4456		4942		4346		5102	
4411	33692	7314	4*	4960		4820		4649	
4412	33693	4907		4550		5147		4938	
4413	33694	5336		5098		7042	4	5142	
4414	33695	5735		4524		2953		3963	
4415	33696	5260		4442		4318		3407	
4416	33697	7023	6*	5671	3	7820	1	5028	
4417	33698	5924		5220		3107		5028	
4418	33699	5845		5395	6	5830		6355	3*
4419	Telangana Sona (NEDC)	4682		4699		4816		3090	
4420	33700	3910		4697		4871		6638	2*
4421	33701	4828		4364		4824		6270	4
4422	33702	5987		5188		5909		4410	
4423	33703	2166		4170		4547		3707	
4424	33704	3210		3986		3425		3690	
4425	33705	4241		4608		5902		4949	
4426	33706	5874		4596		3951		3934	
4427	33707	6080		4436		2976		3793	
4428	33708	4103		4230		5163		3486	
4429	33709	5224		4961		5152		5170	
4430	33710	6184		5292	10	6142		5726	9
4431	33711	1325		3236		3119		2029	
4432	33712	6440		4387		3387		3685	
4433	33713	5160		4701		3529		3373	
4434	33714	5495		4467		3280		4036	
4435	WGL-14 (NMDC)	5855		5010		7460	2	4042	
4436	33715	5784		4696		4354		4467	
4437	33716	7079	5*	5264		3896		4053	
4438	33717	5311		4274		4421		3095	
4439	33718	4280		4206		4820		2029	
4440	33719	5785		4434		5518		3056	
4441	33720	5771		4770		5302		5431	
4442	33721	5847		5378	7	6931	5	4354	
4443	33722	6110		5203		7209	3	5351	
4444	33723	6191		5073		5878		4529	
4445	33724	5470		5349	9	6627	7	4172	
4446	BPT-5204 (NLDC & RP)	5315		4950		4883		4546	
4447	33725	6270		4669		5357		4382	
4448	33726	6261		4496		4030		2579	
4449	33727	6833	9*	4870		5842		4569	
4450	33728	6585		5677	2	5838		6797	1*
4451	33729	6274		4888		6170	10	4524	
4452	ZC	4897		4585		6071		2823	
4453	33730	6808	10	5266		6091		5539	
4454	33731	6012		4780		6276	9	3759	
4455	33732	8011	1*	5001		5794		5028	
4456	33733	5856		4552		5526		5516	
4457	33734	5469		4419		4453		4093	
4458	33735	4254		4005		2467		2562	
4459	33736	7532	2*	6015	1*	6924	6	5890	8
4460	33737	5470		4794		3422		4688	
4461	33738	4362		4447		4686		4694	
4462	33739	4614		4478		3292		2608	
4463	33740	6601		4645		4852		3929	
4464	LC	5458		5552	4	5716		5051	
Experimental Mean		5603		4815		5045		4446	
CD(0.05)		975		406		635		1299	
CV(%)		8.7		4.22		6.3		14.62	
F val		12.25**		11.12**		29.34**		6.05**	
DOS						28-06-2025		20-06-2025	
DOP						28-07-2025		21-07-2025	
Local Check Name						Ranjit Sub 1		Chhattisgarh Dhan 1919	

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL								ZONE V - CENTRAL (4)		ZONE VI - WESTERN Gujarat	
		Maharashtra				Maharashtra (2)		Madhya Pradesh		Mean		Vyra	
		Sakoli		Sindewahi		Mean		Jabalpur					
4401	33682	4100		4495		4298		6184	3*	5096	8	6218	3*
4402	33683	4100		4276		4188		6250	2*	5174	5	5003	
4403	33684	4650		3996		4323		5253		4747		4067	
4404	33685	5450		4021		4735		4854		4626		3904	
4405	33686	6500	2*	5455	3*	5977	3*	4322		4720		4111	
4406	33687	4500		3960		4230		3125		3839		4877	
4407	33688	5700		3960		4830		4588		5077	9	4233	
4408	33689	5500		4040		4770		5120		5027	10	4541	
4409	33690	4800		3925		4363		2726		4354		4102	
4410	33691	5400		3696		4548		1396		3899		5625	10
4411	33692	3250		3521		3385		4787		4052		3783	
4412	33693	3850		4536		4193		2527		3962		5059	
4413	33694	4500		5277	4	4888		3457		4594		5404	
4414	33695	3200		4070		3635		4854		4021		3896	
4415	33696	1750		4066		2908		5053		3569		3973	
4416	33697	4800		3526		4163		6316	1*	4918		6375	1*
4417	33698	2450		3745		3098		4122		3836		4339	
4418	33699	4600		4011		4305		4255		4805		5541	
4419	Telangana Sona (NEDC)	3500		3825		3663		4787		3801		3879	
4420	33700	3900		4881	7	4390		3657		4769		4740	
4421	33701	3750		3950		3850		4189		4540		4772	
4422	33702	2750		4001		3375		5319	7	4120		5460	
4423	33703	3600		3555		3578		3524		3597		3243	
4424	33704	3250		4725	10	3988		2128		3448		4146	
4425	33705	3000		3980		3490		2793		3680		4535	
4426	33706	4000		3630		3815		5053		4154		3385	
4427	33707	5900	9	3920		4910		3856		4367		3618	
4428	33708	3750		3731		3740		4189		3789		4079	
4429	33709	5800	10	4820	9	5310	5	4854		5161	6	3605	
4430	33710	5700		6375	1*	6038	2*	4521		5580	3*	6038	5*
4431	33711	2350		3641		2995		1130		2288		1610	
4432	33712	5750		3901		4825		5053		4597		4219	
4433	33713	5450		3670		4560		4721		4304		2509	
4434	33714	3800		3595		3698		3258		3672		2741	
4435	WGL-14 (NMDC)	5300		4271		4785		3989		4400		4567	
4436	33715	4400		4446		4423		5386	6	4675		2584	
4437	33716	4400		4055		4228		5319	7	4457		3819	
4438	33717	3300		3891		3595		4255		3635		3576	
4439	33718	4500		3701		4100		5053		3821		1319	
4440	33719	3600		3661		3630		3258		3394		3223	
4441	33720	3500		3911		3705		3524		4091		4074	
4442	33721	4150		4036		4093		4255		4199		4044	
4443	33722	4700		4836	8	4768		5652	5	5135	7	5722	9*
4444	33723	5650		3670		4660		5851	4	4925		4279	
4445	33724	4950		4125		4538		5253	10	4625		3570	
4446	BPT-5204 (NLDC & RP)	3650		4340		3995		5319	7	4464		4518	
4447	33725	4250		3781		4015		4189		4150		5908	7*
4448	33726	4900		3871		4385		3723		3768		4094	
4449	33727	5950	7	3991		4970		4322		4708		3883	
4450	33728	6300	3	3875		5088	8	5186		5540	4*	5515	
4451	33729	4900		5106	5	5003	10	3391		4480		5330	
4452	ZC	4600		3950		4275		3324		3674		3411	
4453	33730	5950	7	6225	2*	6088	1*	4654		5592	2*	6154	4*
4454	33731	4300		4011		4155		3324		3848		5990	6*
4455	33732	5100		3755		4427		4189		4518		5822	8*
4456	33733	6150	4	4080		5115	7	3856		4901		3865	
4457	33734	4150		4356		4253		3524		4031		4008	
4458	33735	5100		4200		4650		2726		3647		3727	
4459	33736	6850	1*	5101	6	5975	4*	5253		5773	1*	6348	2*
4460	33737	6150	4	4225		5188	6	4122		4796		3838	
4461	33738	4950		3991		4470		4122		4439		4710	
4462	33739	5150		3690		4420		3524		3743		4532	
4463	33740	6150	4	3991		5070	9	4189		4565		4518	
4464	LC	5250		4521		4885		4987		4952		4681	
Experimental Mean		4588		4163		4375		4249		4361		4363	
CD(0.05)		1174		866		695		625		544		1040	
CV(%)		12.8		10.4		7.95		7.36		6.24		11.93	
F val		7.05**		3.61**		8.07**		23.66**		10.99**		8.45**	
DOS		23-06-2025		16-06-2025				14-06-2025				18-06-2025	
DOP		19-07-2025		17-07-2025				08-07-2025				24-07-2025	
Local Check Name		PDKV Kisan		PDKV Kisan				JR 206				GAR 13	

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN											
		Gujarat				Gujarat (3)		Maharashtra					
		Navasari		Nawagam		Mean		Karjat		Shirgaon		Radhanagari	
4401	33682	5943	2*	5078	3	5746	1*	4178		2787		4466	
4402	33683	5363	7	4679	6	5015	5	6374	4	5370	9	5297	
4403	33684	5197	10	4157		4474		5082		3250		4805	
4404	33685	4407		4001		4104		3290		5028		6089	8
4405	33686	4300		3776		4063		4478		3120		3693	
4406	33687	3972		4613	8	4487		2578		4056		3815	
4407	33688	4541		4503	10	4426		3444		5269	10	6157	6
4408	33689	5534	6	4638	7	4904	10	3728		3944		6072	9
4409	33690	3969		4434		4168		2944		3130		5692	
4410	33691	4728		4097		4817		4436		4981		4597	
4411	33692	4062		3915		3920		2538		2769		5222	
4412	33693	3443		4361		4288		5153		4685		3977	
4413	33694	5229	9	3986		4873		5013		5648	3	5561	
4414	33695	4348		4010		4085		5018		4167		5313	
4415	33696	4100		4198		4090		3595		2907		4586	
4416	33697	6298	1*	4147		5607	2*	6517	2	5898	1	6238	3
4417	33698	3809		3447		3865		3239		2907		5852	
4418	33699	4426		5965	1*	5311	3	3845		5380	8	4594	
4419	Telangana Sona (NEDC)	3968		4244		4031		3684		5463	7	5340	
4420	33700	4909		3672		4440		5968	9	5639	4	6588	1
4421	33701	3104		4256		4044		3073		2750		3567	
4422	33702	4639		3552		4550		6001	8	5481	6	5183	
4423	33703			3766		3505		3675		2704		4212	
4424	33704	3434		3636		3739		3413		3009		4585	
4425	33705	3395		3549		3826		3507		3139		5379	
4426	33706	4280		3848		3838		3783		2648		2983	
4427	33707	4434		5547	2	4533		5145		3481		5802	
4428	33708	4706		4067		4284		4043		4278		5670	
4429	33709	5019		3861		4162		4048		4259		5298	
4430	33710	4306		4606	9	4983	7	6022	7	2889		4477	
4431	33711	3378		3687		2892				2583		4442	
4432	33712	3959		4215		4131		5177		3194		4852	
4433	33713	4749		3960		3739		4414		5583	5	5574	
4434	33714	3348		3981		3357		3041		5176		3831	
4435	WGL-14 (NMDC)	5069		4256		4631		4293		2676		4975	
4436	33715	3141		3812		3179		3002		3324		4861	
4437	33716	3510		5026	5	4118		6156	6	3963		5734	
4438	33717	3650		4219		3815		3139		4028		4437	
4439	33718	2567		3276		2387		6395	3	2481		3894	
4440	33719	3386		3935		3515		5705		3843		4217	
4441	33720	4132		3756		3987		4402		4278		5292	
4442	33721	3513		4295		3951		4916		4102		5527	
4443	33722	5753	4	3986		5154	4	6242	5	5787	2	6129	7
4444	33723	5827	3	3839		4648		5381		3074		4255	
4445	33724	4732		3758		4020		4597		4324		5143	
4446	BPT-5204 (NLDC & RP)	3777		3665		3987		4068		2954		4704	
4447	33725	5280	8	3841		5010	6	3562		3546		6208	5
4448	33726	3399		3627		3707		3521		2472		5664	
4449	33727	4376		3521		3927		3311		4037		5487	
4450	33728	5689	5	3726		4977	8	6912	1*	4454		6482	2
4451	33729	4620		3480		4477		4102		4870		5586	
4452	ZC	3953		3785		3716		4253		3333		4330	
4453	33730	4706		3594		4818		5771		3648		4324	
4454	33731	4859		3556		4802		5614		4741		6049	10
4455	33732	4557		3619		4666		5579		3694		5297	
4456	33733	4447		4199		4170		2458		4676		4943	
4457	33734	4378		3842		4076		4080		3000		3949	
4458	33735	3339		3469		3512		2454		3889		4117	
4459	33736	4485		3451		4761		5958	10	5120		6216	4
4460	33737	4647		3878		4121		4101		4231		5954	
4461	33738	4519		4174		4468		3354		2472		3284	
4462	33739	4476		3552		4187		2579		2519		3421	
4463	33740	3712		3740		3990		3808		4528		3993	
4464	LC	5110		5045	4	4945	9	5412		4833		4383	
Experimental Mean		4364		4037		4250		4374		3945		4979	
CD(0.05)		743		735		538		1109		874		1335	
CV(%)		8.52		9.11		6.33		12.68		11.08		13.42	
F val		8.8**		3.86**		10.19**		9.1**		11.02**		3.42**	
DOS		18-06-2025		27-06-2025				20-06-2025		19-06-2025		11-06-2025	
DOP		09-07-2025		06-08-2025				15-07-2025		18-07-2025		04-07-2025	
Local Check Name		GAR 13		GAR 13				Karjat 9		Ratnagiri 6		Phule Radha	

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		ZONE VI - WESTERN (6)		ZONE VII - SOUTHERN					
		Maharashtra (3)				Andhra Pradesh					
		Mean		Mean		Ragolu		Bapatla		Maruteru	
4401	33682	3810		4778		8091	2	4875		4320	
4402	33683	5680	6*	5348	4*	7934	8	5333		4310	
4403	33684	4379		4426		7144		5158		4315	
4404	33685	4802		4453		7920	9	5133		5095	
4405	33686	3764		3913		6296		3983		3895	
4406	33687	3483		3985		8219	1*	5683	6	3771	
4407	33688	4957		4691		7771		5458		4580	
4408	33689	4581		4743		8041	4	5383		4715	
4409	33690	3922		4045		6068		4425		5354	
4410	33691	4671		4744		5256		6258	2	3760	
4411	33692	3509		3715		8020	5	4247		5645	
4412	33693	4605		4446		5698		4782		3421	
4413	33694	5408	9	5140	7	5983		4795		5139	
4414	33695	4832		4459		7493		3755		4225	
4415	33696	3696		3893		6004		4368		4830	
4416	33697	6217	1*	5912	1*	5556		6928	1	4571	
4417	33698	4000		3932		6054		4102		4079	
4418	33699	4606		4958	10	4409		4153		5955	5
4419	Telangana Sona (NEDC)	4829		4430		6766		3899		5815	9
4420	33700	6065	2*	5252	6	5712		4983		6130	1
4421	33701	3130		3587		5563		3850		5880	7
4422	33702	5555	7*	5053	9	6574		5670	7	5610	
4423	33703	3530		3520		4793		5736	5	4914	
4424	33704	3669		3704		5264		6022	4	5869	8
4425	33705	4008		3917		4829		4026		2900	
4426	33706	3138		3488		6503		4175		5585	
4427	33707	4809		4671		5912		4645		3530	
4428	33708	4664		4474		6830		4030		5290	
4429	33709	4535		4348		4972		4057		4220	
4430	33710	4463		4723		4879		3503		5435	
4431	33711	3512		3140		5171		3423		3535	
4432	33712	4408		4269		6788		3578		5795	10
4433	33713	5190		4465		6937		5337		6025	3
4434	33714	4016		3686		7201		3433		4440	
4435	WGL-14 (NMDC)	3981		4306		5242		6102	3	5725	
4436	33715	3729		3454		7635		4309		3195	
4437	33716	5284	10	4701		8063	3	3534		5370	
4438	33717	3868		3842		7678		3250		3680	
4439	33718	4257		3322		4929		3733		4325	
4440	33719	4588		4051		7828	10	3682		3650	
4441	33720	4657		4322		7942	7	4108		5190	
4442	33721	4848		4399		6781		4819		5775	
4443	33722	6053	3*	5603	2*	7707		5028		4636	
4444	33723	4237		4442		7728		4704		5989	4
4445	33724	4688		4354		5157		5582	9	4365	
4446	BPT-5204 (NLDC & RP)	3908		3947		7550		4012		5060	
4447	33725	4439		4724		6738		4422		4170	
4448	33726	3886		3796		7130		3487		4205	
4449	33727	4278		4102		7251		4022		6091	2
4450	33728	5949	4*	5463	3*	5534		4883		2654	
4451	33729	4853		4665		6083		5174		5925	6
4452	ZC	3972		3844		5313		5382		3630	
4453	33730	4581		4700		7970	6	5592	8	4489	
4454	33731	5468	8	5135	8	5819		5565	10	4481	
4455	33732	4857		4761		7080		3588		4534	
4456	33733	4026		4098		6809		3182		5005	
4457	33734	3676		3876		5912		3121		4030	
4458	33735	3487		3499		5983		3094		3755	
4459	33736	5765	5*	5263	5	6987		4914		5495	
4460	33737	4762		4442		5499		3559		4655	
4461	33738	3037		3752		6318		3451		4800	
4462	33739	2840		3513		6588		3688		5365	
4463	33740	4110		4050		7172		3356		4675	
4464	LC	4876		4911		6083		5428		5175	
Experimental Mean		4428		4338		6518		4499		4735	
CD(0.05)		611		416		600		1090		872	
CV(%)		6.9		4.8		4.61		12.12		9.21	
F val		13.06**		16.7**		24.82**		5.52**		7.94**	
DOS						02-07-2025		19-07-2025		06-07-2025	
DOP						28-07-2025				02-08-2025	
Local Check Name						MTU 1224		BPT 2782		MTU 1224	

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Andhra Pradesh (3)		Karnataka		Karnataka		Karnataka		Karnataka (3)	
		Mean		Gangavati		Mugad		Mandya		Mean	
4401	33682	5762		3519		4951		5202		4557	
4402	33683	5859	10	3250		4338		6189	9	4592	
4403	33684	5539		4635		5382	9	4877		4965	
4404	33685	6050	3	6199	10	5179		6299	5	5892	4*
4405	33686	4725		4660		4486		3082		4076	
4406	33687	5891	9	4147		4148		4792		4362	
4407	33688	5936	8	4859		4386		5147		4797	
4408	33689	6047	4	5237		4605		4963		4935	
4409	33690	5283		7571	1*	4348		6415	4	6111	1*
4410	33691	5092		6756	2	4926		6538	2	6073	2*
4411	33692	5970	6	5455		4669		2978		4367	
4412	33693	4634		4673		4833		4583		4696	
4413	33694	5306		5737		4318		6918	1	5658	7
4414	33695	5158		6583	4	4407		5074		5355	
4415	33696	5067		3429		6010	3	4369		4603	
4416	33697	5685		6321	8	5292	10	6232	7	5948	3*
4417	33698	4745		4654		5607	4	5080		5114	
4418	33699	4839		5353		4807		5478		5213	
4419	Telangana Sona (NEDC)	5493		4929		5080		3536		4515	
4420	33700	5608		4929		4467		4559		4652	
4421	33701	5098		3487		4605		4798		4297	
4422	33702	5951	7	6365	6	4852		4835		5351	
4423	33703	5148		6141		5401	7	6060		5867	5
4424	33704	5719		6141		6218	1*	4363		5574	8
4425	33705	3918		5795		4214		5944		5318	
4426	33706	5421		5288		4466		4442		4732	
4427	33707	4696		6712	3	5392	8	3652		5252	
4428	33708	5384		4635		4225		4663		4507	
4429	33709	4416		5635		5023		4681		5113	
4430	33710	4606		5936		3224		5809		4990	
4431	33711	4043		4090		3306		3891		3762	
4432	33712	5387		3160		3682		3664		3502	
4433	33713	6100	2	5917		3029		5968		4971	
4434	33714	5025		3923		2559		3928		3470	
4435	WGL-14 (NMDC)	5690		6237	9	2713		4743		4564	
4436	33715	5046		4679		4558		4620		4619	
4437	33716	5656		6449	5	4479		3695		4874	
4438	33717	4869		2583		4534		5178		4098	
4439	33718	4329		4513		4209		2831		3851	
4440	33719	5053		5051		4488		4442		4661	
4441	33720	5747		4474		4843		4430		4582	
4442	33721	5792		5064		6143	2*	4663		5290	
4443	33722	5790		6346	7	4781		6195	8	5774	6
4444	33723	6140	1	4417		4423		4816		4552	
4445	33724	5035		5404		5447	6	5159		5337	
4446	BPT-5204 (NLDC & RP)	5540		4269		4623		4626		4506	
4447	33725	5110		4321		4695		6097	10	5037	
4448	33726	4941		2295		4402		4669		3788	
4449	33727	5788		4788		4753		4436		4659	
4450	33728	4357		5359		4811		6513	3	5561	9
4451	33729	5727		4929		5075		5668		5224	
4452	ZC	4775		4705		4609		4308		4541	
4453	33730	6017	5	4288		4414		5680		4794	
4454	33731	5288		4205		5551	5	5349		5035	
4455	33732	5067		4308		4739		5656		4901	
4456	33733	4999		4962		4420		5165		4849	
4457	33734	4354		3795		4724		3297		3939	
4458	33735	4277		3468		4828		4013		4103	
4459	33736	5799		5737		4755		6005		5499	10
4460	33737	4571		2712		4740		3738		3730	
4461	33738	4856		3878		4582		4982		4481	
4462	33739	5214		3058		4486		4761		4102	
4463	33740	5068		2756		4783		4289		3943	
4464	LC	5562		5276		4341		6287	6	5301	
Experimental Mean		5251		4851		4631		4927		4803	
CD(0.05)		494		1166		1014		995		581	
CV(%)		4.71		12.03		10.96		10.1		6.05	
F val		10.11**		7.85**		3.63**		7.38**		9.59**	
DOS				08-07-2025		04-08-2025		11-07-2025			
DOP				07-08-2025		21-08-2025		09-08-2025			
Local Check Name				Gangavathi Sona		Siri 1253		Thanu			

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Kerala		Telangana			Telangana (2)		Tamil Nadu		
		Pattambi		Rajendranagar		Warangal		Mean		Tirur	
4401	33682	4503		6352		3442		4897		5132	
4402	33683	4627		5870		5288		5579		5428	
4403	33684	5951		5977		3810		4893		6435	
4404	33685	5342		6417		4950		5684		6070	
4405	33686	6542		5847		4891		5369		6532	
4406	33687	6163		5907		3740		4824		5298	
4407	33688	6053		6602		4082		5342		5510	
4408	33689	5302		7394	5*	3586		5490		6855	4*
4409	33690	7383	2*	6912	8	6840	2	6876	2*	6778	5*
4410	33691	4339		6069		6349	8	6209	9	6120	
4411	33692	4532		7394	5*	3978		5686		6952	2*
4412	33693	5336		5056		6091		5573		5824	
4413	33694	5029		7671	2*	6066		6869	3*	5875	
4414	33695	7172	4*	4593		4742		4667		5225	
4415	33696	6630	10	4634		2629		3632		5392	
4416	33697	4348		7792	1*	6989	1	7390	1*	6240	
4417	33698	6668	9	4069		5129		4599		5105	
4418	33699	6442		5546		6047		5796		6382	
4419	Telangana Sona (NEDC)	6317		5005		5789		5397		5538	
4420	33700	8322	1*	6000		6037		6018	10	6235	
4421	33701	4832		4954		3552		4253		5572	
4422	33702	6912	6	6745	10	6746	4	6746	5*	6025	
4423	33703	6156		5977		6458	7	6218	8	6568	9
4424	33704	6287		5241		6622	5	5931		6280	
4425	33705	5457		4361		3894		4127		6018	
4426	33706	5734		1435		2604		2020		6408	
4427	33707	4357		4704		2619		3661		6998	1*
4428	33708	4589		3616		5025		4320		5405	
4429	33709	5430		5769		4653		5211		6538	
4430	33710	5194		6273		5446		5860		6728	6
4431	33711	4582		4000		3254		3627		6336	
4432	33712	5783		3361		3269		3315		4808	
4433	33713	4531		4935		6553	6	5744		5432	
4434	33714	7207	3*	3657		2937		3297		6520	
4435	WGL-14 (NMDC)	5647		6093		4509		5301		5782	
4436	33715	4381		4102		3056		3579		6552	10
4437	33716	4217		4157		4722		4440		6584	7
4438	33717	5794		3167		2783		2975		5498	
4439	33718	6208		616		2366		1491		4798	
4440	33719	6032		4583		4643		4613		6275	
4441	33720	4086		4213		5456		4835		5442	
4442	33721	6718	8	5208		4807		5007		5890	
4443	33722	5345		7454	3*	5858		6656	6*	6132	
4444	33723	4528		5273		5020		5146		6332	
4445	33724	4348		6866	9	1513		4189		5818	
4446	BPT-5204 (NLDC & RP)	5624		5667		5685		5676		6188	
4447	33725	5075		4144		6786	3	5465		6580	8
4448	33726	7004	5*	3968		4896		4432		5898	
4449	33727	6158		4722		4757		4740		5722	
4450	33728	5118		4968		4926		4947		5552	
4451	33729	6810	7	6343		4826		5584		6875	3*
4452	ZC	4522		6181		3819		5000		6095	
4453	33730	5678		7153	7	5833		6493	7*	6218	
4454	33731	4335		5310		5516		5413		6158	
4455	33732	4937		5116		4975		5045		6300	
4456	33733	5599		2569		5050		3810		6318	
4457	33734	6091		5426		5084		5255		5995	
4458	33735	4271		3125		3304		3214		5815	
4459	33736	6069		7444	4*	6196	10	6820	4*	5675	
4460	33737	5534		3838		2743		3291		6428	
4461	33738	6339		6102		2708		4405		6302	
4462	33739	6255		5708		3368		4538		5565	
4463	33740	6066		4676		2832		3754		5702	
4464	LC	4699		4477		6215	9	5346		6322	
Experimental Mean		5587		5231		4662		4947		6021	
CD(0.05)		632		1252		974		801		431	
CV(%)		5.66		11.97		10.46		8.1		4.58	
F val		18.34**		10.66**		15.55**		17.06**		11.81**	
DOS				23-06-2025		18-06-2025				07-08-2025	
DOP				23-07-2025		16-07-2025				04-09-2025	
Local Check Name				KNM 1638		WGL 14				TKM 13	

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (12)		Maharashtra (5)	
		Tamil Nadu				Tamil Nadu (3)					
		Coimbatore		Aduturai		Mean		Mean		Mean	
4401	33682	3887		6778	5	5266		5088		4005	
4402	33683	4980		5167		5192		5226		5083	9
4403	33684	4736		6167		5779		5382		4357	
4404	33685	5234		6444	8	5916		5857	6*	4775	
4405	33686	6738	5	6000		6424	4	5246		4649	
4406	33687	4111		6222		5210		5184		3782	
4407	33688	4727		6000		5412		5431		4906	
4408	33689	4727		6278		5953		5591		4657	
4409	33690	3750		7111	2*	5880		6080	3*	4098	
4410	33691	6709	6	6111		6313	6	5766	8	4622	
4411	33692	5391		5889		6077		5429		3460	
4412	33693	6318		6778	5	6307	7	5283		4440	
4413	33694	3799		5833		5169		5597		5200	6
4414	33695	3105		6944	4	5092		5277		4353	
4415	33696	2998		6056		4815		4779		3381	
4416	33697	7559	2	6111		6637	2	6161	1*	5396	4*
4417	33698	3145		5944		4731		4970		3639	
4418	33699	3320		7111	2*	5605		5417		4486	
4419	Telangana Sona (NEDC)	5020		5944		5500		5303		4362	
4420	33700	3428		5833		5165		5553		5395	5*
4421	33701	4844		5111		5176		4754		3418	
4422	33702	6045		6611	7	6227	10	6083	2*	4683	
4423	33703	3721		5944		5411		5656		3549	
4424	33704	5449		6000		5910		5813	7	3797	
4425	33705	6777	4	6222		6339	5	5036		3801	
4426	33706	5254		6000		5887		4824		3409	
4427	33707	4463		5833		5765		4901		4850	
4428	33708	3926		4778		4703		4751		4294	
4429	33709	5371		4833		5581		5098		4845	
4430	33710	6641	8	4944		6104		5334		5093	8
4431	33711	3389		5111		4945		4174		3254	
4432	33712	6670	7	5056		5511		4634		4575	
4433	33713	6104		4889		5475		5471		4938	
4434	33714	5410		5000		5643		4685		3889	
4435	WGL-14 (NMDC)	6484	10	4667		5645		5329		4303	
4436	33715	5410		4833		5599		4778		4007	
4437	33716	6855	3	6000		6480	3	5344		4862	
4438	33717	3779		6111		5129		4503		3759	
4439	33718	4854		4667		4773		4004		4194	
4440	33719	3525		5556		5119		4980		4205	
4441	33720	4395		5556		5131		5011		4276	
4442	33721	4990		6333		5738		5599		4546	
4443	33722	6572	9	5667		6124		5977	5*	5539	3*
4444	33723	6211		6167		6237	9	5467		4406	
4445	33724	4844		6000		5554		5042		4628	
4446	BPT-5204 (NLDC & RP)	5518		5667		5791		5374		3943	
4447	33725	3252		6000		5277		5190		4269	
4448	33726	4541		7167	1*	5868		4972		4086	
4449	33727	4697		6333		5584		5311		4555	
4450	33728	4053		6056		5220		5036		5604	2*
4451	33729	7959	1*	6333	10	7056	1*	6000	4*	4913	
4452	ZC	4668		4778		5180		4834		4093	
4453	33730	5693		5278		5730		5691	10	5184	7
4454	33731	6387		5889		6144		5380		4943	10
4455	33732	5107		5000		5469		5112		4685	
4456	33733	4297		5556		5390		4911		4461	
4457	33734	3916		6333		5415		4810		3907	
4458	33735	3271		5111		4733		4170		3952	
4459	33736	3418		5778		4957		5706	9	5849	1*
4460	33737	3516		5444		5129		4367		4932	
4461	33738	3535		5556		5131		4879		3610	
4462	33739	6426		5000		5664		5022		3472	
4463	33740	3477		5556		4912		4612		4494	
4464	LC	6035		6389	9	6249	8	5561		4880	
Experimental Mean		4929		5810		5587		5200		4406	
CD(0.05)		1243		606		474		283		455	
CV(%)		12.62		5.22		4.24		4.11		5.17	
F val		8.17**		8.92**		9.65**		22.52**		14.09**	
DOS		18-06-2025		06-09-2025							
DOP		16-07-2025		11-10-2025							
Local Check Name		CO 52		ADT 61							

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Table No. 12.2 (Contd.): Grain Yield (kg/ha) in IVT – MS, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN				ZONE IV - NORTH EASTERN				
		Uttar Pradesh @Gorakhpur		West Bengal @Chinsurah		Assam @Gerua		Tripura @Lembucherra @Arundhutinagar		
4401	33682	2260		3704		3985		3950	2335	
4402	33683	2865		3331		4568		3312	3296	
4403	33684	2557		6719	3	2450		4038	2158	
4404	33685	1464		6903	2			2250	2161	
4405	33686	1234		3578		4204		3325	2674	
4406	33687	542		4431				1938	2084	
4407	33688	3073		4867				3712	2316	
4408	33689	3734	8	3679		3816		4500	4158	5
4409	33690	2958		5847	9			3700	3058	
4410	33691	3083		3078		4981	8	3362	2495	
4411	33692	1208		3789		4085		4000	4002	7
4412	33693	2323		3173				4962	5	2242
4413	33694	4151	4	5721	10	5821	1	3588		4305
4414	33695	1380		3140		2995		3575		4274
4415	33696	3281		3063		3189		4050		4053
4416	33697	5406	1	4228		5382	2	5150	4	3432
4417	33698	1604		3056				4525		3753
4418	33699	1703		5444				3375		2884
4419	Telangana Sona (NEDC)	2599		3901		3565		3250		3289
4420	33700	3740	7	5518		3051		4438		3421
4421	33701	2568		2074		3089		3562		3263
4422	33702	2193		4072				4012		2921
4423	33703	2198		4279		3596		3625		3516
4424	33704	2188		3535		2669		4212		3474
4425	33705	1250		4545		4912	10	4362		3153
4426	33706	1052		3025		3972		4788	6	4605
4427	33707	1417		3417		2650		2062		2842
4428	33708	2010		3504		3195		4600	8	3058
4429	33709	2292		3202		4906		3912		2942
4430	33710	911		3788		5081	5	3500		5368
4431	33711	1318		5207		3277		4312		3021
4432	33712	2323		3007		3628		4525	10	3384
4433	33713	2375		3076		2926		3962		3163
4434	33714	1167		4474		2400		3325		3668
4435	WGL-14 (NMDC)	4057	5	3550				4125		1947
4436	33715	3010		4305				3425		3189
4437	33716	2802		3202		4167		4150		3221
4438	33717	1938		3009		2362		4250		2668
4439	33718	1115		5397		1247		5875	1	2937
4440	33719	2411		3344		3208		3988		3158
4441	33720	2302		3005		2563		3562		3053
4442	33721	2104		5000		4987	7	4412		2966
4443	33722	4750	2	4618		4868		2188		2658
4444	33723	2750		7233	1			4462		2616
4445	33724	3094		6504	4	4868		4062		3060
4446	BPT-5204 (NLDC & RP)	3745	6	5348				3250		2211
4447	33725	3729	9	4485		4273		5388	2	3150
4448	33726	1630		3114		2393		3625		3109
4449	33727	2240		4948		4323		4300		3163
4450	33728	3292		5871	8	4937	9	4600	8	2558
4451	33729	4635	3	6257	5	4254		4525		2679
4452	ZC	3495		3305		5332	3	5300	3	3347
4453	33730	3104		6013	6	5301	4	3962		3658
4454	33731	3333		4001		4737		3788		2505
4455	33732	1453		4512		4148		3762		3253
4456	33733	3099		3487		2945		4612	7	2271
4457	33734	3609		3032		3665		4250		3695
4458	33735	1552		3028		3221		3575		3905
4459	33736	3562		3075		5075	6	3450		2291
4460	33737	1651		3076		2813		3950		2189
4461	33738	2776		3278		3853		1925		2579
4462	33739	3635	10	3167		4492		4100		3216
4463	33740	2745		5958	7	3227		4075		2974
4464	LC	2089		3064		2538		4088		3589
Experimental Mean		2533		4165		3811		3919		3103
CD(0.05)		1310		2963		2331		1804		698
CV(%)		25.87		35.6		30.46		23.04		11.25
F val		4.93**		1.28ns		1.54ns		1.45ns		7.23**
DOS										
DOP										
Local Check Name										

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Table No. 12.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar									Bihar (3)			Jharkhand		
		Bikramganj (Dhangain)			Pusa			Sabour			Mean			Ranchi		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4401	33682	112	107	337	116	96	240	119	120	292	116	108	290	96	102	242
4402	33683	113	108	346	113	96	246	118	120	348	114	108	314	94	106	226
4403	33684	110	104	387	106	94	258	112	108	272	110	102	306	94	96	184
4404	33685	108	109	401	98	101	210	108	106	300	105	105	304	90	102	196
4405	33686	106	96	402	104	82	214	111	93	260	107	90	292	80	82	147
4406	33687	116	99	382	132	103	263	133	120	209	127	107	285	110	96	192
4407	33688	110	98	390	115	100	207	112	111	306	112	103	301	96	100	188
4408	33689	112	104	390	119	98	220	118	109	260	116	104	290	94	100	216
4409	33690	126	107	364	120	106	218	133	124	300	126	112	294	108	105	230
4410	33691	124	106	388	127	92	241	141	108	285	131	102	304	112	90	280
4411	33692	106	106	340	118	99	253	112	108	242	112	104	278	88	101	186
4412	33693	117	108	374	111	103	260	134	118	392	120	110	342	102	109	173
4413	33694	119	109	412	118	102	238	136	116	259	124	109	303	97	110	218
4414	33695	99	104	420	104	96	219	104	94	201	102	98	280	80	94	160
4415	33696	111	92	370	112	82	212	126	86	318	116	87	300	114	76	196
4416	33697	115	107	352	109	98	233	130	122	255	118	109	280	112	98	178
4417	33698	107	107	336	108	93	239	94	103	292	103	101	289	88	114	156
4418	33699	110	108	372	112	86	262	125	110	265	116	102	300	94	106	400
4419	Telangana Sona (NEDC)	113	116	376	96	122	237	130	125	270	113	121	294	114	112	210
4420	33700	110	112	392	111	92	252	130	94	359	117	99	334	97	93	259
4421	33701	116	107	356	95	118	218	128	114	297	113	113	290	112	95	280
4422	33702	118	108	353	102	105	264	118	116	284	113	109	300	81	110	162
4423	33703	123	107	362	114	96	210	140	106	295	126	103	289	110	92	317
4424	33704	128	106	353	104	102	216	140	110	276	124	106	282	108	101	218
4425	33705	126	107	386	106	96	242	133	112	378	122	105	336	99	97	271
4426	33706	109	104	352	116	98	232	108	99	256	111	100	280	84	96	216
4427	33707	114	108	400	96	102	244	92	86	361	101	99	335	78	92	154
4428	33708	118	115	383	111	108	246	126	120	273	118	114	300	100	113	244
4429	33709	123	111	416	106	96	209	130	104	333	120	104	319	100	112	192
4430	33710	120	105	424	120	107	224	120	111	302	120	108	317	96	112	164
4431	33711	128	108	376	117	96	256	139	112	276	128	106	303	114	117	322
4432	33712	112	105	375	115	96	238	112	104	232	113	102	282	86	91	162
4433	33713	111	105	400	114	92	252	110	108	295	112	102	315	94	94	278
4434	33714	113	104	364	109	96	254	102	93	342	108	97	320	86	98	174
4435	WGL-14 (NMDC)	116	106	352	110	106	248	136	120	261	121	110	287			268
4436	33715	111	101	356	115	96	214	110	96	322	112	98	298	92	99	340
4437	33716	110	114	392	108	106	261	108	115	256	109	112	303	90	96	198
4438	33717	109	112	362	82	87	234	98	114	241	96	104	279	94	111	213
4439	33718	99	119	390	111	126	252	110	127	222	106	124	288	80	106	198
4440	33719	110	112	442	92	110	254	115	114	268	106	112	321	94	102	270
4441	33720	112	100	389	95	84	224	102	90	228	103	92	280	94	98	308
4442	33721	116	104	404	114	94	248	121	113	243	117	103	298	93	106	180
4443	33722	113	108	368	113	106	252	118	124	210	115	113	276	97	116	213
4444	33723	116	102	404	115	92	222	119	107	310	117	100	312	97	92	232
4445	33724	115	109	383	105	110	240	120	122	325	113	114	316	94	110	247
4446	BPT-5204 (NLDC & RP)	123	95	330	108	70	227	134	93	308	122	86	288	104	84	208
4447	33725	113	101	346	110	80	219	118	107	295	114	96	287	92	96	272
4448	33726	108	97	394	91	72	230	118	98	322	106	89	316	104	101	226
4449	33727	110	118	372	86	102	220	113	116	302	103	112	298	90	104	244
4450	33728	107	111	399	103	114	248	106	123	186	105	116	278	90	115	203
4451	33729	116	113	394	111	105	254	128	112	240	118	110	296	102	102	219
4452	ZC	120	96	382	112	82	242	126	95	361	120	91	328	104	88	247
4453	33730	116	105	360	112	85	250	113	108	263	114	99	291	98	99	228
4454	33731	118	108	363	107	89	260	132	112	262	119	103	295	102	100	274
4455	33732	110	121	356	88	108	212	112	124	226	104	118	265	96	118	206
4456	33733	111	88	355	96	90	213	100	82	306	102	87	291	90	90	180
4457	33734	116	104	278	111	102	230	120	108	271	116	104	260	98	89	279
4458	33735	103	100	382	96	84	214	95	82	338	98	89	311	80	96	244
4459	33736	110	109	304	85	89	222	114	100	359	103	100	295	106	106	286
4460	33737	101	108	332	106	108	258	95	87	294	101	101	294	80	94	173
4461	33738	116	111	318	91	86	237	124	102	278	110	100	278	106	98	280
4462	33739	98	108	335	88	86	233	130	112	290	105	102	286	112	94	241
4463	33740	109	102	384	94	87	232	128	98	223	110	96	280	86	110	174
4464	LC	106	102	392	87	88	242	124	89	232	106	93	289	102	95	245
Experimental Mean		113	106	372	106	96	236	118	107	283	113	103	297	96	100	226
Standard Error		0.09			1.14			1.4			0.58			50.38		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha												Odisha (4)		
		Chiplima			Cuttack			Bhubaneswar			Jeypore			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4401	33682	84	70	298	112	109	336	98	106	302	106	94	226	100	95	290
4402	33683	88	75	314	114	115	363	105	95	270	104	95	315	103	95	316
4403	33684	83	82	284	108	125	297	94	101	290	98	93	194	96	100	266
4404	33685	82	81	232	109	120	253	94	102	245	102	94	265	97	99	249
4405	33686	81	77	212	107	99	330	81	77	276	94	85	278	91	85	274
4406	33687	86	80	318	130	132	358	105	101	192	113	95	318	108	102	297
4407	33688	82	79	302	111	106	319	93	92	208	98	89	365	96	91	298
4408	33689	86	73	230	112	112	302	94	100	213	106	89	191	99	93	234
4409	33690	84	78	256	131	115	380	112	110	174	115	94	306	111	99	279
4410	33691	86	86	342	136	114	363	112	100	259	118	93	345	113	98	327
4411	33692	87	80	340	110	117	253	93	99	265	106	88	342	99	96	300
4412	33693	86	77	327	130	134	324	108	104	226	113	95	192	110	103	268
4413	33694	84	70	206	126	123	341	103	101	246	111	96	211	106	98	251
4414	33695	84	68	276	102	108	368	87	95	232	96	92	294	92	91	293
4415	33696	82	75	300	114	100	314	95	86	274	107	76	315	100	84	300
4416	33697	86	79	346	124	119	352	108	104	290	107	94	244	106	99	308
4417	33698	87	72	270	108	108	280	92	99	186	103	90	204	97	92	235
4418	33699	85	78	192	125	112	258	101	104	248	108	88	221	105	96	230
4419	Telangana Sona (NEDC)	86	73	256	121	118	418	93	106	228	97	94	305	99	98	302
4420	33700	86	73	284	132	112	402	102	95	301	118	81	248	110	90	309
4421	33701	84	79	312	124	122	385	104	95	290	107	91	272	105	97	315
4422	33702	84	80	300	116	121	324	96	102	288	108	92	314	101	99	306
4423	33703	86	81	248	137	107	264	112	100	199	116	91	388	113	95	275
4424	33704	86	89	230	140	131	346	117	100	226	111	91	335	114	103	284
4425	33705	88	85	256	133	116	380	105	101	288	101	90	302	107	98	306
4426	33706	84	84	342	107	114	314	93	92	258	101	88	312	96	95	306
4427	33707	85	91	272	104	129	275	87	101	266	94	91	241	92	103	264
4428	33708	80	97	202	119	117	346	94	106	269	94	89	346	97	102	291
4429	33709	80	99	200	118	128	341	105	106	285	107	92	322	102	106	287
4430	33710	82	95	194	122	123	358	97	100	157	112	95	342	103	103	262
4431	33711	84	94	198	146	140	330	125	104	204	106	91	292	115	107	256
4432	33712	84	95	208	112	113	314	87	92	273	98	83	222	95	96	254
4433	33713	86	89	230	110	102	275	94	95	266	106	83	285	99	92	264
4434	33714	88	85	256	105	95	358	94	91	260	93	89	278	95	90	288
4435	WGL-14 (NMDC)	84	84	342	120	122	314	104	109	257	116	91	298	106	102	303
4436	33715	86	73	230	104	111	308	97	102	253	101	90	298	97	94	272
4437	33716	84	78	256	110	129	270	94	105	236	102	91	272	98	101	258
4438	33717	86	86	342	106	130	280	86	96	216	115	90	208	98	101	262
4439	33718	87	80	340	108	150	270	88	135	245	94	101	305	94	116	290
4440	33719	84	68	276	113	110	341	102	106	244	111	90	282	102	94	286
4441	33720	82	75	300	103	127	297	98	90	201	100	92	378	96	96	294
4442	33721	80	97	202	112	104	297	96	101	227	107	88	262	99	98	247
4443	33722	80	99	200	113	128	264	97	104	224	107	96	251	99	107	235
4444	33723	82	95	194	120	103	341	101	100	260	105	80	298	102	95	273
4445	33724	84	94	198	117	138	280	94	112	274	111	93	308	102	109	265
4446	BPT-5204 (NLDC & RP)	84	95	208	116	108	380	106	92	300	106	75	295	103	92	296
4447	33725	86	73	230	113	127	242	95	86	255	105	84	224	100	93	238
4448	33726	84	78	256	113	102	302	105	85	290	107	74	191	102	84	260
4449	33727	86	86	342	112	100	330	95	104	290	96	97	305	97	96	317
4450	33728	87	80	340	118	120	363	93	109	200	104	92	262	100	100	291
4451	33729	84	68	276	121	124	380	106	112	248	116	92	245	106	99	287
4452	ZC	82	75	300	124	100	330	103	83	300	106	85	278	104	86	302
4453	33730	80	97	202	114	110	314	105	104	228	101	96	248	100	102	248
4454	33731	80	99	200	130	113	363	104	100	214	120	92	325	109	101	276
4455	33732	82	95	194	116	140	314	100	106	208	106	97	201	101	110	229
4456	33733	84	94	198	114	104	314	88	90	292	98	72	278	96	90	270
4457	33734	84	95	208	122	115	346	103	90	268	106	81	302	104	95	281
4458	33735	86	73	230	96	90	297	86	90	294	104	65	278	93	80	275
4459	33736	84	78	256	120	107	363	105	97	222	106	88	251	104	92	273
4460	33737	86	86	342	103	104	297	86	100	228	118	61	278	98	88	286
4461	33738	87	80	340	124	128	336	100	100	296	106	90	305	104	99	319
4462	33739	88	85	256	120	118	297	100	104	278	116	94	315	106	100	287
4463	33740	84	68	276	113	118	330	93	100	214	108	89	325	99	94	286
4464	LC	82	75	300	120	126	363	92	106	262	106	89	292	100	99	304
Experimental Mean		84	82	263	117	116	324	98	99	250	105	88	281	101	97	285
Standard Error		1.1			1.07			0.3			0.67			0.46		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (10)			ZONE IV - NORTH EASTERN		
		Uttar Pradesh						Uttar Pradesh (2)			Mean			Assam		
		Masodha			Varanasi			Mean			Mean			Titabar		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4401	33682	106	108	281	92	131	256	99	119	268	104	104	281	112	134	345
4402	33683	114	102	275	118	118	245	116	110	260	108	103	295	112	126	306
4403	33684	117	86	282	88	126	192	102	106	237	101	102	264	108	117	353
4404	33685	121	112	278	86	125	220	104	118	249	100	105	260	106	115	300
4405	33686	107	105	286	98	108	242	102	106	264	97	90	265	106	105	252
4406	33687	104	102	266	125	122	199	114	112	232	115	105	270	123	118	304
4407	33688	105	116	295	92	121	218	99	119	256	101	101	280	110	119	312
4408	33689	110	103	276	98	119	198	104	111	237	105	101	250	108	112	362
4409	33690	113	102	258	122	134	188	118	118	223	116	107	267	131	124	344
4410	33691	120	91	261	118	117	224	118	104	242	119	100	299	100	112	303
4411	33692	112	121	286	100	121	226	106	121	256	103	104	273	110	118	334
4412	33693	116	120	268	114	124	188	115	122	228	113	109	272	129	126	304
4413	33694	112	94	250	113	131	202	112	112	226	112	105	258	123	121	286
4414	33695	112	112	289	114	123	203	113	118	246	98	99	266	100	118	331
4415	33696	109	94	251	114	105	238	112	100	244	108	87	279	112	102	345
4416	33697	105	102	300	112	129	203	108	116	252	111	105	275	120	118	314
4417	33698	105	92	287	74	123	214	89	107	250	97	100	246	101	108	300
4418	33699	121	103	272	110	122	262	115	113	267	109	102	275	122	118	331
4419	Telangana Sona (NEDC)	109	105	275	118	133	236	113	119	255	108	111	281	112	104	253
4420	33700	109	112	258	116	112	250	113	112	254	111	97	300	124	107	244
4421	33701	104	102	258	119	116	232	112	109	246	109	104	290	122	120	318
4422	33702	118	104	248	97	131	190	107	117	219	104	107	273	111	118	258
4423	33703	126	100	170	125	120	230	126	110	200	119	100	268	104	116	374
4424	33704	122	111	210	120	122	228	121	117	219	118	106	264	104	111	318
4425	33705	114	122	276	110	116	288	112	119	282	112	104	307	126	113	324
4426	33706	111	91	280	80	118	272	95	105	276	99	99	283	108	111	354
4427	33707	120	132	308	81	123	278	100	127	293	95	106	280	102	115	334
4428	33708	107	109	288	112	141	213	110	125	250	106	112	281	113	128	317
4429	33709	114	85	220	116	120	212	115	103	216	110	105	273	126	119	370
4430	33710	115	86	250	110	123	227	112	105	238	109	106	264	122	121	301
4431	33711	126	112	174	129	140	192	127	126	183	121	111	262	108	122	336
4432	33712	117	92	295	91	118	183	104	105	239	101	99	250	114	104	370
4433	33713	116	123	290	88	116	228	102	120	259	103	101	280	104	112	328
4434	33714	115	130	302	82	112	235	99	121	268	99	99	282	103	108	310
4435	WGL-14 (NMDC)	118	102	277	104	133	216	111	117	246	112	108	283	114	128	324
4436	33715	114	87	266	92	115	242	103	101	254	102	97	283	106	116	289
4437	33716	113	111	260	92	125	222	102	118	241	101	107	262	106	118	278
4438	33717	117	83	248	102	125	196	109	104	222	99	103	254	102	115	256
4439	33718	110	102	264	84	142	234	97	122	249	97	119	272	108	149	322
4440	33719	116	101	260	104	129	232	110	115	246	104	104	287	114	121	252
4441	33720	115	122	284	89	110	214	102	116	250	99	99	282	108	109	256
4442	33721	118	111	230	104	126	220	111	119	225	106	104	251	114	124	327
4443	33722	110	119	274	94	132	168	102	126	221	104	113	242	111	124	299
4444	33723	111	125	262	104	118	226	107	122	244	107	101	275	116	114	324
4445	33724	115	109	242	101	132	240	108	121	241	106	113	274	112	133	338
4446	BPT-5204 (NLDC & RP)	108	94	248	112	98	231	110	96	240	110	90	273	124	102	318
4447	33725	116	92	260	100	112	283	108	102	271	105	96	263	114	109	314
4448	33726	112	104	270	106	107	220	110	105	246	105	92	270	106	98	302
4449	33727	120	113	266	102	135	250	111	124	258	101	107	292	111	119	321
4450	33728	106	90	278	83	128	153	94	109	216	100	108	263	108	128	303
4451	33729	105	123	264	106	124	220	106	124	242	109	108	274	115	124	302
4452	ZC	118	102	256	114	112	270	116	107	263	111	92	296	110	108	314
4453	33730	110	126	248	104	122	254	107	124	252	105	105	260	112	102	304
4454	33731	110	110	252	114	122	246	112	116	249	112	105	276	122	126	348
4455	33732	117	94	330	100	137	186	108	115	258	103	114	243	112	131	282
4456	33733	116	96	268	82	106	210	99	101	239	98	91	261	104	108	304
4457	33734	114	106	264	110	104	230	112	105	248	108	99	268	110	106	356
4458	33735	118	111	236	94	102	250	106	106	243	96	89	276	113	106	322
4459	33736	111	112	270	91	117	236	101	114	253	103	100	277	114	115	323
4460	33737	117	111	256	84	112	206	100	112	230	98	97	266	100	110	345
4461	33738	110	120	266	114	118	284	112	119	275	108	103	294	112	118	354
4462	33739	115	121	262	120	114	242	117	118	252	109	103	275	122	111	350
4463	33740	114	92	258	83	126	217	99	109	237	101	99	263	104	117	356
4464	LC	107	111	268	112	102	240	109	107	254	104	98	284	128	145	360
Experimental Mean		113	105		102	121	225	108	114	245	106	103	273	112	116	316
Standard Error		0.93			3.45			1.83			5.05			0.75		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL														
		Chhattisgarh			Maharashtra						Maharashtra (2)			Madhya Pradesh		
		Raipur			Sakoli			Sindewahi			Mean			Jabalpur		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4401	33682	112	105	264	106	120	178	112	109	396	109	114	286	117	92	226
4402	33683	116	117	190	102	123	242	112	104	366	107	114	304	111	87	213
4403	33684	106	106	212	96	110	221	108	114	310	102	112	266	108	83	214
4404	33685	104	113	236	92	115	296	96	83	284	94	99	290	106	91	192
4405	33686	99	92	219	90	93	308	92	82	280	91	87	294	106	63	215
4406	33687	126	120	226	114	123	259	122	114	306	118	119	283	128	85	233
4407	33688	109	101	212	100	114	283	107	107	226	104	110	255	125	77	218
4408	33689	110	105	304	96	95	292	106	103	326	101	99	309	114	78	210
4409	33690	128	123	232	118	120	298	120	116	282	119	118	290	134	99	185
4410	33691	126	108	261	114	108	286	120	104	385	118	106	336	136	72	236
4411	33692	112	112	214	94	103	244	99	102	255	97	102	250	123	82	200
4412	33693	128	122	320	112	114	217	112	127	293	112	120	255	130	84	185
4413	33694	124	106	227	108	110	300	112	121	243	110	116	271	128	87	226
4414	33695	97	107	148	86	110	264	92	101	329	89	106	296	104	86	188
4415	33696	122	94	314	108	94	188	108	82	312	108	88	250	119	72	250
4416	33697	128	106	198	114	97	218	122	112	257	118	104	238	130	84	216
4417	33698	106	107	215	90	112	188	101	108	205	95	110	196	104	84	178
4418	33699	116	115	220	102	105	300	114	100	378	108	102	339	118	78	249
4419	Telangana Sona (NEDC)	114	114	236	106	114	232	112	134	204	108	124	218	114	94	238
4420	33700	120	104	216	100	102	260	106	113	360	103	108	310	128	74	280
4421	33701	118	106	268	114	116	298	118	101	371	116	109	334	128	86	315
4422	33702	112	115	232	100	112	271	108	114	198	104	113	234	119	87	212
4423	33703	128	108	174	120	114	266	117	108	360	118	110	313	130	81	250
4424	33704	130	116	246	118	123	272	117	114	329	117	119	301	132	83	201
4425	33705	118	95	220	110	98	251	112	96	246	111	97	249	128	78	250
4426	33706	114	106	200	86	116	298	92	88	264	90	102	281	117	75	234
4427	33707	98	106	192	85	118	414	90	94	290	88	106	352	102	79	162
4428	33708	112	108	222	106	120	286	112	120	336	108	120	311	118	95	206
4429	33709	122	107	184	110	120	323	116	106	264	113	113	293	128	79	198
4430	33710	118	106	185	102	127	338	112	115	258	108	121	298	123	84	146
4431	33711	134	122	262	128	136	224	110	129	344	118	132	284	142	95	219
4432	33712	108	104	230	90	122	310	96	102	240	93	112	275	108	74	218
4433	33713	106	104	213	92	118	318	102	92	242	98	105	280	117	73	235
4434	33714	104	96	238	90	109	272	96	100	347	92	104	310	115	81	190
4435	WGL-14 (NMDC)	117	113	238	100	122	305	112	109	398	106	116	352	110	84	175
4436	33715	112	97	212	92	114	295	104	100	288	98	106	292	117	86	212
4437	33716	112	107	210	90	113	296	98	102	287	94	108	292	118	88	234
4438	33717	99	116	182	48	115	256	91	98	340	69	107	298	104	81	210
4439	33718	102	133	157	84	124	256	91	118	354	88	121	305	104	110	213
4440	33719	116	106	220	100	114	259	108	109	251	104	111	255	113	86	230
4441	33720	107	106	306	96	109	240	96	84	382	96	96	312	111	70	298
4442	33721	110	107	181	102	124	280	107	112	200	104	118	240	114	85	226
4443	33722	114	124	226	100	124	294	101	125	208	101	124	251	122	94	216
4444	33723	114	96	231	101	98	372	112	104	290	107	101	331	122	81	264
4445	33724	108	112	253	100	112	297	111	114	246	106	113	272	113	90	256
4446	BPT-5204 (NLDC & RP)	124	88	240	110	98	244	116	93	364	113	96	304	116	64	268
4447	33725	111	98	244	96	87	289	106	112	343	101	100	316	116	72	224
4448	33726	113	94	234	110	88	306	112	94	294	111	90	300	116	75	257
4449	33727	108	107	180	94	122	310	98	100	340	96	110	325	107	95	218
4450	33728	104	124	153	96	118	341	98	113	184	97	116	262	114	84	181
4451	33729	124	115	186	106	116	263	112	111	261	109	113	262	102	84	194
4452	ZC	122	93	228	102	94	295	112	97	288	107	95	292	102	63	222
4453	33730	120	106	215	100	114	308	112	109	371	106	112	340	118	74	170
4454	33731	124	96	184	112	114	264	120	116	312	116	114	288	124	75	177
4455	33732	114	116	239	100	119	274	109	109	314	104	114	294	116	90	130
4456	33733	106	84	268	92	108	315	95	80	379	94	94	347	115	66	263
4457	33734	118	86	250	110	100	290	112	94	305	111	97	298	117	67	206
4458	33735	98	80	132	84	96	322	92	85	395	88	91	358	102	64	228
4459	33736	122	105	317	110	118	346	112	120	261	110	119	303	110	82	252
4460	33737	102	106	132	86	107	322	90	94	295	88	100	309	102	79	194
4461	33738	116	105	215	112	116	359	113	112	368	112	114	364	122	85	271
4462	33739	124	106	244	114	119	318	120	104	365	117	111	341	116	87	230
4463	33740	104	107	224	92	122	314	98	90	212	96	106	263	106	90	161
4464	LC	113	96	283	105	106	324	106	106	370	106	106	347	104	83	208
Experimental Mean		114	106	223	100	111	283	106	105	302	104	108	293	116	81	218
Standard Error		1.46			4.98			0.41			2.5			0.98		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL (4)			ZONE VI - WESTERN											
		Mean			Gujarat						Gujarat (3)			Mean		
		DF	PH	PAN	DF	PH	PAN	DF	PH	PAN	DF	PH	PAN	DF	PH	PAN
4401	33682	112	107	266	104	119	248	100	124	278	110	118	288	105	120	271
4402	33683	110	108	253	108	108	240	92	115	238	112	109	282	104	111	253
4403	33684	104	103	239	100	102	234	94	111	224	109	109	278	101	107	245
4404	33685	99	101	252	100	110	214	86	130	206	105	112	278	97	117	233
4405	33686	96	82	256	99	97	232	82	103	234	112	87	277	98	96	248
4406	33687	123	110	256	124	117	276	104	132	218	112	115	284	113	121	259
4407	33688	110	99	235	102	100	231	90	122	202	112	112	282	101	111	238
4408	33689	106	95	283	102	94	237	92	128	270	109	105	284	101	109	264
4409	33690	125	114	249	122	109	230	114	130	249	124	124	280	120	121	253
4410	33691	124	98	292	122	98	226	112	124	258	120	100	277	118	107	254
4411	33692	107	100	228	99	110	244	90	127	231	123	111	278	104	116	251
4412	33693	120	111	254	122	117	188	108	124	218	121	105	280	117	115	229
4413	33694	118	106	249	116	114	242	82	127	230	134	108	278	111	116	250
4414	33695	95	101	232	98	104	225	82	120	220	120	115	278	100	113	241
4415	33696	114	85	266	112	84	237	106	120	188	120	105	280	113	103	235
4416	33697	124	100	223	122	109	214	110	123	232	122	122	280	118	118	242
4417	33698	100	103	196	100	105	206	86	133	249	108	100	274	98	113	243
4418	33699	113	99	287	110	104	246	100	126	232	112	112	290	107	114	256
4419	Telangana Sona (NEDC)	111	114	228	110	120	224	110	136	250	112	114	280	111	123	251
4420	33700	114	98	279	114	99	285	100	114	270	122	107	276	112	107	277
4421	33701	119	102	313	116	109	262	112	138	189	122	118	280	117	122	244
4422	33702	110	107	228	104	103	210	96	133	268	120	115	276	107	117	251
4423	33703	124	102	262	124	106	309				122	112	276	123	109	293
4424	33704	124	109	262	120	115	254	88	131	296	120	106	274	109	117	275
4425	33705	117	92	242	113	101	240	110	117	219	122	106	275	115	108	245
4426	33706	103	96	249	98	104	242	92	126	230	110	97	278	100	109	250
4427	33707	94	99	264	120	102	224	82	125	167	105	118	290	102	115	227
4428	33708	112	111	262	111	116	222	83	126	200	110	114	278	101	119	233
4429	33709	119	103	242	116	105	216	104	124	206	123	122	275	114	117	232
4430	33710	114	108	232	112	104	225	104	127	241	121	125	278	112	119	248
4431	33711	128	120	262	128	133	234	134	152	213	116	129	274	126	138	240
4432	33712	100	101	250	100	102	219	90	109	174	112	94	279	101	102	224
4433	33713	105	97	252	104	96	196	88	109	160	110	92	276	101	99	211
4434	33714	101	97	262	98	97	237	88	123	167	108	92	276	98	104	227
4435	WGL-14 (NMDC)	110	107	279	110	108	242	96	141	192	110	118	280	105	122	238
4436	33715	106	99	252	100	98	237	88	132	162	100	100	276	96	110	225
4437	33716	105	103	257	102	109	246	82	125	178	111	117	286	98	117	237
4438	33717	85	103	247	106	103	207	79	124	160	104	108	280	96	112	216
4439	33718	95	121	245	93	113	236	78	136	168	101	132	273	91	127	226
4440	33719	109	103	240	108	116	260	95	130	149	105	122	278	103	123	229
4441	33720	102	92	307	100	96	238	84	129	180	119	107	278	101	111	232
4442	33721	108	107	222	106	100	208	96	121	156	121	113	280	108	111	215
4443	33722	109	117	236	110	110	207	94	140	152	118	113	277	107	121	212
4444	33723	112	95	289	114	98	262	96	126	218	117	107	276	109	110	252
4445	33724	108	107	263	106	111	222	97	134	246	112	128	276	105	124	248
4446	BPT-5204 (NLDC & RP)	116	86	279	114	91	255	97	106	198	120	103	275	110	100	243
4447	33725	107	92	275	102	108	236	94	114	235	122	87	277	106	103	249
4448	33726	113	88	273	103	94	238	100	106	151	122	85	274	108	95	221
4449	33727	102	106	262	106	113	272	101	126	343	102	98	274	103	112	296
4450	33728	103	110	215	108	116	210	88	132	224	122	111	276	106	120	237
4451	33729	111	106	226	112	112	237	94	141	202	120	129	274	109	127	238
4452	ZC	110	87	258	114	92	231	108	121	220	138	90	277	120	101	243
4453	33730	112	101	266	108	109	240	95	118	202	124	100	276	109	109	239
4454	33731	120	100	234	120	109	258	109	125	182	120	122	275	116	119	238
4455	33732	110	109	239	112	106	225	92	132	200	122	116	277	109	118	234
4456	33733	102	85	306	98	90	236	96	105	153	120	109	281	105	101	223
4457	33734	114	87	263	110	94	255	96	114	204	118	110	278	108	106	246
4458	33735	94	81	269	88	92	316	95	85	228	122	110	273	102	96	272
4459	33736	113	106	294	114	93	231	97	127	195	119	93	274	110	104	233
4460	33737	95	96	236	92	99	230	83	125	180	116	111	276	97	112	229
4461	33738	116	105	303	114	107	273	105	130	236	110	100	282	110	112	264
4462	33739	118	104	289	118	113	278	113	133	190	106	118	273	112	121	247
4463	33740	100	102	228	100	114	218	86	125	242	108	98	272	98	112	244
4464	LC	107	98	296	102	100	242	96	120	214	102	122	288	100	114	248
Experimental Mean		109	101	257	108	105	237	95	124	212	115	109	278	106	113	242
Standard Error		1.31			0.58			7.54			0.99			0		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI -		
		Maharashtra									Maharashtra (3)			WESTERN (6)		
		Karjat			Shirgaon			Radhanagari			Mean			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4401	33682	106	118	278	118	116	175	100	98	176	108	111	210	106	116	241
4402	33683	106	122	270	120	113	144	100	102	243	109	112	219	106	112	236
4403	33684	100	104	252	114	110	170	98	101	260	104	105	228	103	106	236
4404	33685	98	107	292	110	114	139	96	99	203	101	107	211	99	112	222
4405	33686	96	94	272	108	94	115	88	81	204	98	90	197	98	93	222
4406	33687	115	124	250	126	123	208	118	103	218	120	116	225	117	119	242
4407	33688	98	108	266	114	108	197	99	108	202	104	108	221	103	110	230
4408	33689	100	115	250	111	122	184	100	98	212	104	112	215	102	110	240
4409	33690	120	116	218	125	126	204	112	98	202	119	114	208	120	117	231
4410	33691	114	100	248	126	103	170	111	82	248	117	95	222	118	101	238
4411	33692	98	108	302	104	119	120	95	97	213	99	108	212	102	112	231
4412	33693	115	121	252	124	110	193	113	100	220	117	110	222	117	113	225
4413	33694	106	122	250	124	120	178	104	105	214	111	116	214	111	116	232
4414	33695	92	110	290	100	112	120	91	98	184	94	106	198	97	110	220
4415	33696	104	98	274	116	98	170	114	73	240	112	90	228	112	96	232
4416	33697	117	120	249	126	122	228	114	100	178	119	114	218	119	116	230
4417	33698	97	118	290	104	120	148	97	104	186	100	114	208	99	113	226
4418	33699	114	114	237	118	109	207	98	92	190	110	105	211	109	110	234
4419	Telangana Sona (NEDC)	104	126	262	120	130	194	102	112	208	108	123	221	110	123	236
4420	33700	115	113	232	120	101	199	101	97	221	112	104	217	112	105	247
4421	33701	118	114	250	125	112	197	117	92	216	120	106	221	118	114	232
4422	33702	100	115	259	110	116	222	96	102	198	102	111	227	104	114	239
4423	33703	123	94	214	126	106	204	116	100	189	122	100	202	122	104	238
4424	33704	117	111	272	118	102	173	112	96	212	116	103	219	113	110	247
4425	33705	114	119	238	122	116	170	102	98	244	112	111	218	114	110	231
4426	33706	100	106	296	110	115	144	124	105	239	111	109	226	106	109	238
4427	33707	98	106	260	100	109	160	86	96	192	95	104	204	99	109	216
4428	33708	96	128	290	120	127	139	102	102	212	106	119	214	104	119	224
4429	33709	115	114	260	94	113	196	100	101	214	103	109	224	109	113	228
4430	33710	117	115	270	122	116	130	104	102	226	114	111	209	113	115	228
4431	33711				122	129	124	98	94	242	110	112	184	120	127	217
4432	33712	98	107	288	110	101	110	90	92	208	99	100	202	100	101	213
4433	33713	98	109	254	111	105	166	100	86	218	103	100	212	102	100	212
4434	33714	84	95	310	104	104	194	96	86	192	95	95	232	96	100	229
4435	WGL-14 (NMDC)	104	120	247	120	122	150	102	102	250	109	114	215	107	119	227
4436	33715	81	86	286	104	104	172	100	92	174	95	94	210	96	102	218
4437	33716	100	114	256	108	121	144	95	98	174	101	111	191	100	114	214
4438	33717	100	106	250	108	122	168	94	100	214	101	110	211	99	111	213
4439	33718	94	129	292	100	148	110	86	130	208	93	135	203	92	131	215
4440	33719	104	127	269	120	128	148	102	96	214	108	117	210	106	120	220
4441	33720	90	108	236	110	100	178	92	78	244	97	95	219	99	103	226
4442	33721	104	103	248	120	112	167	98	108	190	107	108	202	108	110	208
4443	33722	103	124	235	120	125	212	101	118	204	108	122	217	108	122	215
4444	33723	106	106	234	122	102	117	102	90	209	110	100	186	110	105	219
4445	33724	106	129	254	120	120	113	99	100	176	109	116	181	107	120	215
4446	BPT-5204 (NLDC & RP)	113	90	260	122	94	198	109	70	193	115	85	217	113	92	230
4447	33725	106	112	259	116	110	142	99	100	177	107	107	192	107	105	221
4448	33726	104	118	258	120	98	134	100	98	242	108	104	212	108	100	216
4449	33727	106	116	256	111	127	178	96	103	220	104	116	218	104	114	257
4450	33728	100	118	263	113	126	166	100	108	178	104	117	202	105	119	220
4451	33729	115	122	250	125	124	180	104	98	206	114	115	212	112	121	225
4452	ZC	108	98	247	120	97	152	114	83	233	114	93	210	117	97	227
4453	33730	106	119	254	120	114	191	108	94	214	112	109	220	110	109	230
4454	33731	118	121	227	124	121	137	104	88	200	115	110	188	116	114	213
4455	33732	106	124	269	118	116	124	105	95	210	110	112	201	109	115	218
4456	33733	90	90	256	104	95	172	95	76	241	96	87	223	101	94	223
4457	33734	106	102	230	123	99	170	102	102	258	110	101	219	109	104	233
4458	33735	94	90	259	98	98	163	92	88	269	95	92	230	98	94	251
4459	33736	104	110	350	123	110	172	110	108	217	112	109	246	111	107	240
4460	33737	96	102	289	99	109	151	87	90	174	94	100	205	96	106	217
4461	33738	106	122	250	122	113	113	116	90	250	115	108	204	112	110	234
4462	33739	116	126	306	126	121	116	120	84	254	121	110	226	117	116	236
4463	33740	96	106	290	110	110	174	93	101	204	100	106	223	99	109	233
4464	LC	94	103	279	110	105	164	93	98	199	99	102	214	100	108	231
Experimental Mean		104	111	262	115	113	163	101	96	212	107	107	213	106	110	227
Standard Error		0.89			0.49			0.8			0.45			0		

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Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh									Andhra Pradesh (3)			Karnataka		
		Ragolu			Bapatla			Maruteru			Mean			Gangavati		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4401	33682	98	130	306	100	116	242	88	130	340	95	125	296	104	111	316
4402	33683	100	116	246	104	50	262	97	123	316	100	96	275	110	113	308
4403	33684	92	114	296	98	104	258	92	118	356	94	112	304	103	92	308
4404	33685	92	118	298	96	99	284	88	127	346	92	115	310	105	110	344
4405	33686	90	86	334	88	78	234	86	96	268	88	87	278	102	76	265
4406	33687	106	115	298	110	102	266	102	129	360	106	115	308	106	112	268
4407	33688	94	113	240	98	102	230	90	99	267	94	105	246	104	92	309
4408	33689	95	112	306	97	102	312	92	121	320	94	112	313	102	98	286
4409	33690	116	129	241	90	112	231	114	137	373	107	126	282	119	125	368
4410	33691	116	122	318	111	109	250	113	120	324	113	117	297	114	100	344
4411	33692	88	107	324	94	108	221	86	109	317	89	108	287	100	104	300
4412	33693	110	131	192	108	112	318	98	131	350	105	125	286	120	114	276
4413	33694	104	113	234	103	115	311	100	133	340	102	121	295	108	112	294
4414	33695	92	109	251	89	102	246	90	105	284	90	105	260	96	107	300
4415	33696	100	109	330	99	104	248	96	106	317	98	107	298	106	86	314
4416	33697	108	138	208	110	128	302	106	135	353	108	134	288	117	106	346
4417	33698	84	101	204	95	96	261	80	102	320	86	100	262	100	106	285
4418	33699	106	110	308	101	102	326	99	129	314	102	113	316	106	105	342
4419	Telangana Sona (NEDC)	94	116	320	96	126	272	96	129	333	95	124	308	100	110	344
4420	33700	106	100	320	103	106	324	102	123	324	104	110	322	109	104	330
4421	33701	106	109	324	109	99	237	102	127	340	106	112	300	114	101	308
4422	33702	92	115	294	98	76	291	94	112	353	95	101	312	108	112	324
4423	33703	122	123	316	100	100	326	117	122	334	113	115	325	114	100	337
4424	33704	124	126	302	97	115	296	113	127	330	111	123	309	121	108	350
4425	33705	112	126	330	98	104	268	108	121	334	106	117	311	113	105	349
4426	33706	88	102	310	89	80	250	88	124	330	88	102	297	104	105	329
4427	33707	82	96	302	87	92	271	89	103	287	86	97	287	94	107	350
4428	33708	96	108	302	97	104	224	92	132	360	95	115	295	100	111	342
4429	33709	112	132	254	104	109	289	102	124	343	106	122	295	110	114	303
4430	33710	106	120	214	106	106	221	98	127	350	103	118	262	110	115	322
4431	33711	130	144	292	92	120	310	118	126	327	113	130	310	122	130	352
4432	33712	90	106	243	94	95	226	91	106	340	92	102	270	99	97	306
4433	33713	91	105	221	98	101	318	88	112	360	92	106	300	106	100	406
4434	33714	90	97	300	94	99	252	82	106	264	88	101	272	99	98	331
4435	WGL-14 (NMDC)	104	115	198	108	116	326	96	129	360	103	120	294	110	112	371
4436	33715	86	107	297	103	98	244	82	106	327	90	104	289	104	105	314
4437	33716	97	120	284	96	116	288	90	128	356	94	121	309	104	115	347
4438	33717	94	116	232	92	114	277	92	118	333	92	116	281	102	101	292
4439	33718	86	145	260	86	124	264	88	129	317	86	133	280	97	133	283
4440	33719	100	126	214	100	116	274	88	112	307	96	118	265	106	118	356
4441	33720	94	109	241	98	100	305	90	126	314	94	112	286	108	102	350
4442	33721	104	117	195	98	94	300	94	124	326	98	112	274	106	110	287
4443	33722	100	139	214	100	109	302	92	131	356	98	126	291	109	122	344
4444	33723	104	114	256	106	98	220	98	120	350	102	111	275	106	98	320
4445	33724	98	136	222	96	118	292	88	130	304	94	128	272	106	114	344
4446	BPT-5204 (NLDC & RP)	110	96	241	111	88	238	102	115	320	108	100	266	112	86	310
4447	33725	102	104	280	101	118	288	87	129	326	96	117	298	108	96	321
4448	33726	101	101	240	100	101	303	100	111	343	100	104	295	108	100	310
4449	33727	96	138	259	100	110	273	91	136	346	96	128	293	106	123	344
4450	33728	96	130	196	94	108	230	88	131	353	92	123	260	108	121	353
4451	33729	106	135	224	106	116	322	98	132	366	103	128	304	114	116	344
4452	ZC	110	116	284	96	104	273	100	125	350	102	115	302	112	100	351
4453	33730	102	125	260	107	104	296	96	124	346	102	118	301	112	100	351
4454	33731	110	139	192	107	115	286	108	130	350	108	128	276	110	108	336
4455	33732	101	126	212	99	112	234	94	137	350	98	125	265	112	118	336
4456	33733	92	77	238	94	96	283	86	101	297	91	92	273	98	84	300
4457	33734	101	104	205	102	104	222	96	110	317	100	106	248	110	98	324
4458	33735	90	84	232	87	108	222	82	95	334	86	96	262	98	84	375
4459	33736	106	121	294	109	96	272	90	120	350	101	112	306	112	104	386
4460	33737	84	110	231	91	91	210	79	93	304	85	98	248	98	100	292
4461	33738	100	111	211	103	105	282	92	123	350	98	113	281	106	108	384
4462	33739	102	108	188	107	107	250	100	125	353	103	113	264	109	106	341
4463	33740	94	112	202	91	107	236	90	123	350	92	114	263	104	104	296
4464	LC	104	102	250	108	90	305	102	104	297	104	99	284	106	114	346
Experimental Mean		100	115	259	99	104	270	94	120	331	98	113	287	106	106	327
Standard Error		0.51			0			1.11			0.99			0.99		

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Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka						Karnataka (3)			Kerala			Telangana		
		Mugad			Mandya			Mean			Pattambi			Rajendranagar		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4401	33682	98	86	330	112	96	357	105	98	334	102	93	371	112	104	350
4402	33683	104	77	369	122	91	323	112	94	333	96	90	357	113	135	400
4403	33684	100	70	356	118	96	374	107	86	346	92	89	298	105	101	300
4404	33685	95	76	340	121	97	357	107	94	347	96	88	240	105	109	373
4405	33686	98	86	332	117	80	340	106	81	312	92	73	434	99	85	353
4406	33687	97	63	311	116	97	340	106	91	306	99	96	374	115	113	267
4407	33688	102	80	286	124	91	340	110	88	312	94	96	258	105	99	310
4408	33689	102	70	372	107	90	340	104	86	333	92	90	231	104	103	317
4409	33690	112	83	325	123	96	340	118	102	344	107	115	470	118	116	231
4410	33691	108	73	302	120	91	323	114	88	323	110	97	396	120	98	393
4411	33692	106	71	284	118	90	357	108	88	314	93	90	554	103	97	294
4412	33693	109	81	311	123	101	323	118	99	304	102	108	208	112	114	231
4413	33694	108	69	306	119	98	374	112	93	325	100	91	488	115	109	287
4414	33695	91	78	338	115	87	323	101	91	320	88	94	269	97	95	214
4415	33696	105	72	338	112	76	340	108	78	330	92	82	225	98	86	380
4416	33697	113	91	358	128	85	323	119	94	342	102	95	396	120	110	280
4417	33698	103	80	374	115	104	323	106	97	327	89	90	210	102	91	268
4418	33699	104	74	357	117	90	340	109	90	346	94	84	405	107	102	370
4419	Telangana Sona (NEDC)	92	65	328	116	90	289	102	88	320	90	109	130	105	107	258
4420	33700	101	70	350	111	86	340	107	87	340	102	98	330	112	96	422
4421	33701	118	88	346	110	88	340	114	92	331	102	104	719	112	102	366
4422	33702	108	73	276	112	95	340	109	94	313	100	102	429	107	103	314
4423	33703	113	91	336	112	88	391	113	93	354	120	108	356	120	99	396
4424	33704	115	76	321	115	90	323	117	91	332	118	109	705	122	102	350
4425	33705	110	74	368	116	95	306	113	91	341	108	104	497	117	107	344
4426	33706	94	65	344	112	80	340	103	83	338	95	95	628	99	92	419
4427	33707	87	72	382	112	84	323	97	88	352	88	105	500	99	96	290
4428	33708	95	81	334	111	87	340	102	93	339	96	110	491	101	106	261
4429	33709	106	72	319	116	85	306	111	90	309	107	127	413	117	107	330
4430	33710	102	80	308	112	96	340	108	97	323	102	122	523	112	107	228
4431	33711	104	85	362	128	97	340	118	104	352	122	119	662	132	120	340
4432	33712	94	66	279	107	82	323	100	82	302	98	95	366	106	99	284
4433	33713	100	74	346	121	85	306	109	86	352	98	90	342	112	92	356
4434	33714	108	84	332	111	87	323	106	90	328	100	92	716	101	92	350
4435	WGL-14 (NMDC)	96	66	321	116	95	306	107	91	333	104	120	362	114	108	320
4436	33715	98	68	337	117	96	323	106	89	325	100	92	490	103	102	307
4437	33716	104	85	362	117	96	323	108	99	344	99	116	457	108	98	274
4438	33717	100	81	306	111	97	374	104	93	324	89	129	562	104	103	290
4439	33718	98	88	310	112	105	323	102	109	305	90	131	410	89	118	250
4440	33719	104	83	318	115	97	323	108	99	332	100	106	400	107	100	297
4441	33720	112	69	332	115	82	323	112	84	335	94	93	523	103	96	383
4442	33721	102	79	338	109	90	374	106	93	333	97	97	292	103	102	324
4443	33722	102	64	322	116	106	323	109	97	330	100	113	334	112	116	280
4444	33723	109	71	352	110	91	323	109	87	332	102	101	438	106	89	334
4445	33724	100	79	316	112	98	340	106	97	334	96	110	354	105	108	306
4446	BPT-5204 (NLDC & RP)	112	67	350	110	75	340	112	76	333	112	95	360	115	85	360
4447	33725	106	71	300	112	91	340	109	86	320	99	107	652	103	97	340
4448	33726	104	78	269	109	96	357	107	91	312	98	94	622	107	98	320
4449	33727	104	68	323	112	97	323	108	96	330	94	109	672	105	112	288
4450	33728	110	72	386	115	102	306	111	98	348	95	120	339	104	107	211
4451	33729	108	83	380	118	84	289	113	94	337	103	110	268	112	110	287
4452	ZC	112	86	300	116	87	357	113	91	336	107	96	587	115	110	356
4453	33730	112	76	318	119	90	306	115	89	325	98	103	340	105	107	304
4454	33731	107	70	366	110	92	323	109	90	342	120	107	490	115	109	360
4455	33732	107	84	291	123	99	289	114	101	306	99	106	448	115	104	363
4456	33733	105	69	304	119	74	340	108	76	315	96	77	372	98	73	466
4457	33734	110	67	342	122	81	272	114	82	312	98	100	590	109	93	270
4458	33735	97	71	330	120	76	340	105	77	348	92	87	412	94	83	534
4459	33736	115	91	368	123	97	340	117	97	364	100	88	373	115	110	324
4460	33737	93	74	296	112	78	323	101	84	304	93	116	380	95	90	287
4461	33738	112	67	307	109	85	374	109	87	355	100	112	565	109	102	422
4462	33739	110	74	276	110	91	323	110	90	313	102	94	602	113	99	376
4463	33740	93	70	308	110	97	323	102	90	309	93	101	338	104	94	258
4464	LC	110	76	342	102	104	306	106	98	332	107	130	389	101	89	274
Experimental Mean		103	75	329	115	90	331	109	91	330	99	101	482	108	101	323
Standard Error		0.91			0.37			0.45			2.89			0.72		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Telangana			Telangana (2)			Tamil Nadu					
		Warangal			Mean			Tirur			Coimbatore		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4401	33682	103	125	448	108	114	399	90	105	204	108	107	365
4402	33683	102	120	409	108	128	404	84	86	208	112	80	355
4403	33684	96	116	407	100	108	354	83	91	305	102	96	312
4404	33685	94	120	404	100	115	389	80	90	270	100	97	348
4405	33686	91	92	414	95	88	383	90	75	324	94	90	340
4406	33687	118	114	405	116	113	336	86	81	219	104	94	358
4407	33688	96	112	418	101	106	364	82	83	253	100	108	348
4408	33689	98	110	427	101	106	372	79	83	350	102	97	378
4409	33690	118	134	390	118	125	310	98	95	324	118	111	328
4410	33691	118	112	432	119	105	412	102	88	307	116	103	405
4411	33692	94	109	407	98	103	350	88	90	333	100	97	342
4412	33693	118	125	398	115	120	314	96	92	278	118	107	315
4413	33694	110	121	424	112	115	356	96	97	278	106	108	322
4414	33695	88	115	392	92	105	303	82	82	215	94	95	348
4415	33696	106	92	424	102	89	402	80	74	248	100	93	358
4416	33697	118	121	420	119	115	350	98	94	306	116	107	323
4417	33698	88	121	432	95	106	350	88	89	202	98	104	390
4418	33699	107	114	468	107	108	418	88	96	304	112	103	358
4419	Telangana Sona (NEDC)	104	131	440	105	119	349	84	93	248	98	102	342
4420	33700	107	105	449	110	100	436	90	81	300	108	103	308
4421	33701	118	112	396	115	107	381	80	79	239	110	102	355
4422	33702	100	120	392	104	112	353	90	94	268	104	104	345
4423	33703	120	116	458	120	108	427	98	84	314	116	85	372
4424	33704	118	120	410	120	111	380	104	101	301	120	91	330
4425	33705	108	105	412	113	106	378	98	77	244	108	104	335
4426	33706	90	116	446	95	104	432	84	85	280	98	99	335
4427	33707	88	110	445	93	103	368	84	89	334	96	89	345
4428	33708	99	131	405	100	119	333	84	94	200	100	94	340
4429	33709	115	114	422	116	111	376	91	91	312	108	97	322
4430	33710	107	114	414	109	111	321	90	96	347	106	102	362
4431	33711	117	131	448	124	126	394	104	115	298	128	111	348
4432	33712	91	102	405	98	100	344	82	80	206	86	93	302
4433	33713	94	101	448	103	97	402	92	79	276	100	94	352
4434	33714	90	106	405	96	99	377	88	81	332	102	87	330
4435	WGL-14 (NMDC)	97	120	414	105	114	367	90	96	268	112	102	350
4436	33715	92	120	412	98	111	359	80	86	335	104	99	365
4437	33716	96	117	420	102	108	347	88	95	324	110	83	308
4438	33717	90	102	382	97	103	336	92	92	234	100	105	320
4439	33718	86	124	384	88	121	317	84	121	173	90	106	395
4440	33719	100	115	392	104	107	345	84	91	304	106	110	338
4441	33720	90	111	420	97	104	402	84	73	258	98	101	315
4442	33721	99	114	417	101	108	370	87	84	272	104	109	312
4443	33722	98	128	412	105	122	346	92	104	276	110	107	338
4444	33723	98	102	420	102	95	377	88	83	304	108	90	318
4445	33724	98	126	410	102	117	358	88	91	261	102	104	390
4446	BPT-5204 (NLDC & RP)	108	92	427	112	88	393	100	73	302	112	90	352
4447	33725	96	121	436	100	109	388	88	91	336	106	99	362
4448	33726	96	112	416	102	105	368	82	82	274	106	94	322
4449	33727	98	124	376	102	118	332	94	102	246	98	100	330
4450	33728	96	119	374	100	113	292	94	95	228	104	111	222
4451	33729	104	128	404	108	119	346	104	84	342	114	108	332
4452	ZC	108	119	396	111	115	376	98	85	294	108	98	338
4453	33730	102	113	376	104	110	340	94	92	280	118	90	335
4454	33731	109	118	372	112	114	366	95	98	298	112	85	328
4455	33732	99	124	385	107	114	374	94	100	310	114	107	330
4456	33733	89	89	394	94	81	430	86	80	306	98	98	322
4457	33734	98	100	388	104	96	329	84	79	277	108	100	338
4458	33735	86	98	400	90	91	468	88	98	276	96	88	350
4459	33736	102	114	427	108	112	375	88	91	265	108	97	338
4460	33737	87	107	384	91	98	336	80	80	329	94	103	322
4461	33738	108	107	390	108	105	406	84	85	315	102	95	355
4462	33739	116	111	404	114	105	390	92	96	226	112	103	340
4463	33740	90	118	343	97	106	300	90	101	260	96	101	312
4464	LC	106	122	407	104	105	340	88	86	306	106	112	368
Experimental Mean		101	114	410	105	108	367	89	89	279	105	99	340
Standard Error		0.94			0.59			0.6			0.74		

Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (12)			Maharashtra (5)		
		Tamil Nadu			Tamil Nadu (3)			Mean			Mean		
		Adutrai			Mean			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4401	33682	100	75	429	100	96	333	101	107	338	108	112	240
4402	33683	102	80	396	100	82	320	104	97	329	108	113	253
4403	33684	104	75	462	96	87	360	99	97	336	103	108	243
4404	33685	102	80	380	94	89	332	98	101	332	98	104	243
4405	33686	107	70	412	97	78	359	96	82	338	95	89	236
4406	33687	110	76	495	100	84	357	106	99	330	119	117	248
4407	33688	108	78	330	96	90	310	100	96	299	104	109	235
4408	33689	100	85	404	94	88	378	98	97	337	103	107	253
4409	33690	102	80	504	106	95	385	111	111	344	119	115	241
4410	33691	104	101	438	107	97	384	113	101	353	117	99	267
4411	33692	103	80	397	97	89	358	98	96	344	98	106	227
4412	33693	108	106	362	107	102	318	110	110	297	115	114	235
4413	33694	103	83	389	102	96	330	106	104	337	111	116	237
4414	33695	113	74	495	96	84	352	95	95	306	92	106	237
4415	33696	100	70	408	94	79	338	100	88	328	110	89	237
4416	33697	101	87	363	105	96	331	111	108	332	119	110	226
4417	33698	101	98	351	95	97	314	95	99	302	98	112	204
4418	33699	107	85	363	102	95	342	104	100	355	110	104	262
4419	Telangana Sona (NEDC)	108	90	350	96	95	313	99	106	305	108	123	220
4420	33700	104	90	401	100	91	336	105	97	350	109	105	254
4421	33701	103	74	300	98	85	298	107	99	356	118	107	266
4422	33702	99	74	424	98	91	346	101	98	338	103	112	230
4423	33703	108	90	396	108	86	361	113	101	361	120	104	247
4424	33704	105	105	378	110	99	336	114	106	366	116	109	252
4425	33705	106	90	378	104	90	319	109	101	347	112	105	230
4426	33706	106	70	378	96	84	331	96	93	366	103	106	248
4427	33707	105	105	361	95	94	347	93	96	349	92	105	264
4428	33708	103	74	399	96	87	313	98	103	333	107	119	252
4429	33709	100	74	339	100	87	324	107	104	329	107	111	251
4430	33710	106	75	378	101	91	362	105	105	334	111	115	245
4431	33711	109	120	418	114	115	354	117	118	375	114	122	234
4432	33712	110	95	376	93	89	295	96	93	305	97	105	231
4433	33713	110	70	370	101	81	333	101	92	342	101	102	239
4434	33714	106	75	316	98	81	326	98	92	354	94	99	263
4435	WGL-14 (NMDC)	106	70	354	103	89	324	104	104	329	108	115	270
4436	33715	105	74	394	97	87	365	98	96	345	96	99	243
4437	33716	107	85	446	101	88	359	101	105	349	98	110	231
4438	33717	105	90	504	99	95	353	98	104	342	88	108	246
4439	33718	104	88	401	93	105	323	93	118	314	91	130	244
4440	33719	105	82	368	98	94	336	101	105	324	107	115	228
4441	33720	109	66	339	97	80	304	100	94	342	96	96	256
4442	33721	110	86	451	100	93	345	101	101	324	106	112	217
4443	33722	110	93	347	104	101	320	103	111	321	105	123	231
4444	33723	109	90	390	102	87	337	104	96	335	109	100	244
4445	33724	110	85	392	100	93	348	100	108	328	108	115	217
4446	BPT-5204 (NLDC & RP)	101	70	300	104	78	318	109	86	325	114	89	252
4447	33725	109	85	368	101	92	355	101	101	362	104	104	242
4448	33726	110	74	361	99	83	319	102	95	345	109	99	247
4449	33727	107	92	442	100	98	340	100	109	352	101	114	261
4450	33728	110	100	458	103	102	303	101	110	305	102	117	226
4451	33729	104	72	434	108	88	370	108	107	333	112	114	232
4452	ZC	104	86	346	103	90	326	107	101	353	111	94	243
4453	33730	107	85	370	106	89	328	106	101	324	109	110	268
4454	33731	105	118	382	104	100	336	109	107	340	115	112	228
4455	33732	110	92	375	106	100	338	106	109	327	108	113	238
4456	33733	110	65	442	98	81	357	98	82	339	95	90	273
4457	33734	103	75	496	98	85	370	103	93	337	111	100	250
4458	33735	110	69	368	98	85	331	95	87	348	92	92	282
4459	33736	110	84	438	102	91	347	107	101	348	112	113	269
4460	33737	112	80	300	96	87	317	93	94	305	91	100	246
4461	33738	110	70	345	99	83	338	103	98	358	114	111	268
4462	33739	110	75	333	104	92	300	107	99	334	119	110	272
4463	33740	102	100	370	96	101	314	96	102	300	98	106	239
4464	LC	108	85	392	101	94	355	104	101	332	102	104	267
Experimental Mean		106	83	391	100	91	337	102	100	339	106	108	245
Standard Error		1.45			0.56			0.4			1.04		

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Table No. 12.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – MS, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN						ZONE IV - NORTH EASTERN								
		Uttar Pradesh			West Bengal			Assam			Tripura					
		@Gorakhpur			@Chinsurah			@Gerua			@Lembucherra		@Arundhutinagar			
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4401	33682	95	116	427	118	140	332	118	110	258	107	98	312	94	120	468
4402	33683	84	104	419	116	96	264	123	97	264	109	98	188	94	108	828
4403	33684	93	112	430	104	144	292	109	102	221	112	100	238	90	122	648
4404	33685	81	119	500	102	106	225				112	104	312	84	124	738
4405	33686	77	100	382	100	83	253	113	85	264	110	94	312	82	112	684
4406	33687	126	121	401	114	105	247				109	111	425	92	125	432
4407	33688	98	116	415	102	108	247				112	98	325	93	124	396
4408	33689	102	114	392	104	134	346	109	98	237	120	102	300	98	116	702
4409	33690	128	122	505	124	148	284				112	108	262	90	136	450
4410	33691	128	104	419	124	100	247	130	98	254	112	88	300	104	129	468
4411	33692	90	110	402	104	98	269	113	105	244	122	103	488	89	110	738
4412	33693	82	108	450	123	113	242				106	105	338	96	134	324
4413	33694	98	110	395	122	144	302	130	108	270	108	106	350	94	126	738
4414	33695	76	106	412	92	123	318	109	103	226	110	97	462	80	118	738
4415	33696	123	98	424	108	90	297	103	85	254	122	82	275	94	110	684
4416	33697	126	111	411	124	118	247	127	110	232	112	108	300	91	112	432
4417	33698	79	114	370	90	98	264				116	76	475	83	113	684
4418	33699	105	100	418	119	138	356				110	108	388	88	112	468
4419	Telangana Sona (NEDC)	128	117	392	110	103	330	109	103	245	109	104	362	94	136	504
4420	33700	122	106	401	108	131	325	123	100	275	110	90	388	94	113	522
4421	33701	128	103	432	114	94	330	113	103	268	108	111	300	96	126	432
4422	33702	98	114	411	108	109	264				121	101	500	96	120	360
4423	33703	134	113	462	118	139	380	137	152	276	94	86	325	100	124	468
4424	33704	126	112	435	128	142	401	137	101	272	116	85	238	88	127	486
4425	33705	126	102	424	124	108	231	123	103	284	109	93	450	92	124	432
4426	33706	80	113	390	107	96	346	109	96	271	116	97	388	87	115	828
4427	33707	76	104	406	96	124	324	109	99	225	113	104	275	90	91	432
4428	33708	94	132	502	105	142	275	109	105	252	106	106	288	96	137	414
4429	33709	126	111	347	120	109	346	123	102	255	96	106	362	100	125	414
4430	33710	102	99	390	114	112	203	123	107	261	106	111	350	96	120	1008
4431	33711	134	127	416	123	111	236	137	115	247	106	99	250	96	136	414
4432	33712	90	106	410	105	99	297	118	100	233	111	102	312	90	106	414
4433	33713	90	98	380	98	91	253	103	92	256	111	97	288	95	120	360
4434	33714	80	104	378	98	120	308	109	92	272	120	99	312	86	113	468
4435	WGL-14 (NMDC)	96	122	392	98	156	332				110	93	262	90	112	288
4436	33715	79	115	398	105	94	248				114	91	300	92	106	396
4437	33716	90	118	416	107	124	297	118	113	268	108	107	300	92	124	396
4438	33717	76	104	424	99	155	308	103	108	232	114	96	300	82	123	306
4439	33718	82	136	442	92	130	192	113	127	220	111	111	362	93	147	342
4440	33719	100	114	407	111	150	276	113	112	246	115	109	288	90	119	432
4441	33720	90	103	412	102	85	258	103	99	250	122	95	288	92	118	396
4442	33721	104	110	402	112	110	225	118	104	228	110	104	262	92	124	414
4443	33722	96	121	424	111	162	269	123	117	226	108	104	188	94	134	378
4444	33723	102	120	412	116	100	275				106	89	262	95	106	396
4445	33724	98	114	453	112	106	240	118	114	236	106	113	275	95	126	342
4446	BPT-5204 (NLDC & RP)	123	100	458	126	96	302				106	87	325	96	105	324
4447	33725	98	114	406	110	94	368	118	95	273	110	94	350	94	112	414
4448	33726	84	114	419	118	80	286	113	87	268	114	70	250	92	109	414
4449	33727	90	114	456	104	110	177	123	112	263	110	108	262	92	144	378
4450	33728	84	115	418	112	116	203	123	112	239	111	121	462	93	128	360
4451	33729	98	121	332	119	219	257	123	112	259	110	110	300	96	127	378
4452	ZC	78	96	438	118	90	319	113	98	270	112	104	350	91	87	450
4453	33730	101	112	390	107	103	231	118	102	268	110	96	362	98	116	540
4454	33731	122	104	509	119	148	357	130	106	261	108	106	325	90	128	360
4455	33732	90	122	405	110	119	192	113	122	228	106	118	238	92	134	432
4456	33733	92	108	469	95	84	280	103	83	258	112	84	262	92	101	324
4457	33734	95	110	337	106	97	451	113	94	250	114	92	288	95	120	450
4458	33735	76	105	447	101	82	324	114	100	256	109	82	338	83	106	504
4459	33736	100	121	408	107	110	275	123	99	256	112	103	162	87	104	342
4460	33737	75	108	475	106	120	291	109	95	232	108	100	412	87	110	378
4461	33738	126	106	408	110	97	314	113	105	266	110	96	238	93	130	432
4462	33739	128	104	410	116	101	302	113	105	254	110	108	312	96	125	450
4463	33740	83	100	436	105	142	352	114	103	262	108	112	312	92	113	414
4464	LC	103	111	482	115	100	297	123	158	240	106	116	438	84	118	594
Experimental Mean		99	111	419	109	115	287	116	104	252	110	99	320	91	119	478

ADVANCE VARIETY TRIAL 2 & 1 - BIOFORTIFICATION (AVT 2 & 1 - BIOFORT)

Locations: 37

Test Entries: 13

Table: 13

Checks: BPT 5204 (Yield), IR 64 (Yield), DRR Dhan 45 (Yield & Micronutrient) Chittimuthyalu (Micronutrient), DRR Dhan 48 (Yield & Micronutrient).

ATV 1-Biofort trial with 13 entries was conducted along with two yield checks (BPT 5204 and IR 64), Chittimuthyalu as micronutrient check and DRR Dhan 45, and DRR Dhan 48 as yield and micronutrient checks. The biofortification trial was sent to 37 locations and data was received from 33 locations. Data from four locations (Hatwara, Sindewahi, Rudrur and Kurumbapet) was not received. Data from Cuttack, Sirsi and Coimbatore was not considered due to non-significance F value while, from Jeypore, Raipur and Moncompu data was not considered due to low experimental yield (<4000 kg/ha).

The content of micronutrients (Iron and Zinc) in polished rice samples of the test entries was estimated by X-ray fluorescence spectrophotometer (XRF) at IIRR, Hyderabad while protein content was analyzed at NRRI, Cuttack utilizing the seed samples received from test locations. As the XRF values of Zn analyzed at IIRR are 4 ppm lesser than ICP values of zinc, 4 ppm is added uniformly to the Zn content for each of the test entries. Based on the criteria set during 48th ARGM, the entries possessing ≥ 24 ppm Zinc; ≥ 10 ppm protein and ≥ 10 ppm iron in polished rice; and yield on par or more than the best yielding check are eligible for promotion to the next tier of testing. The entries selected (≥ 24.0 ppm Zn, ≥ 10 ppm Fe or 10.0% protein) would then be checked for their yield performance among all the test centers across all the different zones and if found with yield advantage (CD @ 5.0% level of significance) over the best varietal check, they would be considered for promotion i.e., based on ≥ 24.0 ppm Zn, ≥ 10 ppm Fe or 10.0% protein and yield advantage over the BVC.

Zones	II	III	IV	V	VI	VII
Zonal mean (Kg/ha)	2625 (Chittimutyalu-Micro Nutrient Check) - 5564 (IR 64 Yield Check)	4788 (Chittimutyalu-Micro Nutrient Check) - 5669 (IET 32770)	3286 (IR 64 Yield Check) - 6401 (IET 31927*)	3351 (Chittimutyalu-Micro Nutrient Check) - 4625 (BPT 5204 - Yield Check)	3063 (Chittimutyalu-Micro Nutrient Check) - 5148 (IET 31927*)	3800 (IET 31939*) - 5516 (IR 64 – Yield Check)
Exp Mean (Kg/ha)	4092 (Ludhiana) - 5480 (Kota)	4237 (Varanasi) - 6156 (Chiplima)	4431 (Arundhutinagar) - 5210 (Titabar)	3627 (Waraseoni) - 4375 (Sakoli)	4039 (Navasari) - 4602 (Navagam)	3583 (Pattambi) - 7529 (Warangal))
CV%	5.35 (Ludhiana) - 10.98 (Kota)	6.78 (Masodha) - 16.4 (Chiplima)	7.71 (Titabar) - 23.66 (Arundhutinagar)	8.67 (Jabalpur) - 12.7 (Waraseoni)	8.66 (Navagam) - 11.56 (Navasari)	2.85 (Aduturai) - 16.99 (Mugad)
DFF	87 (IET 32769) - 120 (Chittimutyalu-Micro Nutrient Check)	91 (DRR Dhan 45- Yield & Micro Nutrient Check) - 110 (Chittimutyalu-Micro Nutrient Check)	87 (IR 64 Yield Check) & (DRR Dhan 45- Yield & Micro Nutrient Check) - 124 (Chittimutyalu-Micro Nutrient Check)	105 (DRR Dhan 48- Yield & Micro Nutrient Check) - 125 (Chittimutyalu-Micro Nutrient Check)	88 (IET 31938*) - 104 (Chittimutyalu-Micro Nutrient Check)	95 (IR 64 Yield Check) - 108 (BPT 5204 - Yield Check)
PH (cm)	75 (BPT 5204 Yield Check) -	97 (BPT 5204 - Yield Check)	105 (BPT 5204 - Yield Check) -	80 (BPT 5204 - Yield Check) -	97 (BPT 5204 - Yield Check)	90 (BPT 5204) -134

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	120 (Chittimutyalu- Micro Nutrient Check)	- 130 (Chittimutyalu- Micro Nutrient Check)	175 (Chittimutyalu- Micro Nutrient Check)	147 (Chittimutyalu- Micro Nutrient Check)	- 170 (Chittimutyalu- Micro Nutrient Check)	(Chittimutyalu- Micro Nutrient Check)
Pan/m ²	187 (Chittimutyalu- Micro Nutrient Check) – 331 (IET 31927*)	286 (DRR Dhan 45- Yield & Micro Nutrient Check) - 332 (IET 32770)	367 (IET 31925*) - 516 (DRR Dhan 48- Yield & Micro Nutrient Check)	208 (DRR Dhan 48- Yield & Micro Nutrient Check) - 259 (BPT 5204 - Yield Check)	224 (IET 31947*) - 267 (IET 32752)	318 (IET 31938*) -355 (IET 31939*)
DNI (Data not included)	-	-	-	-	-	-
Locations considered	3	5	2	4	3	10

Performance of entries during Kharif 2025

In **Zone II**, IET 31927, and IET 31938 exhibited significantly higher yield than the duration yield check, BPT 5204.

In **Zone III**, none of the entries exhibited significantly higher yield than the duration yield checks (BPT 5204 or IR 64).

In **Zone IV**, IET 31927 and IET 31961) showed higher yield in comparison to the duration yield check, IR 64.

In **Zone V**, no entry exhibited significantly higher yield than the duration yield check (BPT 5204; IR 64).

In **Zone VI**, IET 31927, IET 31938, IET 32729 and IET 32769 exhibited yield advantage with the yield check, IR 64.

In **Zone VII**, none of the entries showed higher yield in comparison to the duration yield checks (BPT 5204 and IR 64).

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Promoted
	II	III	IV	V	VI	VII	
AVT2							
IET 31939 (RP 6458-C1-151)	-	-	-	-	-	3800 /100	Three years completed
IET 31925 (RP 6731-BCRK/RIL- BCRK-4)	-	-	4047 /95	-	-	-	
IET 31927 (GNV 2076)	5143/108	-	6401 /95	-	5148 /93	5497 /100	
IET 31938 (GNV 2075)	4654/108	-	-	-	5083 /88	5421 /100	
IET 31947 (RP 6195-MC/RIL-SM4A- A57)	-	-	-	-	4179 /90	-	
IET 31961 (CSR H3R 17-42)	-	-	4708 /88	-	-	5099 /100	

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AVT1							
IET 32729 (RP 6615-138-4-2)	-	-	-	-	4898 /91	-	Dropped due to low Zn (20.5 ppm) & Fe (1.83 ppm)
IET 32748 (RP 9800-1164)	-	-	-	-	4672 /94	-	-
IET 32752 (RP 6338-192-53-2-1)	-	-	-	-	3964 /99	-	-
IET 32754 (RP 6795-12-18-1-A-P)	-	5406 /111	-	-	4192 /95	-	-
IET 32758 (RP 6732-4)	-	-	-	-	4063 /95	-	-
IET 32770 (R-RGY-IS-110)	-	5669 /108	5426 /103	4324 /108	-	-	-
IET 32769 (R-RHZ-IC-226)	4917/87	-	-	-	4873 /89	-	Dropped due to low Zn (19.1 ppm) & Fe (1.76 ppm)
BPT 5204 (YC)	3978	5520	5176	4625	4455	5248	-
IR 64 (YC)	5564	5205	3286	4146	4367	5516	-
DRR Dhan 45 (YC+MC)	5274	5468	5274	4224	4265	5368	-
DRR Dhan 48 (YC+MC)	4857	5275	5473	3781	4288	5398	-
Chittimuthyalu (MC)	2625	4788	3592	3351	3063	3880	-
CD	342	432	852	279	427	264	-
BPT 5204 + CD	4320	5952	6028	4904	4882	5512	-
IR 64 + CD	5906	5637	4138	4425	4794	5780	-

Performance of entries in Kharif 2025

Based on yield advantage two entries (IET 32729 and IET 32769) under second year of testing were promoted to AVT 2 in Zone VI. **But, they were not promoted based on Fe & Zn values:** IET 32729 – 1.83 ppm Fe, 20.56 ppm Zn ; IET 32769 – 1.76 ppm Fe , Zn – 20.05

Performance of entries in IVT, AVT 1 and AVT 2:

Among the six entries tested in AVT 2 during Kharif 2025, three entries (IET 31927, IET 31938 and IET 31961) out-yielded their respective checks.

S. No	IET	Years	Z II		Zone IV		Zone VI	
			Yield	BVC	Yield	BVC	Yield	BVC
1	31927	2023	5833	5091	6603	5956	5619	4514
		2024	4392	3840	6567	4854	5203	3570
		2025	5143	4320	6401	4138	5148	4794
2	31938	2023	6818	5091			4790	4514
		2024	4755	3840	-	-	5784	3570
		2025	4654	4320			5083	4794

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3	31961	2023	-	-	6775	6419	-	-
		2024			5370	4854		
		2025			4708	4138		

IET 31927 (GNV 2076), a selection from IR93337:37-B-15-15-22-IRGA-2RGA-1-B performed better than the BVC in IVT (2023), AVT 1 (2024) and AVT 2 (2025) in three zones (II, IV and VI). Also, based on its yield quality in AVT 1 and AVT 2, it is found promising for Zones II, IV and VI. ***The Zn values in ZII, ZIV & ZVI were: 23.0 ppm, 22.1 ppm (one centre), 22.5 ppm; Fe values in all the three zones were less than 2.0 ppm, hence not found promising.***

IET 31938 (GNV 2075), a selection from IR99637-123-1-3-B out-yielded the BVC in IVT (2023), AVT 1 (2024) and AVT 2 (2025) in two zones (II, and VI). Also, based on its yield quality in AVT 1 and AVT 2, it is found promising for Zones II, and VI. ***The Zn values in ZII, & ZVI were: 18.8 ppm, & 18.2 ppm; Fe values in all the three zones were less than 2.0 ppm, hence not found promising.***

IET 31961 (CSR H3R 17-42), performed better than the BVC in IVT (2023), AVT 1 (2024) and AVT 2 (2025) in Zone IV. Also, based on its yield quality in AVT 1 and AVT 2, it is found promising for Zone IV. ***The Fe and Zn values were recorded as 1.77 ppm and 16.9 ppm respectively, hence not found promising.***

Table No. 13.1: Composition of entries in Advance Variety Trial 2 & 1 – Biofortification (AVT 2 & 1 – Biofort)

Entry No.	IET No.	Designation	Cross Combination	Zone	GT
4501	31939*	RP 6458-C1-151	Swarna // 166S-Swarna / O.nivara	VII	LS
4502	31925*	RP 6731-BCRK/RIL-BCRK-4	RNR 15048 // RNR 15048 / Karuppunel	IV	MS
4503	BPT 5204 (Yield Check)			II, III, IV, V, VI, VII	
4504	31927*	GNV 2076	Selection from IR93337:37-B-15-15-22-1RGA-2RGA-1-B	II, IV, VI, VII	LS
4505	31938*	GNV 2075	Selection from IR 99637-123-1-3-B	II, VI, VII	LS
4506	IR 64 (Yield Check)			II, III, IV, V, VI, VII	
4507	31947*	RP 6195-MC/RIL-SM4A-A57	MTU1010 / Chittimuthyalu	VI	LB
4508	31961*	CSR H3R 17-42		IV, VII	LS
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)			II, III, IV, V, VI, VII	
4510	32729	RP 6615-138-4-2	MTU1010/karuppunel	VI	SB
4511	32748	RP 6800-1164	IR64/Kala Jeera Joha	VI	MS
4512	32752	RP6338-192-53-2-1	KMR3/N22*2	VI	SB
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)			II, III, IV, V, VI, VII	
4514	32754	RP 6795-12-18-1-A-P	MTU1010/Edavanudi Pokkali	III, VI	LB
4515	32758	RP 6732-4	Improved Samba Mahsuri/Karuppunel	VI	
4516	32770	R-RGY-IS-110	IR681444/Swarna	III, IV, V	MS
4517	Chittimuthyalu (Micro Nutrient Check)			II, III, IV, V, VI, VII	
4518	32769	R-RHZ-IC-226	IGKV R1/CGR 52-45	II, VI, VII	SB

Table No. 13.2: Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						ZONE II - NORTHERN (3)	
		Haryana		Punjab		Rajasthan		Mean	
		Karnal		Ludhiana		Kota			
4503	BPT 5204 (Yield Check)	4093	7	2565	7	5275	6	3978	7
4504	31927*	6133	1	3598	6	5696	3	5143	3
4505	31938*	4537	5	3883	5	5541	5	4654	6
4506	IR 64 (Yield Check)	5593	2	4827	1	6272	2	5564	1
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	4747	4	4760	3	6316	1	5274	2
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	5250	3	4222	4	5098	7	4857	5
4517	Chittimuthyalu (Micro Nutrient Check)	1217	8		8	4034	8	2625	8
4518	32769	4357	6	4788	2	5607	4	4917	4
Experimental Mean		4491		4092		5480		4626	
CD(0.05)		641		389		1054		342	
CV(%)		8.15		5.35		10.98		4.22	
F val		49.4**		42.9**		4.35**		68.86**	
DOS		20-06-2025		18-06-2025		30-06-2025			
DOP		26-07-2025		19-07-2025		28-07-2025			
Local Check Name		CSR 101							

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN					
		Bihar		Odisha		Uttar Pradesh	
		Bikramganj (Dhangain)		Chiplima		Masodha	
4503	BPT 5204 (Yield Check)	5478	3	5476	5	5265	6
4506	IR 64 (Yield Check)	4881	4	7381	1	5666	4
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	6403	1	5317	6	5884	2
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	5969	2	4365	7	5884	2
4514	32754	3994	7	7143	2	6067	1
4516	32770	4694	5	6587	4	5292	5
4517	Chittimuthyalu (Micro Nutrient Check)	4606	6	6825	3	3382	7
Experimental Mean		5146		6156		5348	
CD(0.05)		986		1797		645	
CV(%)		10.77		16.4		6.78	
F val		6.93**		3.67*		19.25**	
DOS		30-06-2025		10-07-2025		19-06-2025	
DOP		25-07-2025		04-08-2025		31-07-2025	
Local Check Name		R. Kasturi		MTU-1156			

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (5)	
		Uttar Pradesh		Uttar Pradesh (2)		West Bengal		Mean	
		Varanasi		Mean		chinsurah			
4503	BPT 5204 (Yield Check)	4674	2	4969	4	6706	2	5520	2
4506	IR 64 (Yield Check)	3489	6	4577	6	4611	6	5205	6
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	3996	5	4940	5	5742	4	5468	3
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4314	3	5099	1	5841	3	5275	5
4514	32754	4098	4	5083	2	5726	5	5406	4
4516	32770	4848	1	5070	3	6921	1	5669	1
4517	Chittimuthyalu (Micro Nutrient Check)		7	3382	7	4337	7	4788	7
Experimental Mean		4237		4732		5698		5333	
CD(0.05)		612		511		959		432	
CV(%)		7.93		6.07		9.46		4.55	
F val		6.42**		14.06**		9.58**		4.14*	
DOS		01-07-2025				23-06-2025			
DOP		21-07-2025				07-08-2025			
Local Check Name									

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN			
		Odisha			
		@Cuttack		@Jeypore	
4503	BPT 5204 (Yield Check)	3810	6	2232	2
4506	IR 64 (Yield Check)	4444	2	2154	4
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	4127	4	1763	5
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4444	2	1570	7
4514	32754	4127	4	2222	3
4516	32770	4762	1	2495	1
4517	Chittimuthyalu (Micro Nutrient Check)	3810	6	1611	6
Experimental Mean		4218		2007	
CD(0.05)		755		357	
CV(%)		10.06		9.99	
F val		2.08ns		9.51**	
DOS				03-07-2025	
DOP				08-08-2025	
Local Check Name					

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN				ZONE IV - NORTH EASTERN (2)	
		Assam		Tripura		Mean	
		Titabar		Arundhutinagar			
4502	31925*	4358	7	3737	7	4047	7
4503	BPT 5204 (Yield Check)	5425	4	4926	4	5176	5
4504	31927*	7580	1*	5221	2	6401	1*
4506	IR 64 (Yield Check)	3432	9	3140	8	3286	9
4508	31961*	4788	5	4628	5	4708	6
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	6582	2	3965	6	5274	4
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4767	6	6179	1	5473	2
4516	32770	5631	3	5221	3	5426	3
4517	Chittimuthyalu (Micro Nutrient Check)	4324	8	2860	9	3592	8
Experimental Mean		5210		4431		4820	
CD(0.05)		695		1814		852	
CV(%)		7.71		23.66		10.21	
F val		29.72**		3.22*		12.53**	
DOS		30-06-2025		02-07-2025			
DOP		23-07-2025		12-07-2025			
Local Check Name				CR-800			

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL					
		Chhattisgarh		Maharashtra		Madhya Pradesh	
		Jagadapur		Sakoli		Waraseoni	
4503	BPT 5204 (Yield Check)	4406	3	5500	1	4006	4
4506	IR 64 (Yield Check)	4484	2	3500	6	4243	1
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	3847	4	4000	5	4029	3
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	3762	5	4125	4	2981	5
4516	32770	4750	1	4625	2	4096	2
4517	Chittimuthyalu (Micro Nutrient Check)	3706	6	4500	3	2404	6
Experimental Mean		4159		4375		3627	
CD(0.05)		664		702		694	
CV(%)		10.6		10.64		12.7	
F val		4.02*		8.54**		10.62**	
DOS		18-06-2025		23-06-2025		24-06-2025	
DOP		12-07-2025		18-07-2025		22-07-2025	
Local Check Name							

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL				ZONE V - CENTRAL (4)	
		Madhya Pradesh		Madhya Pradesh (2)		Mean	
		Jabalpur		Mean			
4503	BPT 5204 (Yield Check)	4588	2	4297	3	4625	1
4506	IR 64 (Yield Check)	4355	3	4299	2	4146	4
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	5020	1	4524	1	4224	3
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4255	4	3618	5	3781	5
4516	32770	3823	5	3960	4	4324	2
4517	Chittimuthyalu (Micro Nutrient Check)	2793	6	2598	6	3351	6
Experimental Mean		4139		3883		4075	
CD(0.05)		541		300		279	
CV(%)		8.67		5.12		4.54	
F val		18.35**		50.18**		23.46**	
DOS		14-06-2025					
DOP		08-07-2025					
Local Check Name							

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE V - CENTRAL	
		Chhattisgarh	
		@Raipur	
4503	BPT 5204 (Yield Check)	3459	3
4506	IR 64 (Yield Check)	3178	4
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	3566	2
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	3649	1
4516	32770	1956	5
4517	Chittimuthyalu (Micro Nutrient Check)	328	6
Experimental Mean		2689	
CD(0.05)		627	
CV(%)		15.48	
F val		39.87**	
DOS		21-06-2025	
DOP		14-07-2025	
Local Check Name			

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN								ZONE VI -	
		Gujarat				Gujarat (2)		Maharashtra		WESTERN (3)	
		Navasari		Nawagam		Mean		Karjat		Mean	
4503	BPT 5204 (Yield Check)	3307		4738	7	4022		5320	3	4455	6
4504	31927*	4536	4	5196	3	4866	2	5712	1	5148	1*
4505	31938*	4824	2	5166	4	4995	1	5259	4	5083	2*
4506	IR 64 (Yield Check)	4559	3	4498		4528	6	4043	10	4367	7
4507	31947*	3624		4604	10	4114	10	4307	8	4179	
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	4225	5	4674	8	4450	7	3895		4265	9
4510	32729	3853	9	5421	1*	4637	4	5419	2	4898	3*
4511	32748	3886	8	5225	2	4555	5	4905	6	4672	5
4512	32752	3719	10	4420		4069		3754		3964	
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4023	6	4636	9	4330	8	4203	9	4288	8
4514	32754	3889	7	4088		3988		4598	7	4192	10
4515	32758	3621		4738	6	4179	9	3830		4063	
4517	Chittimuthyalu (Micro Nutrient Check)	3647		2261		2954		3280		3063	
4518	32769	4830	1	4758	5	4794	3	5032	5	4873	4
Experimental Mean		4039		4602		4320		4540		4393	
CD(0.05)		784		669		482		763		427	
CV(%)		11.56		8.66		6.65		10.02		5.8	
F val		3.19**		11.02**		9.47**		8.03**		13.49**	
DOS		07-07-2025		27-06-2025				21-06-2025			
DOP		28-07-2025		04-08-2025				16-07-2025			
Local Check Name											

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN							
		Andhra Pradesh		Karnataka					
		Maruteru		Brahmavar		Gangavati		Mugad	
4501	31939*	4722	7	2614	9			3313	9
4503	BPT 5204 (Yield Check)	6111	5	4322	4	6353	7	5701	2
4504	31927*	6417	3	2971	8	7195	2	4827	7
4505	31938*	6500	2	4310	5	6416	6	5051	6
4506	IR 64 (Yield Check)	6250	4	4339	3	7061	3	5622	3
4508	31961*	2972	8	4482	1	6437	5	6368	1
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	5250	6	4436	2	7575	1	5427	4
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	7111	1	3939	7	6661	4	5137	5
4517	Chittimuthyalu (Micro Nutrient Check)	1833	9	3952	6	3656	8	4199	8
Experimental Mean		5241		3930		6419		5072	
CD(0.05)		883		496		801		1491	
CV(%)		9.73		7.29		7.12		16.99	
F val		36.44**		16.8**		20.6**		3.25*	
DOS		06-07-2025		14-06-2025		04-07-2025		15-07-2025	
DOP		04-08-2025		31-07-2025		28-07-2025		08-08-2025	
Local Check Name				Kaje25-9		Spoorthi		Kagisali	

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN							
		Karnataka		Karnataka (4)		Kerala		Puducherry	
		Mandya		Mean		Pattambi		Karaikal	
4501	31939*	1951	8	2626	9	4005	1		9
4503	BPT 5204 (Yield Check)	3542	7	4980	6	3950	2	7233	1
4504	31927*	5701	1	5174	5	3766	3	6700	3
4505	31938*	5688	2	5366	4	3638	5	5422	7
4506	IR 64 (Yield Check)	5129	4	5538	3	3566	6	5467	6
4508	31961*	4985	5	5568	2	3297	8	6544	4
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	5277	3	5679	1	3336	7	5789	5
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4060	6	4949	7	3749	4	6944	2
4517	Chittimuthyalu (Micro Nutrient Check)	1804	9	3403	8	2941	9	4644	8
Experimental Mean		4238		4809		3583		6093	
CD(0.05)		617		469		529		633	
CV(%)		8.42		5.64		8.54		5.93	
F val		54.09**		46.44**		3.74*		18.5**	
DOS		24-07-2025						17-09-2025	
DOP		20-08-2025						23-10-2025	
Local Check Name								KKL(R) 4	

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN							
		Telangana				Telangana (2)		Tamil Nadu	
		Rajendranagar		Warangal		Mean		Aduturai	
4501	31939*	9	6198	9	6198	3		9	3800
4503	BPT 5204 (Yield Check)	4318	5	6552	8	5435	9	4401	6
4504	31927*	5054	1	7369	5	6212	2	4973	3
4505	31938*	4957	3	7119	6	6038	4	5113	2
4506	IR 64 (Yield Check)	4972	2	8270	3	6621	1	4489	5
4508	31961*	3235	7	8635	1	5935	5	4032	8
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	3010	8	8413	2	5711	7	5169	1
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	3265	6	8163	4	5714	6	4954	4
4517	Chittimuthyalu (Micro Nutrient Check)	4368	4	7044	7	5706	8	4360	7
Experimental Mean		4147		7529		5952		4686	
CD(0.05)		902		1017		662		234	
CV(%)		12.42		7.8		6.42		2.85	
F val		8.3**		6.64**		2.63ns		29.44**	
DOS		24-06-2025		18-06-2025				01-09-2025	
DOP		23-07-2025		16-07-2025				03-10-2025	
Local Check Name								ADT 51	

Table No. 13.2 (Contd.): Grain Yield (kg/ha) in AVT 2 &1 – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VII - SOUTHERN					
		Karnataka		Kerala		Tamil Nadu	
		@Sirsi		@Moncompu		@Coimbatore	
4501	31939*	3913	9		9	4103	4
4503	BPT 5204 (Yield Check)	4260	7	4090	2	4397	1
4504	31927*	5373	1	2283	7	4059	5
4505	31938*	4653	3	3127	4		9
4506	IR 64 (Yield Check)	4573	4	2293	6	3419	8
4508	31961*	4493	6	3473	3	3501	7
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	5233	2	4743	1	3865	6
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	4120	8	2597	5	4189	3
4517	Chittimuthyalu (Micro Nutrient Check)	4567	5	1197	8	4215	2
Experimental Mean		4576		2975		3969	
CD(0.05)		896		455		695	
CV(%)		11.31		8.73		10.01	
F val		2.56ns		56.42**		2.31ns	
DOS				18-07-2025			
DOP				06-08-2025			
Local Check Name							

Table No. 13.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN									ZONE II - NORTHERN (3)		
		Haryana			Punjab			Rajasthan			Mean		
		Karnal			Ludhiana			Kota					
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4503	BPT 5204 (Yield Check)	108	70	375	126	78	309	121	78	238	119	75	307
4504	31927*	103	91	475	110	112	238	112	112	280	108	105	331
4505	31938*	109	90	340	104	108	251	110	108	268	108	102	286
4506	IR 64 (Yield Check)	103	84	450	99	101	233	92	81	289	98	89	324
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	106	92	365	98	112	226	97	91	303	101	98	298
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	104	85	315	112	96	268	120	100	237	112	94	273
4517	Chittimuthyalu (Micro Nutrient Check)	117	105	157				122	158	216	120	132	187
4518	32769	74	84	350	97	96	271	92	75	267	87	85	296
Experimental Mean		103	87	353	106	100	256	108	100	262	107	98	288
Standard Error		2.46			0.69			1.03			0.94		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN								
		Bihar			Odisha			Uttar Pradesh		
		Bikramganj (Dhangain)			Chiplima			Masodha		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4503	BPT 5204 (Yield Check)	97	101	364	86	83	308	99	114	301
4506	IR 64 (Yield Check)	90	115	358	90	91	327	86	97	279
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	84	126	375	86	85	265	101	102	286
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	90	112	330	95	82	302	98	101	285
4514	32754	98	104	385	92	86	224	102	97	266
4516	32770	97	147	360	86	93	257	105	108	256
4517	Chittimuthyalu (Micro Nutrient Check)	95	120	385	84	87	304	115	118	224
Experimental Mean		93	117	365	88	86	283	100	105	271
Standard Error		0.16			1.07			0.77		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (5)		
		Uttar Pradesh			Uttar Pradesh (2)			West Bengal					
		Varanasi			Mean			chinsurah			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4503	BPT 5204 (Yield Check)	110	95	246	105	104	274	125	94	385	104	97	321
4506	IR 64 (Yield Check)	87	107	222	86	102	251	105	104	297	92	103	297
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	82	125	198	92	114	242	102	120	308	91	112	286
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	104	110	213	101	106	249	120	112	396	101	103	305
4514	32754	110	109	221	106	103	244	114	108	385	103	101	296
4516	32770	98	126	258	102	117	257	113	123	528	100	119	332
4517	Chittimuthyalu (Micro Nutrient Check)	133	143		124	131	224	124	180	396	110	130	327
Experimental Mean		103	116	226	102	111	249	114	120	385	100	109	309
Standard Error		0.65			0.59			0.39			0.33		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN					
		Odisha					
		@Cuttack			@Jeypore		
		DFP	PH	PAN	DFP	PH	PAN
4503	BPT 5204 (Yield Check)	119	103	296	114	78	317
4506	IR 64 (Yield Check)	98	144	311	114	88	315
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	99	136	311	116	76	306
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	103	129	290	114	89	196
4514	32754	111	84	295	115	88	299
4516	32770	108	121	300	116	91	327
4517	Chittimuthyalu (Micro Nutrient Check)	110	167	248	115	94	188
Experimental Mean		106	126	293	114	86	278

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN						ZONE IV - NORTH EASTERN (2)		
		Assam			Tripura					
		Titabar			Arundhutinagar			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4502	31925*	100	131	254	90	124	480	95	128	367
4503	BPT 5204 (Yield Check)	111	101	303	93	109	656	102	105	480
4504	31927*	102	133	325	88	138	688	95	135	507
4506	IR 64 (Yield Check)	98	111	316	75	115	544	87	113	430
4508	31961*	94	132	320	81	133	672	88	132	496
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	97	132	305	77	128	560	87	130	432
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	105	117	313	98	123	720	102	120	516
4516	32770	109	142	324	97	138	656	103	140	490
4517	Chittimuthyalu (Micro Nutrient Check)	122	187	273	126	163	464	124	175	369
Experimental Mean		104	131	303	91	130	604	98	131	454
Standard Error		0.41			0.73			0.42		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL								
		Chhattisgarh			Maharashtra			Madhya Pradesh		
		Jagadapur			Sakoli			Waraseoni		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4503	BPT 5204 (Yield Check)	110	61	142	104	96	324	106	97	277
4506	IR 64 (Yield Check)	96	66	143	109	91	259	116	110	238
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	96	73	145	119	108	253	116	112	290
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	105	73	150	101	111	250	104	103	248
4516	32770	98	92	152	122	126	273	100	136	228
4517	Chittimuthyalu (Micro Nutrient Check)	119	114	164	121	152	267	123	172	262
Experimental Mean		104	79	149	112	114	271	110	121	257
Standard Error		0			0.39			0.34		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL		
		Madhya Pradesh			Madhya Pradesh (2)			(4)		
		Jabalpur			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4503	BPT 5204 (Yield Check)	112	64	293	110	80	285	108	80	259
4506	IR 64 (Yield Check)	110	78	208	113	94	223	108	86	212
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	105	91	213	110	102	252	109	96	226
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	111	79	187	108	91	217	105	91	208
4516	32770	112	105	195	106	120	212	108	115	212
4517	Chittimuthyalu (Micro Nutrient Check)	135	152	220	129	162	241	125	147	228
Experimental Mean		114	94	219	113	108	238	110	102	224
Standard Error		0.67			0.37			0.2		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE V - CENTRAL		
		Chhattisgarh		
		@Raipur		
		DFF	PH	PAN
4503	BPT 5204 (Yield Check)	115	105	296
4506	IR 64 (Yield Check)	93	103	265
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	89	116	238
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	105	116	255
4516	32770	102	197	276
4517	Chittimuthyalu (Micro Nutrient Check)	123	160	270
Experimental Mean		104	132	266

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (3)		
		Gujarat						Gujarat (2)			Maharashtra			Mean		
		Navasari			Nawagam			Mean			Karjat			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4503	BPT 5204 (Yield Check)	109	113	200	102	86	275	106	99	237	95	93	283	102	97	252
4504	31927*	86	149	179	103	127	280	94	138	229	90	134	289	93	137	249
4505	31938*	86	143	179	91	114	279	88	129	229	86	111	271	88	123	243
4506	IR 64 (Yield Check)	97	144	164	96	110	272	96	127	218	97	110	256	97	121	231
4507	31947*	80	121	140	93	119	274	86	120	207	97	115	257	90	118	224
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	82	142	175	99	125	281	90	134	228	86	120	251	89	129	236
4510	32729	85	144	157	97	118	281	91	131	219	90	118	258	91	127	232
4511	32748	85	148	153	108	115	280	96	132	216	90	121	246	94	128	226
4512	32752	98	178	267	105	151	272	102	164	269	94	160	263	99	163	267
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	95	144	153	106	105	273	100	124	213	90	112	281	97	120	236
4514	32754	92	153	156	94	117	269	93	135	212	99	112	283	95	127	236
4515	32758	85	118	230	101	115	272	93	116	251	98	120	258	95	118	253
4517	Chittimuthyalu (Micro Nutrient Check)	99	178	224	103	178	253	101	178	238	110	153	254	104	170	243
4518	32769	78	116	192	104	107	275	91	112	233	84	102	239	89	108	235
Experimental Mean		89	142	183	100	120	274	95	131	228	93	120	263	94	128	240
Standard Error		0.67			0.8			0.57			0.89			0.43		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Andhra Pradesh						Karnataka					
		Maruteru			Brahmavar			Gangavati			Mugad		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4501	31939*	83	116	356	95	76	401				104	66	237
4503	BPT 5204 (Yield Check)	97	148	339	111	69	414	115	87	399	105	72	340
4504	31927*	109	116	284	89	73	432	102	126	339	91	91	282
4505	31938*	97	133	301	89	80	410	98	117	358	86	72	298
4506	IR 64 (Yield Check)	84	123	321	94	83	407	96	100	332	87	76	290
4508	31961*	85	136	295	102	80	427	99	136	397	90	92	324
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	84	139	345	92	78	431	91	121	314	86	85	257
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	106	130	313	87	83	425	105	109	345	98	74	313
4517	Chittimuthyalu (Micro Nutrient Check)	98	167	288	96	77	440	106	158	329	95	116	339
Experimental Mean		93	134	315	95	77	420	101	119	351	93	82	297
Standard Error		0.32			0.96			0.72			0.85		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Karnataka			Karnataka (4)			Kerala			Puducherry		
		Mandya			Mean			Pattambi			Karaikal		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4501	31939*	112	95	295	104	79	311	110	109	378			
4503	BPT 5204 (Yield Check)	119	71	295	112	75	362	109	92	288	88	80	351
4504	31927*	102	102	283	96	98	334	106	114	325	87	99	318
4505	31938*	105	98	295	95	92	314	112	107	200	100	95	304
4506	IR 64 (Yield Check)	101	86	363	94	86	348	109	94	271	80	79	317
4508	31961*	129	110	295	105	104	361	109	114	266	85	83	286
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	126	105	351	99	97	338	112	104	214	93	93	354
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	112	81	317	101	87	350	108	106	291	80	99	343
4517	Chittimuthyalu (Micro Nutrient Check)	102	139	351	100	123	365	111	153	220	91	123	317
Experimental Mean		112	98	316	101	93	345	109	110	272	88	93	323
Standard Error		0.92			0.46			1.15			0.86		

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Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (10)		
		Telangana						Telangana (2)			Tamil Nadu			Mean		
		Rajendranagar			Warangal			Mean			Adutrai			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4501	31939*				97	100	462	97	100	462				100	94	355
4503	BPT 5204 (Yield Check)	117	86	277	111	98	431	114	92	354	112	95	220	108	90	335
4504	31927*	106	99	218	102	122	436	104	110	327	105	93	284	100	103	320
4505	31938*	106	92	266	104	117	434	105	105	350	100	88	317	100	100	318
4506	IR 64 (Yield Check)	100	86	229	98	103	433	99	94	331	103	72	299	95	90	326
4508	31961*	101	102	229	98	130	444	100	116	337	98	95	301	100	108	326
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	100	96	244	96	119	456	98	107	350	105	88	318	99	103	328
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	110	94	282	105	111	442	108	103	362	108	85	276	102	97	335
4517	Chittimuthyalu (Micro Nutrient Check)	116	126	216	104	150	436	110	138	326	100	133	310	102	134	325
Experimental Mean		107	97	245	101	116	441	104	107	355	103	93	290	101	102	330
Standard Error		0.58			0.77			0.51			1.33			0.3		

Table No. 13.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VII - SOUTHERN								
		Karnataka			Kerala			Tamil Nadu		
		@Sirsi			@Moncompu			@Coimbatore		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4501	31939*	109	78	517				101	81	317
4503	BPT 5204 (Yield Check)	114	76	427	74	106	227	115	77	303
4504	31927*	107	95	398	68	127	198	106	98	357
4505	31938*	101	82	385	69	113	191			
4506	IR 64 (Yield Check)	94	80	436	70	85	187	95	75	373
4508	31961*	97	100	405	68	115	196	97	98	340
4509	DRR Dhan 45 (Yield & Micro Nutrient Check)	95	95	407	72	114	211	94	91	320
4513	DRR Dhan 48 (Yield & Micro Nutrient Check)	109	94	365	86	116	183	107	89	320
4517	Chittimuthyalu (Micro Nutrient Check)	109	123	429	108	125	108	109	146	300
Experimental Mean		103	91	418	76	112	187	103	94	328

Table No. 13.4: Grain quality characteristics of entries in AVT 2 & 1 – Biofort, Kharif 2025

Code	Designation	IET Number	HULL	MILL	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1463	4501	31939	77.7	70.1	65.9	5.19	1.61	3.22	LS	VOC	5.0	26.98	22
1464	4502	31925	79.1	70.9	67.9	6.54	2.26	2.89	MS	VOC	4.0	28.30	23
1465	4503	BPT - 5204(YC)	74.6	64.3	55.1	5.23	1.88	2.78	MS	VOC	4.0	24.20	27
1466	4504	31927	77.8	63.9	49.5	6.41	1.92	3.33	LS	VOC	7.0	26.66	22
1467	4505	31938	-	-		-	-	-	-	-	-	-	-
1468	4506	IR-64(YC)	75.5	60.6	56.3	6.55	2.02	3.24	LS	VOC	4.0	26.01	57
1469	4507	31947	79.2	69.3	66.0	6.28	1.82	3.45	LB	A	7.0	21.61	24
1470	4508	31961	76.5	67.5	60.0	5.80	2.15	2.69	LS	VOC	4.0	25.98	65
1471	4509	DRR DHAN -45	75.0	62.6	56.8	6.52	1.99	3.27	LS	VOC	4.0	22.41	55
1472	4510	32729	80.5	67.7	46.0	5.10	1.93	2.64	SB	VOC	4.0	20.41	76
1473	4511	32748	77.1	67.6	30.5	5.71	1.79	3.18	SS	VOC	4.0	25.90	46
1474	4512	32752	-	-		-	-	-	-	-	-	-	-
1475	4513	DRR DHAN -48	74.7	66.2	62.2	4.91	1.75	2.80	MS	VOC	7.0	25.69	24
1476	4514	32754	78.6	70.0	64.8	5.42	1.87	2.89	LB	A	7.0	24.14	25
1477	4515	32758	76.3	65.8	47.0	5.55	1.70	3.26	SS	VOC	4.0	24.49	49
1478	4516	32770	77.4	67.1	63.2	6.33	1.93	3.27	MS	A	5.0	25.81	45
1479	4517	CHITTI MUTYALU	-	-		-	-	-	-	-	-	-	-
1480	4518	32769	79.1	66.0	41.5	5.68	2.38	2.38	SB	VOC	4.0	28.71	78
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

Table No. 13.5: Iron content of entries in AVT 2 & 1 – Biofort, Kharif 2025

S.No.	Code	GNV	PTB	NVS	KTA	RPR	SKL	MGD	BRM	MTU	TIB	ARD	CHN	LDN	MND	MSD	JYP	CBT	BKG	CTK	VRN	NWG	MNC
		Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Zn	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
1	4501		2.14					1.94	2.05	1.94					1.63			1.52					
2	4502										2.11	2.75											
3	4503	1.55	2.42	1.56	1.46	1.82	1.54	2.06	2.13	1.86	1.69	1.82	17.30	1.82	1.48	1.40	1.88	1.40	1.67	1.79	1.59	1.75	1.96
4	4504	1.72	2.10	2.01	1.85			1.82	2.12	1.76	2.02	1.69		1.86	1.46			1.68				2.01	2.45
5	4505	1.47	2.22	1.68	1.61			1.82	1.93	1.64				2.00	1.38							1.64	1.79
6	4506	1.45	2.08	1.83	1.85	1.51	1.68	1.68	1.91	2.00	1.77	1.86	18.17	1.64	1.55	1.48	1.59	1.82	2.03	1.91	1.70	1.57	2.04
7	4507			1.78																		1.63	
8	4508	1.27	2.18					1.76	2.30	1.74	1.85	1.82			1.34			1.34					2.19
9	4509	1.65	2.38	1.80	1.88	2.09	1.60	1.88	1.94	1.98	2.15	1.76	18.88	1.80	1.57	1.62	1.77	1.38	2.05	2.01	1.82	1.78	2.19
10	4510			1.72																		1.93	
11	4511			1.64																		1.53	
12	4512			1.79																		1.86	
13	4513	1.63	2.54	1.76	1.55	2.05	1.78	2.10	1.94	1.80	1.79	1.98	19.83	1.84	1.58	1.56	2.14	1.38	2.01	1.86	1.89	1.93	2.07
14	4514			1.55									24.17			1.42	1.64		1.65	1.75	1.70	1.69	
15	4515			1.54																		1.67	
16	4516					1.72	1.62				1.53	1.64	16.67			1.50	1.69		1.46	1.64	1.42		
17	4517	1.79	2.58	1.91	2.03	1.99	2.24	1.94	2.30	2.28	2.01		16.12		1.74		2.29	1.70		2.43	1.54	1.60	1.99
18	4518	1.55		1.74	1.84									1.84								1.84	

Table No. 13.6: Zinc content of entries in AVT 2 & 1 – Biofort, Kharif 2025

S.No.	Code	GNV	PTB	NVS	KTA	RPR	SKL	MGD	BRM	MTU	TTB	ARD	CHN	LDN	MND	MSD	JYP	CBT	BKG	CTK	VRN	NWG	MNC
		Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
1	4501		27.41					22.75	25.79	16.59					14.62			9.24					
2	4502										23.38	24.80											
3	4503	13.31	29.70	17.34	14.93	18.53	16.04	18.64	24.25	20.54	16.99	18.21	17.30	23.11	14.26	15.96	22.28	10.19	19.08	19.04	18.57	17.93	22.04
4	4504	14.89	27.81	24.10	20.15			18.96	22.95	18.01	22.16	21.45		27.10	14.89			11.46				20.90	24.33
5	4505	15.29	22.67	20.11	18.64			21.73	24.89	19.20				26.50	13.15							16.39	22.55
6	4506	12.36	22.04	17.58	17.54	17.10	16.04	17.78	26.15	15.01	16.47	15.65	18.17	20.11	14.14	12.01	22.24	12.01	18.41	18.17	18.60	14.38	22.00
7	4507			22.32																		21.29	
8	4508	12.56	24.49					18.01	25.52	17.06	16.91	20.87			13.63			8.30					21.69
9	4509	16.56	25.04	21.04	18.43	22.46	20.64	20.46	24.59	20.40	22.32	20.95	18.88	24.21	14.68	17.10	22.95	15.17	20.53	21.42	19.08	18.55	22.08
10	4510			19.71																		21.41	
11	4511			22.04																		21.21	
12	4512			16.31																		17.58	
13	4513	16.49	23.73	22.16	18.55	21.84	20.07	21.36	24.30	19.28	22.84	22.78	19.83	26.43	15.17	18.48	25.11	14.03	22.58	21.90	21.24	22.65	23.67
14	4514			22.87									24.17			16.83	26.11		22.63	23.27	22.71	25.56	
15	4515			20.18																		22.24	
16	4516					18.64	18.96				17.66	20.54	16.67			18.17	20.50		17.74	17.97	18.17		
17	4517	14.42	19.28	16.08	17.02	16.55	17.30	14.46	24.33	22.04	18.01		16.12		13.15			15.17		20.42	21.17	17.50	20.26
18	4518	16.79		18.72	18.37									26.90			19.99					19.51	

Table No. 13.7: Protein content of entries in AVT 2 & 1 – Biofort, Kharif 2025

S.No	Entry	LDN	CTK	JYP	CHN	Mean	TTB	RPR	NWG	NVS	Mean	MND	CBT	GGT	Mean	Oveall
		Z-II	Z-III	Z-III	Z-III	Z-III	Z-IV	Z-V	Z-VI	Z-VI	Z-VI	Z-VII	Z-VII	Z-VII	Z-VII	Mean
1	4501											10.090	8.160		9.125	9.125
2	4502						7.420		8.390		8.390					7.905
3	4503	9.270	6.309	9.360	8.505	8.058	8.760	7.630	9.100	9.330	9.215	9.050		7.150	8.100	8.506
4	4504	5.895					7.100		6.820	8.420	7.620	8.020	7.690	6.220	7.310	6.981
5	4505	8.136							7.720	8.510	8.115	8.490	7.460	7.110	7.687	7.979
6	4506	8.874	7.965	9.612	8.793	8.790	9.620	8.440	6.080	9.570	7.825	8.780		6.380	7.580	8.522
7	4507								7.970	8.730	8.350		10.710		10.710	9.530
8	4508						9.020					6.790		7.010	6.900	7.960
9	4509	7.695	7.560	9.720	7.776	8.352	8.600	7.480	7.180	8.620	7.900	8.340	7.460	6.200	7.333	7.893
10	4510								7.690	7.730	7.710		7.340		7.340	7.525
11	4511								5.920	6.150	6.035					6.035
12	4512								5.980	6.180	6.080					6.080
13	4513	8.469	7.479	9.630	7.857	8.322	6.860	7.420	8.630	9.710	9.170	8.610	6.180	7.530	7.440	7.947
14	4514		8.838	10.701	8.091	9.210			8.930		8.930					9.070
15	4515								7.210		7.210					7.210
16	4516		7.722	10.368		9.045	8.820	10.360								9.408
17	4517		7.884	12.060	8.802	9.582	6.040	7.870	9.240	8.830	9.035	9.220	7.350	7.830	8.133	8.132
18	4518	9.711							10.130	9.940	10.035			7.110	7.110	8.952

INITIAL VARIETY TRIAL – BIOFORTIFICATION (IVT-BIOFORT)**Locations: 39****Test Entries: 44****Table: 14**

Checks: IR 64 (Yield), DRR Dhan 45 (Yield & Micronutrient), DRR Dhan 48 (Yield & Nutrient Check), Chittimuthyalu (Micronutrient)

IVT-Biofort trial was conducted with 44 entries along with two yield checks (BPT 5204 & IR 64), Chittimuthyalu as micronutrient check, DRR Dhan 45 and DRR Dhan 48 as both yield and micronutrient check. The biofortification trial was sent to 38 locations across six zones (II, III, IV, V, VI and VII) and data was received from 36 locations. Data from two locations (Waraseoni and Puducherry) was not received. Data was not considered due non-significance from Cuttack, Mugad, Pattambi and Aduturai. Low experimental mean yield was observed in Jeypore, Raipur, Nawagam, and Rudrur.

The content of micronutrients (Iron and Zinc) in polished rice samples of the test entries was estimated by X-ray fluorescence spectrophotometer (XRF) at IIRR, Hyderabad while protein content was analysed at NRRI, Cuttack utilizing the seed samples received from test locations. The data on Iron, Zinc and proteins were furnished in tables 14.4 and 14.5. As the XRF values of Zn analysed at IIRR are 4 ppm lesser than ICP values of zinc, 4 ppm is added uniformly to the Zn content for each of the test entries. Based on the criteria set during 48th ARGM, the entries possessing ≥ 24 ppm Zinc; ≥ 10 ppm protein and ≥ 10 ppm iron in polished rice; and yield on par or more than the best yielding check are eligible for promotion to the next tier of testing. The yield performance of entries with ≤ 100 days flowering duration are compared with IR 64 whereas entries with ≥ 100 days are compared with DRR Dhan 48 for identification of best entries. The superior entries on overall mean and zonal basis are discussed below.

Zones	II	III	IV	V	VI	VII
Zonal mean (Kg/ha)	2508 (Chittimuthyalu (MNC)) - 5566 (IET 33757)	3506 (IET 33742) - 5277 (IET 33759)	2599 (Chittimuthyalu (MNC)) - 5060 (IET 33759)	2959 (IET 33751) - 5660 (IET 33760)	2939 (IET 33761) - 5653 (IET 33759)	3386 (Chittimuthyalu (MNC)) - 5978 (IET 33759)
Exp Mean (Kg/ha)	3435 (Ludhiana) - 5899 (Kota)	3245 (Hatwara) - 5283 (Varanasi)	3374 (Arundhutinagar) - 4990 (Titabar)	3500 (Jabalpur) - 4697 (Sakoli)	4270 (Navasari) - 4495 (Karjat)	3065 (Sirsi) - 6859 (Warangal)
CV%	7.36 (Ludhiana) - 10.54 (Karnal)	6.87 (Bankura) - 15.09 (Hatwara)	5.34 (Arundhutinagar) - 6.25 (Titabar)	11.86 (Jabalpur) - 12.84 (Jagadalpur)	9.18 (Navasari) - 11.65 (Karjat)	7.07 (Mandya) - 15.68 (Rajendranagar)
DFF	84 (IET 33751) - 124 (IET 33745)	89 (IET 33757) - 119 (IET 33754)	90 (IET 33751 & Chittimuthyalu (MNC)) - 104 (IET 33780)	92 (IET 33743) - 127 (IET 33754)	77 (IET 33748) - 119 (IET 33745)	87 (IET 33751) - 121 (33745)

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PH (cm)	83 (IET 33746 & IET 33778) - 139 (Chittimuthyalu (MNC))	85 (IET 33761) - 128 (IET 33742)	93 (IET 33762 & IET 33774) - 147 (Chittimuthyalu (MNC))	62 (IET 33778) -145 (IET Chittimuthyalu (MNC))	91 (IET 33761) - 147 (33742)	74 (33761) - 138 (Chittimuthyalu (MNC))
Pan/m ²	137 (IET 33754) - 354 (IET 33756)	231 (IR 64 (YC)) - 296 (IET 33745)	313 (IET 33741) - 444 (IET IR 64 (YC))	214 (IET 33783) - 318 (IET 33754)	211 (IET 33778) - 349 (33753)	293 (IET 33751) - 358 (IET 33750)
DNI (Data not included)	-	-	-	-	-	-
Locations considered	3	7	2	4	2	9

Performance of entries during Kharif 2025

The performance of test entries in different zones are described in Table.....Several entries are promoted under each zone based on their yield advantage over the best varietal check.

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Promoted
	II	III	IV	V	VI	VII	
33741	5310/114		4299/103	5027/110			II, IV, V
33742			5057/95				IV
33743					4740/78		VI
33744		4848/97				5383/92	III, VII
33746	4811/112		4322/102		5108/96	5820/106	II, IV, VI, VII
33748					5087/77		VI
33749					4977/88		VI
33750		4746/93				5118/89	III, VII
33754				5431/127			V
33755		5007/95		4728/95			III, V
33756					4799/83	5506/89	VI, VII
33757				4804/92			V
33758	5557/106	5155/96	3926/102	5128/101	5395/90	5166/99	II, III, IV, V, VI, VII
33759	4900/109	5277/100	5060/97	5376/105	5653/96	5978/102	II, III, IV, V, VI, VII
33760	5175/106	5061/96		5660/96	4946/88	6198/95	II, III, V, VI, VII
33763	5276/118		4212/101				II, IV
33764	5241/116						II
33765	4741/102	5208/94		4943/96		5465/93	II, III, V, VII
33766		4797/98		4718/94			III, V
33768	5214/114	5006/100	5004/99	5142/105	5508/91	6030/97	II, III, IV, V, VI, VII

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33769				4968/110	5106/99		V, VI
33770	5085/113		5537/96	4894/108	4776/97		II, IV, V, VI
33772		4932/99	4944/96		5805/97	5376/97	II, IV, VI, VII
33773	5496/102						II
33775		4997/96			4900/84		III, VI
33776					4916/90		VI
33777	5266/112			5433/111	5016/99		II, V, VI
33779			4563/101				IV
33780	5186/118		4908/104		5079/96		II, IV, VI
BPT 5204 (YC)	4236/122	4832/108	3456/94	4066/110	4771/102	5513/109	-
IR 64 (YC)	5296/97	4195/94	4495/96	4063/92	3988/84	4815/91	-
DRR Dhan 45 (YMNC)	5464/93	4553/95	5541/92	4280/95	5437/81	5353/89	-
DRR Dhan 48 (YMNC)	5216/112	5098/104	4921/99	3703/104	4515/92	4974/105	-
Chittimuthyalu (MNC)	2508/121	3769/113	2599/90	3117/113	3034/105	3386/105	-
CD	511	441	358	553	736	365	
BPT 5204 + CD	4747	5273	3814	4619	5507	5878	
IR 64 + CD	5807	4853	4853	4616	4724	5180	

Despite several entries being promoted on the basis of grain yield advantage, *only two entries were promoted based on grain and Zinc content and three entries were promoted based on protein content.*

Summary: Entries promoted to AVT 1 based on Zinc content & Grain Yield

Zone	IET Numbers
Z IV	IET 33772
Z VI	IET 33780

Entries promoted to AVT 1 based on Grain Protein content & Grain Yield

Zone	IET Numbers
Z IV	IET 33758, IET 33779, IET 33780

Table No. 14.1: Composition of entries in Initial Variety Trial – Biofortification (IVT – Biofort)

Entry No.	IET No.	Designation	Cross Combination	Grain type
4601	33741	RTN1411-10-3-5-2-2-21	RTNRR-1xHRTMS52	MS
4602	33742	NVSR-1506	NVSR-319XNVSR-2103	SB
4603	33743	NVSR-1550	IET-24333XNVSR-2120	LB
4604	33744	NWGR-22269	IIRON-120XGAR 13/1-1-1-1-4-1	LS
4605	33745	BPT 3469	RP Bio 226/IRGC 23385//Nidhi/MTU 1081	LS
4606	33746	RPCAU BPT 3137	RP Bio 226*1 / IRGC 48493	MS
4607	BPT 5204 (Yield Check)			
4608	33747	NDR 2025-14-CP-12	HKL-147/Pusa Sugandha 5	MS
4609	33748	R-RHP-IC-214	IGKVRI X CGR-52-30	SB
4610	33749	R-RHP-IC-216	IGKVRI X CGR-52-142	SB
4611	33750	R-RHZ-RKC-224	RKVY-211 X Chandahasini-128	MS
4612	33751	R-RHZ-RKC-225	RKVY-211 X Chandahasini-139	LS
4613	33752	CB 22108	Kavuni/Pusa Basmati 370	MS
4614	33753	KR 22012	ADT 45/ Nona Bokra	SB
4615	33754	KR 23001	CR 1009/Nona Bokra	SB
4616	33755	HURS 25-9	Sahbhagidhan/Dudhkander	LS
4617	33756	ORJ 1359	Manaswini/Kalanamak//chiittimutyalu	MB
4618	IR 64 (Yield Check)			
4619	33757	ORJ 1360	Mandakini/Lektimachi	SB
4620	33758	ORJ 1361	MTU 1001/Chittimutyalu	SB
4621	33759	OR ABT 17	IR 85850-AC 157-1 mutant	MS
4622	33760	OR ABT 12	R-RHZ 7/BG 102	MB
4623	33761	CRAC-3998- 129-1	Doubled Haploid of 27P63	MS
4624	33762	CRAC-3998-77-1	Doubled Haploid of 27P63	SS
4625	33763	CR-4201-7-1-B	BPT-5204-Sub-1/CR Dhan 311//Improved Samba Mahsuri	MS
4626	DRR Dhan 45 (Yield & Micro Nutrient Check)			
4627	33764	CR-4200-16-1-B	BPT-5204-Sub-1/ARC-10063//Improved Samba Mahsuri	MS
4628	33765	CR 4513-3-B	CR-2830-PLS-156/Chittimitialu	MB
4629	33766	CR 4228-3-247-1	CR Dhan 310/CGR 1062//CR Dhan 310	LS
4630	33767	CR-4233-3-2-B	CR Dhan 311/ ARB-6027	SB
4631	33768	CR4562-19-17-7-13-7-91-1	CR DHAN304/ JYOTHI	LB
4632	33769	CR4566-26-7-8-34-19-14-7-1	MTU1010/HEERA	MB
4633	33770	CR4616-27-9-7-19-1-3-7-28-9	RPBIO226/IHRY-MS-331	MB
4634	33771	RNR 51638	{{(ISM 390-4 X JGL 13595) X (HMT Sona X BPT Pi1,Pi2)}}	MS
4635	33772	GNV 1908	selection from IR93342:14-B-23-18-5IRGA2RGA-1-B	MS
4636	33773	RP6168-db-SN116	swarna/0.nivara IC336681	LB
4637	DRR Dhan 48 (Yield & Micro Nutrient Check)			
4638	33774	NDR 2025-15-TFR-ICAR-4	Munga mutant	LS
4639	33775	MLD300IR16T1655	IRRI 154/A 69-1//IR12T254	LS
4640	33776	RP 6838-Y1-20	Samba Mahsuri / ir121050-1-8-5//Improved Samba Mahsuri/Karuppunel-6-1	MS

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4641	33777	RP 6731-BCRK-4P-6	RNR 15048//RNR15048/Karuppunel	MS
4642	33778	RP 6615-MK-44-9A-1	MTU1010 / Karuppunel	MB
4643	33779	RP 6198-Y1-950	IR 64 / Chittimuthyalu	LS
4644	33780	RP 6732-IK-12-1-2	Improved Samba Mahsuri / Karuppunel	LS
4645	33781	RP 6777-Y1-1620	BPT5204 / Karuppunel	LS
4646	Chittimuthyalu (Micro Nutrient Check)			
4647	33782	RP 6792-MK-1019	DRR Dhan 45 / Zincorice	MS
4648	33783	RP 6195-Y1-451	MTU1010 / Chittimuthyalu	LS
4649	33784	IR 128342-B-260-1-4-B	IR 128342-B-260-1-4-B	LS

Table No. 14.2: Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						ZONE II -		ZONE III - EASTERN	
		Haryana		Punjab		Rajasthan		NORTHERN (3)		Bihar	
		Karnal		Ludhiana		Kota		Mean		Bikramganj (Dhangain)	
4601	33741	5530	10	5014	1*	5386		5310	7	3738	
4602	33742	4040		2877		5984		4301		2650	
4603	33743	3930		3170		5951		4350		3171	
4604	33744	5165		4074	9	5851		5030		3594	
4605	33745	2240				4122		3181		3773	
4606	33746	4825		3625		5984		4811		3634	
4607	BPT 5204 (YC)	4325		3063		5319		4236		4647	
4608	33747	4765		3340		4289		4131		4411	
4609	33748	4875		4017		6582		5158		4375	
4610	33749	4715		2885		6184		4594		4334	
4611	33750	4990		4323	4	5785		5033		4358	
4612	33751	2600		1474		4887		2987		2986	
4613	33752	4245		1980		5652		3959		3403	
4614	33753	3520				4056		3788		4366	
4615	33754					4023		4023		4988	5
4616	33755	5575	9	3305		6516		5132		5515	1
4617	33756	6605	1	3397		6616	8	5539	3	4602	
4618	IR 64 (YC)	5660	6	3511		6715	1	5296	8	4322	
4619	33757	6050	4	4067	10	6582	10	5566	1	4387	
4620	33758	5610	8	4744	2*	6316		5557	2	4743	10
4621	33759	4325		3860		6516		4900		4225	
4622	33760	5950	5	3191		6383		5175		4988	5
4623	33761	4560		2272		5851		4228		3339	
4624	33762	4265		1916		4029		3403		2582	
4625	33763	5635	7	3711		6483		5276	9	5003	4
4626	DRR Dhan 45 (YMNC)	6345	2	3397		6649	4	5464	5	5012	3
4627	33764	5225		3868		6629	6	5241		4178	
4628	33765	4230		3476		6516		4741		4803	9
4629	33766	4515		3939		6283		4912		3929	
4630	33767	4585		4209	5	6609	9	5134		3843	
4631	33768	5205		4152	7	6283		5214		4390	
4632	33769	5330		2806		4588		4241		3247	
4633	33770	5240		3533		6483		5085		4201	
4634	33771	4745		3141		5984		4623		4630	
4635	33772	4465		2977		6582		4675		4485	
4636	33773	6065	3	3739		6682	2	5496	4	4595	
4637	DRR Dhan 48 (YMNC)	5155		4110	8	6383		5216		5012	2
4638	33774	4265		3027		5053		4115		4578	
4639	33775	4970		4174	6	6649	4	5264		4574	
4640	33776	5220		3226		6449		4965		4628	
4641	33777	4215				6316		5266	10	4541	
4642	33778	4390		3177		6682	2	4750		4160	
4643	33779	4135		2735		6150		4340		3877	
4644	33780	4515		4594	3	6449		5186		4350	
4645	33781	4675		3198		5991		4621		3943	
4646	Chittimuthyalu (MNC)	960				4056		2508		4820	8
4647	33782	3925		2678		5153		3919		4105	
4648	33783	4220		3184		5751		4385		4340	
4649	33784	5355		3974		6616	7	5315	6	4826	7
Experimental Mean		4707		3435		5899		4687		4229	
CD(0.05)		998		510		1044		511		1079	
CV(%)		10.54		7.36		8.81		5.42		12.69	
F val		8.26**		17.04**		5.32**		15.41**		2.79**	
DOS		19-06-2025		20-06-2025		30-06-2025				30-06-2025	
DOP		27-07-2025		20-07-2025		29-07-2025				25-07-2025	
Local Check Name		CSR 101								R. Kasturi	
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check											

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									
		Odisha		Uttar Pradesh			Uttar Pradesh (2)		West Bengal		
		Chiplima		Masodha		Varanasi	Mean		Hatwara		Bankura
4601	33741	2859		4688		5685	5186		3976	9	4042
4602	33742			4721		2326	3524		3192		3833
4603	33743	3324		4787		5068	4927		3592		6925 4
4604	33744	4588	1	5253		5656	5455		3855	10	6683 8
4605	33745	4322							3420		4417
4606	33746	4455	4	5253		5608	5430		4439	4	6975 3
4607	BPT 5204 (YC)	3790		4920		5058	4989		3379		6250
4608	33747	4388		4521		5598	5060		3767		4892
4609	33748	3358		4628		3977	4302		2130		6217
4610	33749	4422	9	4654		2732	3693		2336		4458
4611	33750	3191		4322		5849	5086		4185	7	6125
4612	33751			4229		3349	3789		558		6192
4613	33752	4388		5618	4	4334	4976		2386		6083
4614	33753			5120		6419	7	5769 9	1763		3833
4615	33754								2120		6808 5
4616	33755	4056		4721		7143 2*	5932 2		3392		5625
4617	33756	2992		5785	1	4720	5252		3848		4450
4618	IR 64 (YC)	3557		4255		4440	4348		2631		4492
4619	33757	3324		4688		3050	3869		4003	8	6750 7
4620	33758	4588	1	5120		6641 6	5880 5		3796		5725
4621	33759	4322		4255		7307 1*	5781 8		4439	4	6467
4622	33760	4455	4	5519	6	7043 3*	6281 1*		3783		3083
4623	33761	3790		4488		3900	4194		2408		5342
4624	33762	4388		5186		4778	4982		2160		5458
4625	33763	3358		5319	9	5801	5560		2692		5250
4626	DRR Dhan 45 (YMNC)	4422	9	4754		5589	5171		3826		3050
4627	33764	3191		5120		5637	5378		2482		6300
4628	33765	4322		4987		6284 8	5635		4324	6	6650 9
4629	33766	4455	4	5219		5811	5515		3083		6500 10
4630	33767	3790		5352	8	5357	5355		3711		4617
4631	33768	4388		5559	5	6100	5829	6	4701	1	3467
4632	33769	4056		4787		6844 4*	5815	7	3454		4233
4633	33770	2992		5279	10	6149	5714	10	4534	3	7008 1*
4634	33771	3557		5698	2	6158	5928	3	3547		4750
4635	33772	3324		4056		5753	4904		4605	2	6775 6
4636	33773	3324		4495		5753	5124		3768		4542
4637	DRR Dhan 48 (YMNC)	4588	1	5199		5917	5558		3483		5383
4638	33774	4322		4189		4875	4532		2860		5300
4639	33775	4455	4	4860		5550	5205		2895		6250
4640	33776	4422		5419	7	4836	5127		3004		3567
4641	33777	3191		4887		5212	5050		3820		6983 2*
4642	33778	4422		4355		3427	3891		3135		3758
4643	33779	3191		5652	3	4768	5210		2770		3750
4644	33780	4322		5193		6651 5	5922	4	3535		4042
4645	33781	4455	4	4920		4498	4709		2380		4575
4646	Chittimuthyalu (MNC)	4056		4156			4156		1528		3767
4647	33782	2992		5086		4909	4998		2867		4483
4648	33783	3557		4967		5782	5374		2683		5633
4649	33784	3324				4691	4691		3739		5325
Experimental Mean		3890		4918		5283	5086		3245		5247
CD(0.05)		1061		917		898	702		984		725
CV(%)		13.53		9.26		8.44	6.86		15.09		6.87
F val		2.32**		2.01*		13.22**	7.36**		6.34**		21.78**
DOS		14-07-2025		27-06-2025		30-06-2025			14-07-2025		25-07-2025
DOP		18-08-2025		04-08-2025		30-07-2025			12-08-2025		27-08-2025
Local Check Name		Geethanjali									Vutmuri
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check											

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (7)		ZONE IV - NORTH EASTERN			
		West Bengal		West Bengal (3)		Mean		Assam		Tripura	
		chinsurah		Mean		Mean		Titabar		Arundhutinagar	
4601	33741	5134		4384		4303		5519		3079	
4602	33742	4316		3780		3506		6719	4	3395	
4603	33743	4108		4875		4425		5085		3763	7
4604	33744	4306		4948		4848		2675		3347	
4605	33745	4690		4176		4124		3760		2974	
4606	33746	4925		5447	4	5041	7	5460		3184	
4607	BPT 5204 (YC)	5780	7	5136	10	4832		3334		3579	
4608	33747	4530		4396		4587		4698		3263	
4609	33748	5123		4490		4258		4371		2937	
4610	33749	4209		3668		3878		6265	9	3158	
4611	33750	5192		5167	9	4746		5894		3342	
4612	33751	5379		4043		3782		1373		4263	1
4613	33752	5491		4654		4529		1933		3511	
4614	33753	4375		3324		4313		5657		3474	
4615	33754	4359		4429		4569		5184		3158	
4616	33755	4599		4539		5007	8	5302		3579	
4617	33756	4274		4190		4381		4943		3658	9
4618	IR 64 (YC)	5668	8	4263		4195		4754		4237	2
4619	33757	5150		5301	7	4479		4715		3400	
4620	33758	5475		4999		5155	3	4036		3816	5
4621	33759	5924	6	5610	2	5277	1	6699	5	3421	
4622	33760	6554	2	4473		5061	5	6064		3368	
4623	33761	5369		4373		4091		3811		3237	
4624	33762	4407		4008		4137		4565		2711	
4625	33763	4696		4213		4588		5346		3079	
4626	DRR Dhan 45 (YMNC)	5219		4032		4553		7903	2	3179	
4627	33764	5053		4612		4566				3184	
4628	33765	5085		5353	5	5208	2	6087	10	3079	
4629	33766	4578		4720		4797		4655		3474	
4630	33767	5636	9	4654		4615		5571		3789	6
4631	33768	6437	3	4868		5006	9	6956	3	3053	
4632	33769	4183		3957		4400		5997		3332	
4633	33770	5155		5566	3	5046	6	8100	1	2974	
4634	33771	4428		4242		4681		5401		3421	
4635	33772	5529	10	5636	1	4932		5677		4211	3
4636	33773	5096		4469		4510		5425		3368	
4637	DRR Dhan 48 (YMNC)	6106	5	4991		5098	4	6316	6	3526	
4638	33774	4460		4207		4369		2458		3295	
4639	33775	6394	4	5180	8	4997	10	5756		3500	
4640	33776	5123		3898		4428		5914		3711	8
4641	33777	5160		5321	6	4828		5066		4132	4
4642	33778	4412		3769		3953		2624		3368	
4643	33779	4236		3586		4035		5468		3658	9
4644	33780	6768	1	4782		4980		6289	8	3526	
4645	33781	4599		3851		4196		4423		3211	
4646	Chittimuthyalu (MNC)	4290		3195		3769		2039		3158	
4647	33782	4829		4060		4182		3259		2526	
4648	33783	4637		4318		4514		6313	7	2795	
4649	33784	4450		4504		4392		3665		2947	
Experimental Mean		5018		4503		4534		4990		3374	
CD(0.05)		1110		564		441		627		362	
CV(%)		11		6.23		4.83		6.25		5.34	
F val		3.07**		9.12**		7.24**		45.58**		8.55**	
DOS		23-06-2025						30-06-2025		21-08-2025	
DOP		14-08-2025						27-07-2025		08-09-2025	
Local Check Name										CSR 311	
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check											

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN (2)		ZONE V - CENTRAL							
				Chhattisgarh		Maharashtra			Maharashtra (2)		
		Mean		Jagadalpur		Sakoli		Sindewahi		Mean	
4601	33741	4299		6006	5*	5300		3750		4525	
4602	33742	5057	4	3888		5800	9	4006		4903	
4603	33743	4424		4588		4250		3636		3943	
4604	33744	3011		5000		4450		3531		3990	
4605	33745	3367		4388		3800		4661	10	4230	
4606	33746	4322		4975		5950	6	4626		5288	8*
4607	BPT 5204 (YC)	3456		4544		4300		4695	9	4497	
4608	33747	3981		3869		4850		3675		4263	
4609	33748	3654		5162		4900		4516		4708	
4610	33749	4712		4125		4750		3786		4268	
4611	33750	4618		4491		5175		4585		4880	
4612	33751	2818		3888		2175		3445		2810	
4613	33752	2722		3578		2600		3545		3073	
4614	33753	4565		4312		4850		4830	7	4840	
4615	33754	4171		6709	3*	5100		7855	1*	6478	1*
4616	33755	4440		5450	9	5550		4520		5035	
4617	33756	4301		4778		5600	10	3810		4705	
4618	IR 64 (YC)	4495		4416		4450		4130		4290	
4619	33757	4057		5081		6400	2	3480		4940	
4620	33758	3926		5012		6200	4	4645		5422	5*
4621	33759	5060	3	6750	2*	4650		5850	3*	5250	10
4622	33760	4716	10	7131	1*	6550	1*	4305		5428	4*
4623	33761	3524		4200		4200		3511		3855	
4624	33762	3638		4484		4450		3661		4055	
4625	33763	4212		3606		6400	2	4131		5265	9
4626	DRR Dhan 45 (YMNC)	5541	1	4400		5300		3631		4465	
4627	33764	3184		4019		4850		4776	8	4813	
4628	33765	4583		5194		6150	5	4506		5328	7*
4629	33766	4064		5462	8	5350		4070		4710	
4630	33767	4680		5131		5100		4365		4733	
4631	33768	5004	5	6053	4*	5900	8	6090	2*	5995	2*
4632	33769	4664		5784	6*	5400		4831	6	5115	
4633	33770	5537	2	5234	10	5950	6	5001	5	5475	3*
4634	33771	4411		4744		4500		3816		4158	
4635	33772	4944	6	5091		4700		3450		4075	
4636	33773	4397		4331		5600		3496		4548	
4637	DRR Dhan 48 (YMNC)	4921	7	3988		3550		4350		3950	
4638	33774	2876		3428		3050		4146		3598	
4639	33775	4628		3553		5000		3721		4360	
4640	33776	4812	9	4134		3900		3521		3710	
4641	33777	4599		5741	7	5500		5240	4	5370	6*
4642	33778	2996		3791		4000		3795		3898	
4643	33779	4563		4153		3350		3480		3415	
4644	33780	4908	8	4841		3750		4596		4173	
4645	33781	3817		3872		2700		3690		3195	
4646	Chittimuthyalu (MNC)	2599		4025		2700		3680		3190	
4647	33782	2892		4075		4350		3435		3893	
4648	33783	4554		4212		3350		3701		3526	
4649	33784	3306		4372		3450		4100		3775	
Experimental Mean		4164		4695		4697		4218		4457	
CD(0.05)		358		1212		1181		1045		781	
CV(%)		4.28		12.84		12.5		12.33		8.71	
F val		35.98**		4.08**		6.83**		4.96**		7.95**	
DOS				18-06-2025		23-06-2025		17-06-2025			
DOP				18-07-2025		19-07-2025		18-07-2025			
Local Check Name											
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check											

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL		ZONE V - CENTRAL (4)		ZONE VI - WESTERN				ZONE VI - WESTERN (2)	
		Madhya Pradesh				Gujarat		Maharashtra			
		Jabalpur		Mean		Navasari		Karjat		Mean	
4601	33741	5053	2*	5027	7*	5294	8	2636		3965	
4602	33742	3989	10	4421		4442		3690		4066	
4603	33743	3590		4016		4700		4781		4740	
4604	33744	3191		4043		4289		4322		4305	
4605	33745	2992		3960		2678		5676	6	4177	
4606	33746	2793		4586		5472	3	4745		5108	6
4607	BPT 5204 (YC)	2726		4066		4136		5406		4771	
4608	33747	3125		3880		4314		5033		4673	
4609	33748	3391		4492		4712		5461		5087	8
4610	33749	3059		3930		5319	7	4636		4977	
4611	33750	3191		4361		4589		2449		3519	
4612	33751	2327		2959		3842		2791		3316	
4613	33752	2128		2963		3064		3178		3121	
4614	33753	2793		4196				4440		4440	
4615	33754	2061		5431	3*	2800		6472	1	4636	
4616	33755	3391		4728		4859		3656		4258	
4617	33756	2859		4262		5233	9	4365		4799	
4618	IR 64 (YC)	3258		4063		3879		4097		3988	
4619	33757	4255	8	4804		5466	4	3848		4657	
4620	33758	4654	3*	5128	6*	5460	5	5330		5395	5
4621	33759	4255	8	5376	4*	5165	10	6141	3	5653	2
4622	33760	4654	3*	5660	1*	5098		4794		4946	
4623	33761	3524		3859		2812		3065		2939	
4624	33762	3790		4096		3229		4295		3762	
4625	33763	3590		4432		3517		4283		3900	
4626	DRR Dhan 45 (YMNC)	3790		4280		4975		5899	5	5437	4
4627	33764	3723		4342		3192		5077		4135	
4628	33765	3923		4943	9*	4589		4099		4344	
4629	33766	3989		4718		3915		2809		3362	
4630	33767	3191		4447		3756		5496	10	4626	
4631	33768	2527		5142	5*	6170	1*	4845		5508	3
4632	33769	3856		4968	8*	4645		5567	7	5106	7
4633	33770	3391		4894	10*	4571		4980		4776	
4634	33771	4322	7	4345		4038		4040		4039	
4635	33772	3524		4191		5545	2	6065	4	5805	1
4636	33773	3324		4188		5423	6	3939		4681	
4637	DRR Dhan 48 (YMNC)	2926		3703		4786		4244		4515	
4638	33774	3989		3653		2953		3984		3469	
4639	33775	3989		4066		4436		5363		4900	
4640	33776	3923		3869		4289		5534	8	4912	
4641	33777	5253	1*	5433	2*	4516		5516	9	5016	10
4642	33778	4388	6	3994		2917		3048		2982	
4643	33779	4455	5	3860		3321		4016		3669	
4644	33780	3590		4194		3854		6304	2	5079	9
4645	33781	2926		3297		3523		5211		4367	
4646	Chittimuthyalu (MNC)	2061		3117		2812		3255		3034	
4647	33782	3191		3763		3989		3813		3901	
4648	33783	3191		3614		4203		2860		3532	
4649	33784	3391		3828		4179		4688		4433	
Experimental Mean		3500		4277		4270		4495		4384	
CD(0.05)		835		553		789		1053		736	
CV(%)		11.86		6.43		9.18		11.65		8.34	
F val		6.18**		10.32**		10.17**		7.93**		7.99**	
DOS		19-06-2025				29-07-2025		20-06-2025			
DOP		12-07-2025				18-08-2025		14-07-2025			
Local Check Name		JR 206									
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check											

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Andhra Pradesh		Karnataka				Karnataka (3)		Kerala	
		Maruteru		Gangavati		Sirsi		Mandya		Mean	Monocompu
4601	33741	5266		7077		5217	1*	5863	1*	6052	2*
4602	33742	4456		4468		1317		4314		3366	
4603	33743	4167		6519		3000		5093	8*	4871	
4604	33744	4109		7378		3400		3887		4888	7
4605	33745	3125		5423		2967		1681		3357	
4606	33746	7176	1*	7244		2150		4387		4594	
4607	BPT 5204 (YC)	5093		6308		3083		3917		4436	
4608	33747	5150		4571		3883	10	4799		4418	
4609	33748	4572		7449		4167	6	5828	3*	5815	6*
4610	33749	4514		6692		1350		3809		3950	
4611	33750	5671		6340		4033	8	3971		4781	
4612	33751	2315		3660		1617		3132		2803	
4613	33752	3414		5686		1617		2113		3138	
4614	33753	2894				3483		3255		3369	
4615	33754	6076	8	5667		3200		2353		3740	5
4616	33755	5729		8308	5	3383		5064	10	5585	7
4617	33756	5498		8923	2*	4017	9	5093	8*	6011	3*
4618	IR 64 (YC)	5150		6968		3250		4485		4901	
4619	33757	4109		8096	7	2717		5000		5271	
4620	33758	4282		6795		3733		4235		4921	
4621	33759	5671		8135	6	4417	2	5838	2*	6130	1*
4622	33760	6887	2	8667	3*	3133		5652	5*	5817	5*
4623	33761	6366	4	4327		1533		2270		2710	
4624	33762	3762		4615		2117		4093		3608	
4625	33763	4688		5974		2950		3892		4272	
4626	DRR Dhan 45 (YMNC)	5093		7397		3717		4456		5190	
4627	33764	4514		7045		3150		3157		4451	
4628	33765	4919		7551		3267		5275	6*	5364	10
4629	33766	3762		8000	8	3400		5157	7*	5519	8
4630	33767	5150		6404		3100		4745		4750	
4631	33768	6192	6	8667	3*	4208	5	3069		5315	
4632	33769	3183		5744		4267	4	3608		4539	
4633	33770	5498		7026		4417	2	4809		5417	9
4634	33771	4688		7603	9	2250		4186		4680	
4635	33772	5787	10	9006	1*	3200		5716	4*	5974	4*
4636	33773	4745		6167		2250		4990		4469	
4637	DRR Dhan 48 (YMNC)	6134	7	6423		2500		3931		4285	
4638	33774	3993		4923		3583		2730		3746	
4639	33775	5961	9	6186		3400		4240		4609	
4640	33776	6887	2	6026		2683		3623		4111	
4641	33777	3183		6365		2767		4672		4601	
4642	33778	3993		6590		1167		2990		3582	
4643	33779	3530		6359		2983		2598		3980	
4644	33780	5093		6827		3367		2892		4362	
4645	33781	6250	5	6051		3433		3078		4188	
4646	Chittimuthyalu (MNC)	3299		3917		2583		3466		3322	
4647	33782	4225		4628		1283		3441		3118	
4648	33783	3819		7577	10	3400		4078		5018	
4649	33784	4051		6929		4083	7	4779		5264	
Experimental Mean		4777		6556		3065		4076		4544	
CD(0.05)		1010		1178		783		579		499	
CV(%)		10.51		8.93		12.71		7.07		5.46	
F val		10.19**		10.07**		11.35**		26.6**		26.38**	
DOS		06-07-2025		04-07-2025		26-06-2025		24-07-2025			18-07-2025
DOP		04-08-2025		29-07-2025		23-07-2025		21-08-2025			06-08-2025
Local Check Name				Spoorthi							
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check											

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						
		Puducherry		Telangana			Telangana (2)	
		Karaikal		Warangal		Rajendranagar	Mean	
4601	33741	6783	7	6982		3583	5283	
4602	33742	6050		5958		2698	4328	
4603	33743	5733		6923		4659	5791	
4604	33744	6800	6	7601		5377	6489	10
4605	33745	6600		6518		2064	4291	
4606	33746	6817	4	7607		5397	6502	9
4607	BPT 5204 (YC)	6500		7792	8	5317	6555	7
4608	33747	6000		7077		4123	5600	
4609	33748	2533		7054		2968	5011	
4610	33749	2067		6536		4603	5569	
4611	33750	6317		7726	10	3532	5629	
4612	33751	5400		2048		3135	2591	
4613	33752	5983		6089		3933	5011	
4614	33753	2500		4417		6119	5268	
4615	33754	6300		7351		5056	6203	
4616	33755	2850		8363	3	4234	6299	
4617	33756	6283		7321		5075	6198	
4618	IR 64 (YC)	5400		7804	7	4413	6108	
4619	33757	5533		8083	4	4790	6437	
4620	33758	5800		6952		6464	6708	4
4621	33759	6517		6667		6960	6813	3
4622	33760	6817	4	8452	2	6381	7417	1
4623	33761	6300		6530		3574	5052	
4624	33762	5583		7351		4857	6104	
4625	33763	6767	9	6292		5544	5918	
4626	DRR Dhan 45 (YMNC)	6617		7750	9	5615	6683	5
4627	33764	7133	1	6726		4651	5688	
4628	33765	6400		7988	5	5345	6667	6
4629	33766	5950		6548		3865	5206	
4630	33767	7133	2	6232		5167	5699	
4631	33768	6717	10	8524	1	6187	7355	2
4632	33769	6633		7679		4615	6147	
4633	33770	6783	7	7339		5694	6517	8
4634	33771	6350		7839	6	2222	5031	
4635	33772	5550		6893		3556	5224	
4636	33773	5733		7470		3183	5326	
4637	DRR Dhan 48 (YMNC)	5600		6923		4583	5753	
4638	33774	6067		5708		3524	4616	
4639	33775	6983	3	5786		4726	5256	
4640	33776	5817		6155		5464	5810	
4641	33777	2233		7518		4964	6241	
4642	33778	5917		6464		2802	4633	
4643	33779	6700		6762		5302	6032	
4644	33780	5800		7554		5171	6362	
4645	33781	5500		6161		2821	4491	
4646	Chittimuthyalu (MNC)	4100		6417		2163	4290	
4647	33782	6150		5024		2198	3611	
4648	33783	5567		6661		3262	4961	
4649	33784	5883		6494		2421	4457	
Experimental Mean		5787		6859		4375	5617	
CD(0.05)		930		1307		1380	914	
CV(%)		7.99		9.48		15.68	8.09	
F val		15.21**		5.7**		6.78**	8.84**	
DOS		03-09-2025		05-07-2025		24-06-2025		
DOP		13-10-2025		11-08-2025		23-07-2025		
Local Check Name		BPT 5204 & IR 64		RNR 15459		RNR 15459		
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check								

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN		ZONE VII - SOUTHERN (9)		Maharashtra (3)	
		Tamil Nadu		SOUTHERN (9)		(3)	
		Coimbatore		Mean		Mean	
4601	33741	5095	7	5639	6	3895	
4602	33742	3549		4089		4499	
4603	33743	2857		4675		4222	
4604	33744	4297		5383	10	4101	
4605	33745	3638		4095		4712	
4606	33746	5692	1	5820	4	5107	9
4607	BPT 5204 (YC)	5251	6	5513	7	4800	
4608	33747	3398		4867		4519	
4609	33748	3415		4704		4959	
4610	33749	3354		3971		4390	
4611	33750	4475		5118		4070	
4612	33751	3460		3090		2804	
4613	33752	3270		3823		3108	
4614	33753	3404		3430		4707	
4615	33754	3672		5051		6476	1*
4616	33755	4202		4936		4575	
4617	33756	3750		5506	8	4592	
4618	IR 64 (YC)	3304		4815		4226	
4619	33757	3895		5033		4576	
4620	33758	3912		5166		5392	5
4621	33759	4230		5978	3*	5547	3*
4622	33760	5407	3	6198	1*	5216	8
4623	33761	3387		4381		3592	
4624	33762	3577		4493		4135	
4625	33763	3298		4821		4938	
4626	DRR Dhan 45 (YMNC)	4386		5353		4943	
4627	33764	3376		4900		4901	
4628	33765	4169		5465	9	4918	
4629	33766	4163		4983		4077	
4630	33767	4230		5015		4987	10
4631	33768	4648		6030	2*	5612	2*
4632	33769	5446	2	5187		5266	7
4633	33770	3856		5687	5	5310	6
4634	33771	3398		4648		4119	
4635	33772	5017	8	5376		4738	
4636	33773	3404		4739		4345	
4637	DRR Dhan 48 (YMNC)	3962		4974		4048	
4638	33774	3131		3957		3727	
4639	33775	3354		4870		4695	
4640	33776	3382		4870		4318	
4641	33777	5402	4	4654		5419	4
4642	33778	5363	5	4420		3614	
4643	33779	4062		4436		3615	
4644	33780	4799	9	5291		4883	
4645	33781	3599		4530		3867	
4646	Chittimuthyalu (MNC)	3477		3386		3212	
4647	33782	2751		3568		3866	
4648	33783	3242		4633		3304	
4649	33784	4754	10	4932		4079	
Experimental Mean		3983		4827		4470	
CD(0.05)		822		365		582	
CV(%)		10.26		3.76		6.48	
F val		6.92**		29.19**		12.44**	
DOS		19-06-2025					
DOP		17-07-2025					
Local Check Name							
*YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check							

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN				ZONE V - CENTRAL		ZONE VI - WESTERN	
		Odisha				Chhattisgarh		Gujarat	
		@Cuttack		@Jeypore		@Raipur		@Nawagam	
4601	33741	4586		2042		1352		1951	
4602	33742	3977		2440		858		614	
4603	33743	4259		2411		1663		1272	
4604	33744	4339		2583		3730	9	2123	
4605	33745	5044	1	1994		983		1673	
4606	33746	4665	7	2054		4139	3	3029	5
4607	BPT 5204 (YC)	4383		1667		3394		1759	
4608	33747	4153		3348	9	1182		1548	
4609	33748	4453		2077		2519		1720	
4610	33749	3801		2440		1199		1960	
4611	33750	4868	3	2351		2291		2033	
4612	33751	4268		2083		1138		1839	
4613	33752	4303		2574		1444		1224	
4614	33753	3977		1637		1620		1841	
4615	33754	4471		2024		322		1144	
4616	33755	4480		2039		3504	10	1964	
4617	33756	4841	4	3039		3205		2682	8
4618	IR 64 (YC)	4224		3554	6	2618		3114	4
4619	33757	4832	5	1905		2790		2897	7
4620	33758	4489		2619		3102		1501	
4621	33759	4109		2753		3981	4	3512	1
4622	33760	4418		4241	3	4644	2	2275	
4623	33761	4259		1804		3072		1687	
4624	33762	4180		1854		2924		1667	
4625	33763	4171		4759	2	3091		2086	
4626	DRR Dhan 45 (YMNC)	4409		2923		3969	5	2528	9
4627	33764	4224		2893		3254		2438	
4628	33765	4295		4908	1	3371		2321	
4629	33766	4436		3792	5	3159		1892	
4630	33767	4233		2530		2305		1615	
4631	33768	4753	6	2845		4703	1	1831	
4632	33769	4568		2455		2131		1724	
4633	33770	4268		3509	7	3906	7	2952	6
4634	33771	4612		2542		2698		2313	
4635	33772	3959		1649		3213		3321	2
4636	33773	4233		2762		2473		2381	
4637	DRR Dhan 48 (YMNC)	4568		3042	10	3882	8	1753	
4638	33774	4903	2	2491		2641		1151	
4639	33775	4400		2199		3005		2381	
4640	33776	4630	9	1604		2565		2302	
4641	33777	4630	9	1830		1400		2440	10
4642	33778	4347		1628		3354		2083	
4643	33779	3959		2756		2251		1882	
4644	33780	4665	7	2625		3940	6	3147	3
4645	33781	4224		2268		2632		2169	
4646	Chittimuthyalu (MNC)	4577		1708		293		2077	
4647	33782	4577		4185	4	1542		1713	
4648	33783	4524		2670		2881		1549	
4649	33784	4559		3411	8	2600		2427	
Experimental Mean		4410		2602		2631		2072	
CD(0.05)		728		1003		983		549	
CV(%)		8.21		19.17		18.57		13.18	
F val		1.11ns		5.12**		9.84**		9.64**	
DOS				03-07-2025		21-06-2025		27-06-2025	
DOP				07-08-2025		14-07-2025		08-08-2025	
Local Check Name		CR Dhan 315							
YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check									

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Table No. 14.2 (Contd.): Grain Yield (kg/ha) in IVT – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VII - SOUTHERN							
		Karnataka		Kerala		Telangana		Tamil Nadu	
		@Mugad		@Pattambi		@Rudrur		@Aduturai	
4601	33741	4714	7	4632		3611	10	6203	
4602	33742	4139		4737	8	1833		4747	
4603	33743	4420		4768	6	3111		5570	
4604	33744	4427		4584		2778		6835	9
4605	33745	4862	2	5305	1	3222		6962	8
4606	33746	4436		4779	5	4667	3	7310	2
4607	BPT 5204 (YC)	4349		4800	3	3667	9	7437	1
4608	33747	4720	5	4324		2000		4747	
4609	33748	4332		3888		2944		5696	
4610	33749	4161		4309		1444		6519	
4611	33750	4757	3	4094		3500		7057	5
4612	33751	4061		3578		1222		7152	4
4613	33752	4489		4003		2833		6709	10
4614	33753	4091		4044		2722		6392	
4615	33754	4285		4095		2500		6361	
4616	33755	4214		4549		3444		4778	
4617	33756	4374		4584		4111	4	4684	
4618	IR 64 (YC)	4195		4788	4	3944	6	5190	
4619	33757	4686	8	4727	9	3944	6	4557	
4620	33758	4115		4593		2833		6013	
4621	33759	4614	10	4644	10	2444		6456	
4622	33760	4078		4751	7	5389	2	4684	
4623	33761	4426		4622		2000		4114	
4624	33762	4504		3890		2778		5633	
4625	33763	4379		3904		3222		4937	
4626	DRR Dhan 45 (YMNC)	4175		3548		2000		4430	
4627	33764	4032		3995		1778		4557	
4628	33765	4222		4429		3778	8	4620	
4629	33766	4230		4230		2111		6646	
4630	33767	4417		4414		2444		5063	
4631	33768	4714	6	3924		6833	1	5823	
4632	33769	5506	1	4104		1444		7215	3
4633	33770	4358		4107		4111	4	5253	
4634	33771	4292		3603		2833		4937	
4635	33772	4013		4166		2056		4937	
4636	33773	4336		3986		2111		4620	
4637	DRR Dhan 48 (YMNC)	4466		3928		1333		5380	
4638	33774	4514		3885		1278		4430	
4639	33775	4140		4043		1444		5380	
4640	33776	4469		3970		1167		7057	6
4641	33777	4140		4068		2000		3608	
4642	33778	4181		3678		1500		3987	
4643	33779	4429		4076		1389		4747	
4644	33780	4617	9	4204		1778		7025	7
4645	33781	4482		4998	2	1889		6519	
4646	Chittimuthyalu (MNC)	4734	4	4220		1167		4747	
4647	33782	4240		4294		2333		4430	
4648	33783	4456		3870		2000		5253	
4649	33784	4451		4376		2389		5823	
Experimental Mean		4397		4267		2639		5576	
CD(0.05)		1406		1452		137		2423	
CV(%)		15.91		16.92		2.57		21.61	
F val		0.29ns		0.6ns		593.36**		1.49ns	
DOS		15-07-2025				18-06-2025			
DOP		08-08-2025				17-07-2025			
Local Check Name		Kagisali				RNR 15459			
YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check									

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Table No. 14.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN									ZONE II - NORTHERN (3)			ZONE III - EASTERN		
		Haryana			Punjab			Rajasthan			Mean			Bihar		
		Karnal			Ludhiana			Kota						Bikramganj (Dhangain)		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4601	33741	104	103	376	124	120	218	114	111	248	114	111	280	101	120	232
4602	33742	108	118	362	120	128	204	99	106	232	109	117	266	93	146	220
4603	33743	90	108	341	100	106	204	96	112	264	95	108	270	87	126	216
4604	33744	99	88	344	104	92	274	92	86	261	98	89	293	85	106	228
4605	33745	117	104	178				132	83	144	124	93	160	90	114	242
4606	33746	106	83	355	116	85	244	114	82	280	112	83	293	101	110	202
4607	BPT 5204 (YC)	108	74	350	126	82	294	132	98	244	122	85	296	114	91	300
4608	33747	72	100	314	98	94	260	91	79	152	87	91	242	87	106	279
4609	33748	78	99	412	97	104	248	83	81	304	86	95	321	81	101	270
4610	33749	104	122	394	117	128	162	94	98	277	105	116	277	92	151	240
4611	33750	87	101	387	97	102	224	84	102	252	90	102	288	91	104	234
4612	33751	68	124	264	102	139	224	81	94	221	84	119	237	79	150	255
4613	33752	100	107	294	102	122	198	96	92	259	100	107	250	93	121	214
4614	33753	101	101	332				98	89	150	100	95	241	113	110	204
4615	33754							134	94	137	134	94	137	138	108	240
4616	33755	94	104	468	98	114	165	88	100	302	93	106	312	87	127	220
4617	33756	84	109	517	100	109	228	92	108	316	92	109	354	84	122	262
4618	IR 64 (YC)	94	91	471	104	91	242	93	85	320	97	89	344	85	114	287
4619	33757	98	106	483	96	116	188	94	100	306	96	107	326	87	108	302
4620	33758	109	95	472	110	98	268	100	86	286	106	93	342	93	134	231
4621	33759	104	102	359	112	108	272	110	108	305	109	106	312	101	123	276
4622	33760	107	101	464	106	101	155	104	102	272	106	101	297	90	123	320
4623	33761	107	69	455	106	75	211	110	79	274	108	74	313	94	88	256
4624	33762	114	87	409	121	85	264	114	81	143	116	84	272	95	98	264
4625	33763	108	80	438	122	88	244	124	86	292	118	85	324	98	106	282
4626	DRR Dhan 45 (YMNC)	87	106	546	102	114	212	88	92	310	93	104	356	81	110	269
4627	33764	107	82	409	119	90	290	122	92	308	116	88	336	100	117	282
4628	33765	102	105	432	112	118	224	92	101	299	102	108	318	87	124	216
4629	33766	92	112	353	104	116	272	88	108	274	95	112	299	83	111	288
4630	33767	92	106	434	99	111	224	88	89	307	93	102	322	82	175	268
4631	33768	105	99	436	122	110	192	114	106	264	114	105	297	93	135	247
4632	33769	106	96	420	120	108	211	120	113	210	116	106	280	95	104	250
4633	33770	110	91	441	113	96	185	116	94	300	113	94	308	94	102	271
4634	33771	108	91	308	107	96	254	110	83	294	108	90	285	95	97	228
4635	33772	111	105	377	104	122	172	108	88	312	108	105	287	94	108	305
4636	33773	104	113	452	106	119	250	98	106	315	102	113	339	91	122	219
4637	DRR Dhan 48 (YMNC)	110	100	425	112	94	238	114	102	291	112	99	318	94	125	218
4638	33774	94	90	304	102	96	192	96	102	225	98	96	240	93	100	234
4639	33775	92	107	372	108	100	248	97	72	318	99	93	312	91	121	249
4640	33776	100	98	470	100	107	238	95	96	283	99	101	330	91	153	236
4641	33777	110	97	367				114	82	284	112	90	325	114	120	254
4642	33778	96	82	378	96	80	290	83	86	320	92	83	330	91	109	272
4643	33779	108	102	354	106	112	136	97	104	266	104	106	252	93	114	281
4644	33780	114	89	368	118	102	228	122	94	287	118	95	294	101	120	296
4645	33781	106	97	437	116	110	165	98	101	251	107	103	284	94	116	226
4646	Chittimuthyalu (MNC)	118	115	198				124	162	148	121	139	172	134	129	280
4647	33782	94	101	346	109	104	198	88	98	246	97	101	263	84	133	262
4648	33783	107	95	313	110	108	248	104	100	252	107	101	271	94	125	230
4649	33784	98	90	402	104	96	333	88	92	322	97	93	353	112	103	234
Experimental Mean		100	98	387	108	104	227	102	96	263	105	100	290	94	117	252
Standard Error		2.86			1			1.33			1.22			0		

Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Odisha			Uttar Pradesh						Uttar Pradesh (2)			West Bengal		
		Chiplima			Masodha			Varanasi			Mean			Hatwara		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4601	33741	88	96	228	108	106	243	106	121	194	106	114	218	92	116	278
4602	33742				119	110	234	100	142	183	109	126	209	86	142	302
4603	33743	82	72	374	111	114	219	94	123	192	102	118	206	84	128	295
4604	33744	88	70	237	114	88	210	92	95	236	103	91	224	86	99	278
4605	33745	86	86	330	124	109		122	118		122	114		81	114	250
4606	33746	86	109	188	112	78	249	112	95	186	112	86	218	103	98	238
4607	BPT 5204 (YC)	99	57	257	104	72	238	108	93	245	106	83	242	107	92	308
4608	33747	86	66	339	110	68	238	96	104	187	104	86	213	84	112	238
4609	33748	88	78	195	98	100	260	90	103	160	94	102	210	84	116	246
4610	33749	85	77	263	109	104	232	97	127	161	103	115	196	86	126	266
4611	33750	86	88	248	97	102	230	90	108	209	93	105	219	84	110	278
4612	33751				97	102	220	84	121	186	90	111	203	80	144	242
4613	33752	90	71	162	103	108	244	98	120	182	100	114	213	96	110	196
4614	33753				114	72	234	118	106	217	116	89	226	98	99	256
4615	33754				122	66		123	97	212	123	81	212	90	78	310
4616	33755	99	59	301	104	99	238	88	99	166	96	99	202	86	112	248
4617	33756	94	98	294	100	117	216	87	114	196	93	115	206	86	119	340
4618	IR 64 (YC)	90	108	142	102	100	208	89	98	214	96	99	211	86	110	235
4619	33757	84	85	144	96	116	224	76	126	202	86	121	212	85	128	251
4620	33758	86	85	145	110	102	250	87	111	234	99	106	242	92	114	324
4621	33759	84	84	176	106	107	236	94	119	196	100	113	216	97	116	249
4622	33760	86	85	224	108	106	240	93	108	179	100	107	210	88	114	222
4623	33761	87	95	200	106	80	239	108	69	196	107	74	218	92	74	198
4624	33762	84	84	176	104	86	232	106	94	198	106	90	216	96	88	274
4625	33763	86	85	224	112	77	260	104	97	200	108	87	230	95	81	292
4626	DRR Dhan 45 (YMNC)	87	95	200	100	112	245	102	112	212	101	112	228	86	114	230
4627	33764	88	87	180	130	82	258	94	94	186	112	88	222	100	88	296
4628	33765	84	85	185	102	118	243	98	125	208	100	121	225	86	126	250
4629	33766	86	88	248	106	118	268	122	115	210	114	116	239	86	130	285
4630	33767	84	84	176	102	107	245	100	116	212	100	112	228	83	124	259
4631	33768	86	85	224	112	103	274	94	119	188	103	111	231	100	118	235
4632	33769	87	95	200	102	106	284	98	122	178	100	114	230	101	118	249
4633	33770	88	87	180	112	90	255	112	107	181	112	98	218	93	109	286
4634	33771	84	85	185	118	92	280	102	97	218	110	94	249	92	98	270
4635	33772	84	84	176	118	115	219	94	119	166	106	117	192	90	128	202
4636	33773	86	85	224	116	102	249	98	123	186	107	113	218	88	118	242
4637	DRR Dhan 48 (YMNC)	88	87	180	118	88	247	122	105	164	120	97	205	95	96	211
4638	33774	84	85	185	114	88	242	100	100	162	107	94	202	90	94	162
4639	33775	88	87	180	112	104	257	94	108	199	103	106	228	87	113	229
4640	33776	84	85	185	104	100	238	98	110	184	100	105	211	91	109	334
4641	33777	84	85	144	114	91	308	112	107	196	113	99	252	94	102	272
4642	33778	86	85	145	112	76	228	91	75	266	102	76	247	88	82	296
4643	33779	84	84	176	115	110	314	106	114	192	110	112	253	94	120	224
4644	33780	86	85	224	110	94	316	107	107	198	108	100	257	100	94	274
4645	33781	87	95	200	113	92	253	98	108	163	106	100	208	96	114	248
4646	Chittimuthyalu (MNC)	84	84	176	116	129	218	138	147	203	127	138	210	104	124	245
4647	33782	86	85	224	108	111	296	94	110	185	101	110	240	88	110	197
4648	33783	87	95	200	112	108	266	100	111	163	106	110	215	92	112	246
4649	33784	88	87	180				88	95	204	88	95	204	82	115	268
Experimental Mean		86	85	209	109	98	247	100	109	194	105	104	220	90	110	257
Standard Error		1.35			0.89			0.42			0.49			0.78		

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Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (7)			ZONE IV - NORTH EASTERN		
		West Bengal						West Bengal (3)			Mean			Assam		
		Bankura			chinsurah									Titabar		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4601	33741	92	104	352	129	113	280	104	111	304	102	111	258	116	121	272
4602	33742	85	106	344	124	120	198	98	123	281	101	128	247	104	132	311
4603	33743	92	120	290	112	112	231	96	120	272	94	114	260	100	138	266
4604	33744	86	110	244	124	86	248	99	99	257	97	94	240	113	86	292
4605	33745	90	112	378	137	117	280	103	114	302	104	110	296	102	118	274
4606	33746	91	108	337	114	98	214	102	101	263	102	99	231	118	102	262
4607	BPT 5204 (YC)	92	100	317	132	100	231	110	97	286	108	86	271	100	102	278
4608	33747	92	108	292	111	90	248	96	103	260	95	94	260	100	106	260
4609	33748	89	106	351	106	90	248	93	104	281	91	99	247	100	114	308
4610	33749	91	114	342	110	122	231	96	121	279	96	117	248	104	134	238
4611	33750	93	104	259	110	86	214	96	100	251	93	100	239	102	114	270
4612	33751	88	110	369	106	111	231	91	121	281	89	123	251	93	124	270
4613	33752	92	102	325	112	108	214	100	107	245	98	106	220	110	115	275
4614	33753	89	113	354	138	106	198	108	106	270	111	101	244	106	102	302
4615	33754	94	106	336	147	96	198	111	94	282	119	92	259	104	100	303
4616	33755	86	104	282	112	101	264	95	106	265	95	100	246	102	116	270
4617	33756	90	111	344	112	104	231	96	112	305	93	112	269	103	118	278
4618	IR 64 (YC)	93	118	315	112	81	214	97	103	255	94	104	231	104	113	294
4619	33757	88	108	324	109	112	280	94	116	285	89	112	247	102	128	253
4620	33758	92	118	346	111	114	280	98	115	317	96	111	259	114	110	314
4621	33759	90	112	360	126	131	231	104	120	280	100	113	246	110	122	289
4622	33760	86	108	345	124	104	214	99	109	260	96	107	249	106	118	292
4623	33761	87	112	368	126	78	280	102	88	282	100	85	248	112	80	286
4624	33762	88	113	371	124	88	248	102	96	297	100	93	252	115	94	284
4625	33763	89	108	366	128	99	231	104	96	297	101	93	265	116	100	261
4626	DRR Dhan 45 (YMNC)	95	104	315	112	112	280	98	110	275	95	108	250	102	114	242
4627	33764	92	114	287	114	103	280	102	101	288	102	98	253			
4628	33765	90	114	312	111	124	264	96	121	275	94	116	240	102	132	269
4629	33766	91	106	294	112	106	280	96	114	286	98	111	268	100	124	261
4630	33767	89	117	322	112	131	248	94	124	276	93	122	247	102	124	286
4631	33768	92	102	340	126	126	280	106	115	285	100	112	256	112	129	308
4632	33769	93	106	334	127	133	248	107	119	277	100	112	249	112	126	275
4633	33770	94	166	292	128	101	280	105	125	286	103	109	249	111	122	274
4634	33771	94	114	334	124	96	231	104	103	278	101	97	250	110	106	298
4635	33772	88	112	324	126	119	248	102	120	258	99	112	234	110	123	300
4636	33773	93	110	333	114	112	231	98	114	268	98	110	240	103	129	286
4637	DRR Dhan 48 (YMNC)	87	112	361	126	106	248	102	105	273	104	103	232	112	114	303
4638	33774	91	104	362	112	96	280	97	98	268	98	95	233	104	100	256
4639	33775	92	108	342	112	110	297	97	110	289	96	107	250	102	115	300
4640	33776	87	112	345	125	101	248	101	107	309	97	110	253	106	113	266
4641	33777	93	116	294	124	106	248	104	108	272	105	104	245	118	108	268
4642	33778	94	112	368	114	92	264	98	95	310	97	90	263	102	87	284
4643	33779	86	118	328	119	121	248	100	120	266	100	112	252	112	114	284
4644	33780	92	112	338	121	98	248	104	101	286	102	101	270	117	107	292
4645	33781	89	94	369	126	108	280	104	105	299	101	104	249	110	113	300
4646	Chittimuthyalu (MNC)	90	102	345	126	139	248	107	122	279	113	122	245	98	152	290
4647	33782	88	118	313	112	98	248	96	108	252	94	109	246	100	116	278
4648	33783	91	116	362	127	130	248	103	119	285	100	114	245	108	112	289
4649	33784	90	108	334	124	86	264	99	103	289	97	99	247	104	106	280
Experimental Mean		90	110	331	119	106	248	100	109	279	99	106	250	106	114	281
Standard Error		1.13			0.96			0.57			0.35			0.48		

Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN			ZONE IV - NORTH			ZONE V - CENTRAL					
		Tripura			EASTERN (2)			Chhattisgarh			Maharashtra		
		Arundhutinagar			Mean			Jagadalpur			Sakoli		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4601	33741	89	119	354	103	120	313	110	97	312	102	128	347
4602	33742	86	124	468	95	128	390	103	103	250	96	157	320
4603	33743	86	116	522	92	127	394	95	90	255	80	130	306
4604	33744	88	116	450	100	101	371	96	76	190	87	95	260
4605	33745	85	114	360	93	116	317	128	92	308	122	122	290
4606	33746	86	106	450	102	104	356	110	72	250	100	102	301
4607	BPT 5204 (YC)	88	112	558	94	107	418	110	65	190	104	94	295
4608	33747	86	104	486	92	105	373	96	68	175	82	118	252
4609	33748	86	112	450	94	113	379	97	76	195	108	102	308
4610	33749	82	114	486	93	124	362	103	100	188	96	133	316
4611	33750	84	112	522	94	113	396	96	77	212	85	119	263
4612	33751	88	86	594	90	105	432	87	81	175	78	146	205
4613	33752	88	87	558	99	101	416	97	82	222	88	117	222
4614	33753	84	98	522	95	100	412	114	79	198	110	122	348
4615	33754	82	98	450	94	99	376	124	74	220	122	106	314
4616	33755	84	131	522	94	124	396	96	85	258	86	114	309
4617	33756	86	144	558	94	131	418	96	76	210	86	113	416
4618	IR 64 (YC)	88	112	594	96	112	444	91	66	188	84	100	302
4619	33757	86	111	450	94	120	352	96	88	212	80	122	360
4620	33758	90	139	558	102	124	436	99	74	210	94	114	318
4621	33759	84	118	486	97	120	388	105	87	210	96	114	275
4622	33760	84	138	450	95	128	371	99	80	226	90	120	346
4623	33761	84	146	486	98	113	386	110	62	170	92	86	260
4624	33762	88	92	354	101	93	319	110	64	185	100	100	256
4625	33763	85	138	468	101	119	364	110	64	180	106	100	377
4626	DRR Dhan 45 (YMNC)	82	138	522	92	126	382	96	81	218	86	123	336
4627	33764	84	106	450	84	106	450	110	61	188	106	112	252
4628	33765	82	119	360	92	126	314	96	88	219	88	138	427
4629	33766	88	111	450	94	117	356	97	94	220	84	134	325
4630	33767	88	109	558	95	116	422	97	90	228	84	117	302
4631	33768	86	94	486	99	111	397	104	85	255	98	120	348
4632	33769	85	126	450	99	126	362	114	88	205	104	109	324
4633	33770	82	104	486	96	113	380	110	70	182	100	111	342
4634	33771	88	117	522	99	112	410	97	65	178	90	106	300
4635	33772	82	146	594	96	134	447	97	89	235	90	120	290
4636	33773	84	122	558	94	125	422	97	83	206	88	126	332
4637	DRR Dhan 48 (YMNC)	86	88	522	99	101	412	110	72	195	98	115	298
4638	33774	84	87	450	94	93	353	105	64	178	96	96	282
4639	33775	86	129	522	94	122	411	104	79	202	88	100	320
4640	33776	84	112	558	96	113	412	103	77	210	90	108	290
4641	33777	82	120	594	100	114	431	103	76	206	110	115	338
4642	33778	88	154	450	95	120	367	104	60	168	86	50	255
4643	33779	90	130	558	101	122	421	103	82	276	96	118	248
4644	33780	92	119	486	104	113	389	110	75	205	100	118	310
4645	33781	90	132	432	100	123	366	105	82	198	94	118	266
4646	Chittimuthyalu (MNC)	82	141	486	90	147	388	120	115	302	124	168	268
4647	33782	88	118	378	94	117	328	96	79	200	82	110	223
4648	33783	85	116	378	96	114	334	103	86	228	90	114	215
4649	33784	88	104	414	96	105	347	96	68	188	84	114	258
Experimental Mean		85	116	486	96	116	385	103	79	213	94	114	300
Standard Error		0.73			0.37			0			0.56		

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Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL									ZONE V - CENTRAL (4)			ZONE VI - WESTERN		
		Maharashtra			Maharashtra (2)			Madhya Pradesh			CENTRAL (4)			Gujarat		
		Sindewahi			Mean			Jabalpur			Mean			Navasari		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4601	33741	106	136	238	104	132	292	119	104	232	110	116	282	98	132	190
4602	33742	106	148	248	102	152	284	106	133	211	103	135	257	78	139	176
4603	33743	91	128	294	86	129	300	103	101	220	92	112	269	70	128	167
4604	33744	92	91	299	90	93	280	104	61	230	95	81	245	78	93	174
4605	33745	100	144	175	110	133	233	140	95	202	122	113	244	102	113	168
4606	33746	107	114	236	104	108	269	116	72	295	108	90	271	91	105	202
4607	BPT 5204 (YC)	110	110	298	108	102	296	116	64	291	110	83	268	95	93	168
4608	33747	90	112	222	86	115	238	104	63	220	93	91	218	74	125	180
4609	33748	88	108	324	98	105	316	102	77	218	99	91	261	68	114	188
4610	33749	100	144	243	98	139	279	106	103	200	101	120	236	76	135	176
4611	33750	92	112	360	88	115	311	105	86	246	94	98	270	72	114	166
4612	33751	87	149	291	82	147	248	100	101	239	88	119	228	69	150	150
4613	33752	96	127	243	92	122	232	115	78	212	99	101	225	78	111	158
4614	33753	113	125	292	112	123	320	114	91	182	113	104	255			
4615	33754	121	112	470	122	109	392	140	79	267	127	93	318	103	118	176
4616	33755	92	111	316	89	113	312	107	78	184	95	97	267	77	123	192
4617	33756	86	126	285	86	120	351	108	87	230	94	101	285	74	126	181
4618	IR 64 (YC)	90	99	310	87	100	306	105	74	230	92	85	258	74	110	176
4619	33757	88	132	279	84	127	320	106	99	232	92	110	271	76	126	192
4620	33758	98	116	306	96	116	312	112	82	294	101	97	282	78	110	198
4621	33759	107	125	293	101	120	284	113	90	214	105	104	248	90	133	190
4622	33760	94	99	231	92	109	288	103	83	215	96	95	254	79	122	178
4623	33761	108	85	309	100	86	284	107	52	309	104	71	262	90	90	154
4624	33762	108	108	296	104	104	276	120	64	249	109	84	246	78	107	149
4625	33763	100	103	354	102	102	365	120	62	302	109	82	303	92	107	154
4626	DRR Dhan 45 (YMNC)	90	110	258	88	116	297	108	78	198	95	98	252	72	121	162
4627	33764	94	98	333	100	106	292	121	67	247	108	85	255	74	105	179
4628	33765	94	139	270	90	138	348	107	95	228	96	115	286	74	128	177
4629	33766	91	119	280	88	127	302	104	93	266	94	110	273	72	125	198
4630	33767	90	122	354	87	120	328	106	86	220	94	104	276	75	126	149
4631	33768	102	122	276	100	122	312	116	84	224	105	103	276	90	119	206
4632	33769	105	133	215	104	121	270	118	100	197	110	107	235	92	139	178
4633	33770	105	119	232	103	115	287	114	81	233	108	95	247	92	127	176
4634	33771	90	84	274	90	95	288	106	75	272	96	83	256	91	91	203
4635	33772	92	111	245	91	116	268	108	92	227	97	103	249	92	137	207
4636	33773	92	111	266	90	118	299	106	82	266	96	100	267	78	146	181
4637	DRR Dhan 48 (YMNC)	100	114	334	99	115	316	108	65	231	104	92	264	84	130	227
4638	33774	100	104	281	98	100	281	109	68	225	102	83	241	82	109	162
4639	33775	95	106	270	92	103	295	103	79	256	98	91	262	72	134	172
4640	33776	96	102	266	94	105	278	106	79	210	99	91	244	79	114	188
4641	33777	111	116	300	111	115	320	119	74	240	111	95	271	92	114	182
4642	33778	90	75	314	88	62	284	107	62	298	97	62	259	78	97	160
4643	33779	96	118	209	96	118	229	108	81	209	101	100	236	92	133	152
4644	33780	106	115	286	103	116	298	114	73	226	107	95	257	91	122	180
4645	33781	98	124	210	96	121	238	116	75	236	104	100	227	92	124	154
4646	Chittimuthyalu (MNC)	93	161	315	109	164	292	114	136	228	113	145	278	90	154	162
4647	33782	92	110	238	86	110	230	104	79	211	93	94	218	74	114	178
4648	33783	97	118	199	94	116	207	110	83	214	100	100	214	104	112	190
4649	33784	89	93	387	87	104	323	107	71	296	94	86	282	74	107	182
Experimental Mean		97	116	282	96	116	291	110	82	236	101	98	258	82	119	177
Standard Error		0.42			0.33			0.84			0.26			0.79		

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Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN			ZONE VI - WESTERN (2)			ZONE VII - SOUTHERN								
		Maharashtra						Andhra Pradesh			Karnataka					
		Karjat			Mean			Maruteru			Gangavati			Sirsi		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4601	33741	104	146	305	101	139	248	100	129	386	104	136	336	112	112	399
4602	33742	100	155	292	89	147	234	88	153	390	98	133	281	95	99	366
4603	33743	86	149	272	78	139	220	87	134	393	96	144	299	94	100	382
4604	33744	92	108	276	85	100	225	86	120	396	102	97	358	100	72	420
4605	33745	136	140	322	119	126	245	116	139	290	125	122	316	137	100	396
4606	33746	100	117	319	96	111	260	102	124	399	108	98	329	117	79	373
4607	BPT 5204 (YC)	108	104	314	102	99	241	107	114	310	113	84	348	112	68	400
4608	33747	88	108	302	80	116	241	84	108	392	104	88	335	103	84	396
4609	33748	86	112	288	77	113	238	82	130	416	90	108	366	94	88	406
4610	33749	100	132	286	88	133	231	85	150	382	98	134	373	98	94	376
4611	33750	94	109	269	83	112	218	84	120	456	98	99	445	96	82	420
4612	33751	86	140	282	78	145	216	85	124	327	84	140	282	86	109	343
4613	33752	98	125	309	88	118	234	86	131	382	102	118	308	107	90	402
4614	33753	118	128	349	118	128	349	102	129	360				109	87	383
4615	33754	128	126	356	116	122	266	108	122	270	94	108	357	134	80	472
4616	33755	92	118	282	84	120	237	85	120	380	95	108	384	94	86	416
4617	33756	92	139	296	83	133	239	84	127	402	97	122	363	95	84	419
4618	IR 64 (YC)	93	116	266	84	113	221	85	115	382	95	99	380	97	79	429
4619	33757	91	132	282	83	129	237	87	135	402	96	136	338	94	95	390
4620	33758	102	118	273	90	114	235	97	128	353	106	112	305	110	84	476
4621	33759	101	128	282	96	130	236	100	132	400	108	120	390	113	92	386
4622	33760	98	128	315	88	125	246	88	136	422	101	113	313	110	84	360
4623	33761	101	92	306	96	91	230	98	94	416	105	66	344	112	60	376
4624	33762	104	116	292	91	111	220	102	127	429	102	90	352	110	82	386
4625	33763	106	162	305	99	135	230	102	115	400	105	83	360	106	71	350
4626	DRR Dhan 45 (YMNC)	90	133	344	81	127	253	85	142	399	90	108	312	106	88	376
4627	33764	106	106	352	90	106	265	102	120	392	104	84	358	108	84	366
4628	33765	92	136	276	83	132	227	88	131	436	98	122	330	94	96	393
4629	33766	90	145	300	82	135	249	85	142	409	98	132	348	95	98	393
4630	33767	90	128	294	83	127	222	84	134	366	94	132	370	94	92	376
4631	33768	91	118	299	91	118	252	99	130	406	103	112	320	104	80	356
4632	33769	106	140	286	99	140	232	103	133	356	110	116	344	106	90	372
4633	33770	102	116	306	97	121	241	102	134	429	105	108	302	108	85	390
4634	33771	96	111	312	94	101	258	94	113	429	96	96	364	94	74	448
4635	33772	101	132	292	97	135	249	94	148	386	102	124	336	101	99	343
4636	33773	96	149	264	88	147	222	94	131	344	97	125	328	95	96	396
4637	DRR Dhan 48 (YMNC)	101	119	271	92	125	249	102	132	390	106	104	330	108	79	343
4638	33774	90	100	290	86	105	226	91	112	465	106	85	272	110	73	370
4639	33775	96	115	308	84	125	240	88	122	436	104	107	356	100	85	439
4640	33776	101	120	294	90	117	241	94	122	389	102	102	316	100	88	390
4641	33777	106	118	292	99	116	237	96	126	462	96	100	301	103	88	390
4642	33778	86	95	262	82	96	211	84	96	469	92	82	371	95	126	400
4643	33779	101	122	292	96	127	222	102	128	399	102	107	330	106	94	350
4644	33780	102	126	280	96	124	230	102	128	422	106	106	334	110	88	344
4645	33781	100	124	283	96	124	219	97	126	370	104	106	344	106	87	340
4646	Chittimuthyalu (MNC)	120	174	286	105	164	224	113	167	432	108	154	314	106	124	422
4647	33782	88	116	301	81	115	240	87	114	406	96	95	320	91	84	350
4648	33783	101	130	304	102	121	247	98	128	449	106	112	326	106	92	356
4649	33784	94	116	286	84	111	234	84	118	406	97	96	374	96	98	409
Experimental Mean		98	125	296	91	123	239	93	127	395	101	109	338	103	88	388
Standard Error		1.17			0.78			0.84			1.31			3.55		

Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Karnataka			Karnataka (3)			Kerala			Puducherry			Telangana		
		Mandya			Mean			Monocompu			Karaikal			Warangal		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
4601	33741	122	108	289	113	119	342	68	124	248	91	128	382	110	126	444
4602	33742	91	105	306	94	112	318	66	125	165	83	107	359	96	148	429
4603	33743	94	100	272	95	115	318	68	125	175	84	120	346	92	129	427
4604	33744	94	69	272	99	79	350	68	92	191	83	73	370	99	102	444
4605	33745	118	97	255	126	106	322	109	136	214	112	98	297	127	114	443
4606	33746	116	81	289	114	86	330	86	104	212	98	89	326	104	107	431
4607	BPT 5204 (YC)	114	71	238	113	74	328	85	100	210	104	80	350	112	93	372
4608	33747	100	84	238	102	85	323	68	102	165	85	86	358	98	99	440
4609	33748	94	94	272	93	96	348	68	93	182	86	90	267	95	102	451
4610	33749	95	100	272	97	109	340	72	106	204	73	91	238	96	123	431
4611	33750	88	88	306	94	90	390	69	103	182	82	80	354	98	116	444
4612	33751	88	117	255	86	122	293	67	116	158	76	87	310	103	123	416
4613	33752	108	98	272	105	102	327	70	116	130	100	99	296	104	111	422
4614	33753	94	101	306	102	94	344	74	98	118	76	77	253	104	88	354
4615	33754	119	89	272	116	92	367	102	104	195	116	86	390	130	96	460
4616	33755	93	98	289	94	97	363	70	96	130	78	79	252	96	105	448
4617	33756	93	98	357	95	101	380	66	112	178	78	97	364	96	122	462
4618	IR 64 (YC)	92	84	306	95	87	372	67	85	119	86	80	370	98	98	444
4619	33757	92	101	289	94	111	339	67	104	148	80	105	294	99	130	429
4620	33758	94	93	306	104	96	362	76	104	174	79	90	313	109	108	464
4621	33759	94	100	272	105	104	350	78	126	240	99	104	289	108	115	446
4622	33760	100	100	272	104	99	315	70	108	168	85	91	323	98	122	451
4623	33761	96	55	255	104	60	325	74	91	194	98	77	336	112	74	444
4624	33762	84	89	289	99	87	342	84	95	228	102	82	352	110	96	468
4625	33763	114	74	289	108	76	333	86	95	234	100	77	358	112	96	431
4626	DRR Dhan 45 (YMNC)	92	91	340	96	96	343	68	95	182	68	95	308	98	105	453
4627	33764	118	73	272	110	80	332	84	89	224	98	81	290	112	88	462
4628	33765	100	112	289	97	110	338	69	116	175	85	104	333	100	131	462
4629	33766	95	99	238	96	110	326	69	111	218	88	105	366	99	127	460
4630	33767	92	108	272	94	111	339	68	114	178	86	109	328	98	124	473
4631	33768	94	82	255	100	91	310	70	123	224	94	99	382	108	132	466
4632	33769	110	98	255	109	101	324	80	117	211	112	109	374	112	128	460
4633	33770	98	95	255	104	96	315	76	111	221	99	85	390	110	109	464
4634	33771	93	82	306	94	84	373	68	103	198	98	87	356	100	104	480
4635	33772	96	104	323	100	109	334	70	119	208	100	102	370	104	117	447
4636	33773	94	102	255	95	108	326	68	115	204	93	98	374	99	119	460
4637	DRR Dhan 48 (YMNC)	110	87	204	108	90	292	86	112	260	100	89	356	110	109	456
4638	33774	106	75	272	108	78	304	76	98	118	96	86	346	102	88	473
4639	33775	100	95	289	101	96	362	78	97	208	91	98	321	103	110	451
4640	33776	101	90	306	101	93	337	70	100	201	100	92	358	100	103	444
4641	33777	91	93	323	97	94	338	72	104	228	82	76	240	100	105	474
4642	33778	90	77	255	93	95	342	68	75	214	84	71	378	96	81	416
4643	33779	108	92	255	106	98	312	76	117	96	99	102	384	110	117	458
4644	33780	108	78	272	108	91	316	76	117	214	102	95	304	110	107	446
4645	33781	107	83	357	106	92	347	72	112	188	98	108	291	102	109	444
4646	Chittimuthyalu (MNC)	100	126	323	104	135	353	105	124	94	86	128	318	108	149	480
4647	33782	94	94	289	94	91	320	68	96	104	87	89	314	98	90	434
4648	33783	107	98	289	107	100	324	70	111	178	102	104	352	104	125	431
4649	33784	98	95	255	97	96	346	70	95	201	76	74	318	100	129	438
Experimental Mean		99	92	281	102	97	336	74	106	185	90	93	332	103	111	445
Standard Error		0.68			1.16			0.46			1.03			0.94		

Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									Zone VII-Southern (9)			Maharashtra (3)		
		Telangana			Telangana (2)			Tamil Nadu								
		Rajendranagar			Mean			Coimbatore			Mean			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
4601	33741	111	104	346	110	115	396	102	110	288	102	120	347	104	136	296
4602	33742	105	108	294	100	128	362	96	104	288	91	120	320	101	153	286
4603	33743	101	106	248	97	118	337	92	111	284	90	119	314	86	136	290
4604	33744	98	84	304	98	93	374	97	87	366	92	88	347	90	98	278
4605	33745	124	100	238	126	107	340	120	117	266	121	114	302	119	135	262
4606	33746	118	89	274	110	98	352	108	102	284	106	97	324	103	111	286
4607	BPT 5204 (YC)	119	79	340	115	86	356	114	87	330	109	86	322	108	102	302
4608	33747	107	93	267	102	96	354	94	95	260	94	93	317	86	113	259
4609	33748	98	86	320	96	94	386	92	90	272	89	98	328	94	108	307
4610	33749	106	103	314	101	113	372	98	98	300	91	111	321	99	136	281
4611	33750	97	91	310	97	103	378	90	93	304	89	97	358	90	113	297
4612	33751	114	102	270	108	112	343	83	112	274	87	114	293	84	145	260
4613	33752	102	97	264	103	104	343	97	66	296	97	103	308	94	123	258
4614	33753	114	97	254	109	93	304	107	55	266	97	92	287	114	125	330
4615	33754	124	94	316	127	95	388	126	52	326	117	92	340	124	114	380
4616	33755	98	96	248	97	100	348	94	54	254	89	94	311	90	114	302
4617	33756	99	90	333	98	106	398	94	58	278	89	101	351	88	126	333
4618	IR 64 (YC)	100	80	376	99	89	410	95	51	296	91	86	345	89	105	293
4619	33757	100	104	317	100	117	373	94	63	270	90	108	320	86	129	307
4620	33758	111	96	346	110	102	406	105	53	352	99	96	343	98	116	299
4621	33759	111	103	294	110	109	370	108	65	296	102	106	335	101	122	283
4622	33760	104	100	317	101	111	384	99	79	296	95	104	325	94	115	297
4623	33761	106	68	366	109	71	405	104	82	422	101	74	350	100	88	292
4624	33762	110	92	287	110	94	378	105	92	306	101	94	344	104	108	281
4625	33763	111	79	334	111	87	382	107	93	340	105	87	344	104	122	345
4626	DRR Dhan 45 (YMNC)	101	103	370	100	104	411	97	96	322	89	103	340	89	122	312
4627	33764	98	84	330	105	86	396	98	76	326	102	87	336	102	106	312
4628	33765	103	106	280	102	119	371	99	110	318	93	114	335	91	138	324
4629	33766	101	105	270	100	116	365	96	115	292	92	115	333	89	133	302
4630	33767	102	103	260	100	114	367	95	104	308	90	113	326	88	123	316
4631	33768	100	100	254	104	116	360	104	102	292	97	107	328	97	120	308
4632	33769	116	101	287	114	114	374	112	114	288	107	112	327	105	128	275
4633	33770	108	97	297	109	103	380	107	94	318	102	102	340	103	115	293
4634	33771	95	79	288	98	91	384	96	76	294	93	90	351	92	100	296
4635	33772	105	102	224	104	109	336	100	101	318	97	113	328	94	121	276
4636	33773	98	101	290	98	110	375	97	107	312	93	111	329	92	128	287
4637	DRR Dhan 48 (YMNC)	111	89	290	111	99	373	108	53	308	105	95	326	100	116	301
4638	33774	103	83	294	102	86	383	102	84	292	99	87	322	95	100	284
4639	33775	102	93	254	102	101	352	99	85	312	96	99	341	93	107	299
4640	33776	102	95	268	101	99	356	104	90	314	97	98	332	96	110	283
4641	33777	103	82	310	102	93	392	101	96	302	94	97	337	109	116	310
4642	33778	95	77	353	96	79	384	97	71	322	89	84	353	87	73	277
4643	33779	104	100	270	107	108	364	101	102	254	101	107	311	98	119	250
4644	33780	107	96	261	109	102	354	106	98	304	103	101	322	102	119	292
4645	33781	106	99	225	104	104	335	101	98	290	99	103	317	98	122	253
4646	Chittimuthyalu (MNC)	108	125	310	108	137	395	109	147	318	105	138	335	112	168	290
4647	33782	96	90	228	97	90	331	96	88	276	90	93	302	87	112	254
4648	33783	105	102	244	104	113	338	99	111	244	100	109	319	96	120	239
4649	33784	98	86	380	99	107	408	97	91	392	90	98	352	89	108	310
Experimental Mean		105	94	294	104	103	370	100	89	302	97	101	329	97	119	293
Standard Error		0.55			0.53			0.1			0.46			0.49		

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Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN						ZONE V - CENTRAL			ZONE VI - WESTERN		
		Odisha						Chhattisgarh			Gujarat		
		@Cuttack			@Jeypore			@Raipur			@Nawagam		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4601	33741	104	108	248	110	92	378	102	149	232	97	121	272
4602	33742	100	106	260	110	82	191	102	149	230	98	141	204
4603	33743	88	108	264	94	96	292	88	132	204	97	92	252
4604	33744	94	107	268	108	90	252	89	111	270	99	108	276
4605	33745	119	110	284	106	98	332	125	130	228	100	114	272
4606	33746	101	102	252	106	92	362	105	123	219	108	96	283
4607	BPT 5204 (YC)	120	121	234	106	76	384	111	105	260	96	97	274
4608	33747	90	92	261	109	82	366	89	107	204	96	102	272
4609	33748	89	125	258	97	88	394	86	120	218	87	118	272
4610	33749	101	148	236	98	92	388	98	152	190	96	124	276
4611	33750	92	86	245	89	89	408	89	116	246	98	126	274
4612	33751	90	134	257	107	92	238	83	136	195	86	140	275
4613	33752	102	130	265	108	92	204	94	119	211	94	102	249
4614	33753	115	130	264	99	87	308	115	127	188	99	100	269
4615	33754	124	104	244	100	70	454	131	105	256	100	118	246
4616	33755	92	103	270	99	92	248	90	114	212	97	106	274
4617	33756	94	107	262	99	101	303	89	114	229	122	126	281
4618	IR 64 (YC)	98	106	260	101	91	335	93	103	270	95	106	286
4619	33757	94	122	252	89	96	302	89	129	218	97	124	284
4620	33758	104	125	228	101	97	375	96	124	252	106	106	272
4621	33759	106	123	263	107	94	335	102	132	202	98	122	285
4622	33760	96	118	238	104	86	394	89	116	214	102	128	272
4623	33761	104	81	253	97	69	295	96	89	232	105	81	272
4624	33762	102	96	258	96	90	188	96	111	278	100	104	272
4625	33763	122	102	258	106	71	312	95	96	254	94	96	270
4626	DRR Dhan 45 (YMNC)	92	123	242	93	96	350	89	131	230	99	115	278
4627	33764	123	120	262	106	77	295	94	107	230	94	80	278
4628	33765	94	118	242	108	100	258	90	141	192	94	77	277
4629	33766	96	125	231	109	99	394	89	125	204	90	143	274
4630	33767	120	137	262	97	96	248	88	139	214	100	127	272
4631	33768	117	120	248	106	92	298	100	131	220	102	114	269
4632	33769	110	124	248	98	93	224	105	128	220	104	129	268
4633	33770	110	117	263	109	92	234	102	116	268	102	125	282
4634	33771	122	114	263	97	88	322	96	108	218	98	94	276
4635	33772	116	130	270	109	98	214	96	126	210	101	124	288
4636	33773	102	128	270	108	93	424	93	129	210	99	102	277
4637	DRR Dhan 48 (YMNC)	108	114	262	116	81	258	105	128	288	98	96	267
4638	33774	94	90	260	97	88	224	98	105	250	100	91	153
4639	33775	106	122	249	98	86	254	89	122	208	99	116	273
4640	33776	110	122	268	107	92	214	94	115	261	99	101	278
4641	33777	116	102	254	99	91	260	111	118	266	91	93	275
4642	33778	104	86	244	98	68	310	94	88	230	88	94	273
4643	33779	107	108	266	108	96	275	102	119	203	102	123	274
4644	33780	116	92	244	114	92	218	102	113	264	111	111	285
4645	33781	120	126	264	108	89	216	97	120	192	108	120	276
4646	Chittimuthyalu (MNC)	102	152	255	98	110	234	123	169	232	108	154	275
4647	33782	97	116	258	98	90	211	88	123	218	100	94	272
4648	33783	120	124	248	108	92	201	96	119	191	103	114	272
4649	33784	104	104	256	109	74	312	87	107	285	99	101	274
Experimental Mean		105	114	255	102	89	295	97	121	228	99	110	269
YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check													

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Table No. 14.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – Biofort, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VII - SOUTHERN											
		Karnataka			Kerala			Telangana			Tamil Nadu		
		@Mugad			@Pattambi			@Rudrur			@Aduturai		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
4601	33741	103	71	312	94	106	260	98	148	294	100	102	313
4602	33742	92	53	249	99	112	287	97	142	199	90	98	240
4603	33743	92	91	282	92	93	320	82	127	164	95	103	268
4604	33744	94	74	331	95	79	261	86	98	152	94	88	250
4605	33745	98	75	302	99	103	221	100	139	181	113	102	259
4606	33746	103	58	308	95	104	264	100	113	228	108	77	319
4607	BPT 5204 (YC)	110	54	288	100	77	304	110	84	202	116	100	314
4608	33747	95	72	304	94	99	316	82	95	101	102	88	252
4609	33748	92	60	360	93	90	330	86	103	160	90	78	240
4610	33749	93	76	283	92	89	288	98	149	100	98	97	218
4611	33750	93	63	308	101	92	388	84	111	224	98	83	332
4612	33751	86	88	328	94	102	266	81	140	106	88	98	216
4613	33752	94	83	333	102	102	260	92	124	129	110	97	321
4614	33753	99	79	276	96	76	355	104	116	192	94	76	181
4615	33754	116	61	218	95	89	260	106	109	188	116	95	268
4616	33755	109	56	274	94	93	261	86	119	194	109	77	220
4617	33756	91	68	333	90	94	297	82	146	205	94	78	250
4618	IR 64 (YC)	88	66	306	98	90	284	84	108	194	94	80	289
4619	33757	93	84	394	97	93	250	88	133	213	91	86	270
4620	33758	100	64	290	101	88	274	100	104	151	101	88	269
4621	33759	101	83	308	94	91	234	102	131	166	108	105	318
4622	33760	96	65	336	94	86	257	94	126	223	107	84	213
4623	33761	102	52	295	99	83	234	103	77	100	106	68	260
4624	33762	95	65	326	96	89	254	102	104	181	108	93	278
4625	33763	92	72	288	98	84	218	92	119	166	108	78	268
4626	DRR Dhan 45 (YMNC)	91	70	336	93	97	250	82	109	132	95	89	224
4627	33764	97	56	307	95	85	290	96	111	110	102	66	240
4628	33765	90	77	330	99	97	280	88	133	184	95	100	234
4629	33766	91	64	322	93	105	303	84	130	134	94	97	312
4630	33767	91	71	334	96	105	268	86	123	190	96	104	290
4631	33768	100	81	286	92	96	244	92	129	248	102	90	295
4632	33769	110	82	352	96	100	241	110	100	100	109	111	350
4633	33770	100	65	310	96	99	175	100	117	172	108	87	287
4634	33771	94	47	320	94	92	192	86	103	228	108	68	218
4635	33772	98	66	295	102	106	254	90	129	140	108	96	229
4636	33773	95	60	270	95	99	271	92	122	104	106	98	250
4637	DRR Dhan 48 (YMNC)	104	52	350	100	105	382	100	106	100	103	75	272
4638	33774	104	52	316	94	80	343	94	96	85	98	68	236
4639	33775	96	67	352	91	86	336	93	114	106	108	71	264
4640	33776	98	62	344	96	93	294	92	109	99	110	89	270
4641	33777	96	64	312	96	91	350	100	111	100	102	85	214
4642	33778	93	53	244	96	82	336	92	78	96	107	77	238
4643	33779	98	77	299	90	104	326	94	119	104	112	94	272
4644	33780	103	57	320	97	119	294	98	112	108	118	86	321
4645	33781	102	85	306	102	105	300	96	107	124	113	97	302
4646	Chittimuthyalu (MNC)	100	82	328	89	121	429	94	135	76	106	128	280
4647	33782	94	70	331	94	106	284	90	95	164	115	90	238
4648	33783	99	79	300	90	108	288	94	118	116	110	108	300
4649	33784	94	55	322	97	104	248	86	99	160	110	88	321
Experimental Mean		97	67	310	95	95	284	93	115	154	103	89	267
YC-Yield check, YMNC-Yield & Micro Nutrient check, MNC-Micro Nutrient check													

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Table No. 14.4: Iron content of entries in IVT – Biofort, Kharif 2025

S.No.	Code	GNV	PTB	NVS	KTA	RPR	SKL	MGD	SRS	MTU	TTB	CHN	RDR	LDN	MND	MSD	JYP	CBT	MNC	BKG	CTK	VRN	NWG
		Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
1	4601	1.40	1.66	1.33	1.54	1.69	1.76	1.40	1.83	1.82	1.62	1.60	1.80	1.66	1.34	1.48	1.61	1.48	1.93	1.77	1.84	1.72	1.55
2	4602	1.22	2.16	1.63	1.54	1.32	1.26	1.30	1.85	1.82	1.99	1.60	1.65	1.49	1.33	1.38		1.74	1.84	1.79	1.78	1.93	1.52
3	4603	1.55	1.86	1.49	1.93	1.78	1.44	1.84	2.23	1.92	1.96	1.56	1.64	1.76	1.36	1.58	1.93	1.80	1.94	1.92	1.85	1.89	1.54
4	4604	1.34	1.90	1.91	1.84	1.87	1.72	1.80	2.44	2.00	2.18	1.66	1.82	2.19	1.60		1.68	2.38	2.34	2.12	1.86	2.02	1.76
5	4605	1.05	1.70	1.30	1.99	1.41	1.78	1.22	1.79	1.44	1.51	1.42	1.34		1.18		1.53	1.10	1.65	1.35	1.59	1.73	1.43
6	4606	1.23	1.56	1.37	1.51	1.67	1.42	1.64	2.14	1.80	1.74	1.38	1.52	1.62	1.40	1.08	1.69	1.20	1.73	1.80	1.56	1.67	1.61
7	4607	1.46	2.36	1.43	1.49	1.69	1.50	1.50	2.00	1.80	2.15	1.50	1.68	1.77	1.51	1.26	1.76	1.62	1.73	1.67	1.85	1.48	1.82
8	4608	1.32	1.86	1.55	2.11	1.55	1.52	1.54	2.21	2.06	1.92	1.54	1.63	2.07	1.46	1.58	2.21	1.58	2.05	1.98	2.05	1.81	1.38
9	4609	1.27	1.64	1.47	1.68	1.76	1.70	1.66	2.22	1.90	1.71	1.66	1.49	2.08	1.41	1.74	1.91	1.62	1.83	2.22	1.80	1.84	1.51
10	4610	1.29	1.78	1.50	1.74	1.58	1.44	1.44	2.50	1.94	2.07	1.76	1.53	1.71	1.51	1.44	2.09	1.74	1.94	1.72	1.99	1.94	1.63
11	4611	1.69	2.22	1.78	1.89	1.70	2.04	1.78	2.46	2.10	2.32	1.80	2.08	1.87	1.54	1.50	1.89	1.66	2.14	1.86	1.98	1.94	1.65
12	4612	1.52	2.26	1.55	2.41	1.90	1.86	2.06	2.56	2.14	2.16	1.94	2.06	2.07	1.63	1.16		1.54	2.22	2.16	2.34	2.20	1.88
13	4613	1.39	2.14	1.61	2.01	1.86	1.96	1.60	2.63	1.88	1.87	1.70		2.00	1.59	1.32	1.89	1.70	1.82	2.10	1.94	1.92	1.83
14	4614		1.92		1.46	1.51	1.74	1.62	2.20	1.64	1.57	1.46	1.90		1.39	1.06	2.11	1.44	1.97	1.41	1.73	1.42	1.56
15	4615	1.41	1.98	1.39	1.71	1.58	1.80	1.94	2.23	1.70	1.55	1.48	1.66		1.67		1.60	2.04	2.33	2.07	1.72	2.17	1.72
16	4616	1.58	2.18	1.73	1.71	1.63	2.10	1.82	2.26	2.02	2.13	1.66	1.71	1.62	1.53	1.40	1.73	1.60	2.11	2.05	1.83	1.81	1.72
17	4617	1.41	1.88	1.49	1.58	1.51	1.30	1.74	2.48	2.04	1.95	1.42	1.70	1.89	1.39	1.34	1.62	1.54	1.95	1.76	1.76	1.62	1.63
18	4618	1.45	1.98	1.65	1.65	1.39	1.26	1.66	2.28	1.92	2.04	1.62	1.73	1.74	1.38	1.54	1.90	1.44	1.99	1.95	1.82	1.86	1.70
19	4619	1.28	1.64	1.45	1.69	1.57	1.32	1.48	2.27	1.92	2.06	1.38	1.54	1.97	1.48	1.36	1.59	1.38	1.70	1.70	1.90	2.23	1.57
20	4620	1.52	2.00	1.66	1.77	1.77	1.66	1.84	2.24	2.36	2.27	1.70	1.82	1.82	1.55	1.28	1.82	1.70	2.03	1.84	1.98	1.72	1.97
21	4621	1.22	1.72	1.18	1.47	1.67	1.28	1.40	2.29	1.84	1.67	1.60	1.39	1.99	1.52	1.36	1.58	1.20	1.75	1.50	1.73	1.57	1.72
22	4622	1.47	2.26	1.52	1.69	1.56	1.58	1.60	2.65		1.77	1.68	1.67	1.75	1.40	1.34	1.96	1.78	1.95	1.74	1.60	1.80	1.84
23	4623	1.25	2.16	1.55	1.40	1.55	1.28	1.60	2.86	1.72	1.72	1.34	1.55	1.52	1.37	1.58		1.48	1.79	1.79	1.78	1.91	1.59
24	4624	1.28	2.14	1.41	1.34	1.31	1.22	1.36	1.78	1.88	1.64	1.26	1.39	1.38	1.29	1.32		1.22	1.79	1.65	1.48	1.51	1.60
25	4625	1.53	2.14	1.55	1.63	1.65	1.66	1.66	2.17	1.88	1.74	1.48	1.76	1.88	1.50	1.62	1.86	1.68	1.98	1.83	1.85	1.75	1.96
26	4626	1.51	2.00	1.59	1.93	1.65	1.70	1.86	2.72	1.92	2.27	1.80	1.69	1.89	1.68	1.32	1.89	1.52	1.89	2.02	2.08	1.95	1.73
27	4627	1.50	2.14	1.42	1.72	1.69	2.00	1.50	2.82	1.90		1.42	1.66	1.74	1.50	1.20	1.76	1.44	1.99	1.90	1.93	1.69	2.03
28	4628	1.42	2.16	1.33	1.63	1.67	1.56	1.40	2.24	1.96	1.68	1.42	1.90	1.66	1.37	1.30	1.74	1.72	1.83	1.59	1.75	1.72	1.57
29	4629	1.32	2.24	1.29	1.61	1.39	1.44	1.34	2.26	1.86	1.68	1.60	1.48	1.74	1.59	1.38	1.60	1.46	2.13	1.75	1.67	1.63	1.64
30	4630	1.38	2.18	1.48	1.64	1.72	1.38	1.48	2.21	1.88	1.94	1.60	1.64	1.75	1.41	1.38	1.70	1.64	1.99	1.83	1.87	1.69	1.55
31	4631	1.46	2.06	1.48	1.46	1.30	1.40	1.26	2.34	1.90	1.93	1.34	1.71	1.35	1.34	1.32	1.74	1.58	1.96	1.42	1.77	1.39	1.70
32	4632	1.18	1.76	1.19	1.43	1.27	1.16	1.36	1.68	1.70	1.63	1.36	1.44	1.29	1.35	1.26	1.74	1.26	1.43	1.27	1.51	1.39	1.90
33	4633	1.83	1.60	1.77	1.79	1.75	1.94	2.10	2.41	2.32	2.19	1.82	2.04	2.14	1.36	1.82	1.79	1.72	2.14	2.05	1.99	2.08	2.03
34	4634	1.67	2.00	1.71	1.78	1.84	1.56	1.62	2.45	1.82	1.82	1.68	2.02	1.82	1.69	1.44	1.84	1.98	1.84	1.78	2.08	2.03	1.85
35	4635	1.63	2.20	1.50	1.79	1.78	1.90	1.62	2.38	1.98	1.97	1.50	1.73	1.92	1.45	1.74	2.06	1.52	2.26	2.04	1.97	2.12	1.83
36	4636	1.47	2.12	1.62	1.96	1.68	1.46	1.46	2.22	1.66	1.88	1.48	1.53	1.84	1.50	1.56	1.92	1.72	1.99	1.80	1.77	1.95	1.73
37	4637	1.57	1.92	1.62	1.72	1.86	1.92	1.80	2.52	1.88	1.91	1.72	1.57	2.01	1.57	1.52		1.62	1.92	2.06	1.96	1.67	2.02
38	4638	1.40	1.76	1.44	1.78	1.50	1.48	1.56	2.01	1.78	1.86	1.30	1.61	1.94	1.36	1.68	1.88	1.28	1.82	1.72	1.78	1.82	1.62
39	4639	1.20	2.06	1.52	1.65	1.54	1.74	1.40	2.19	2.04	1.71	1.48	1.58	1.73	1.45	1.30	1.80	1.38	1.79	1.77	1.65	1.80	1.62
40	4640	1.62	2.14	1.51	1.82	1.44	1.40	1.42	2.34	1.78	1.87	1.56	1.54	2.18	1.52	1.30		1.48	1.94	1.83	1.76	1.76	1.72
41	4641	1.34	2.16	1.47	1.44	1.60	1.74	1.56	2.26	1.70	1.70	1.60	1.46		1.58	1.06	1.88	1.76	1.88	1.60	1.79	1.40	1.85
42	4642	1.55	1.76	1.72	2.14	1.62	1.78	1.88	2.77	1.82	1.90	1.64	1.85	1.89	1.64	1.72	2.25	1.78	1.91	1.87	1.75	1.81	1.74
43	4643	1.63	2.18	1.59	1.72	2.13	1.98	1.58	2.47	1.96	2.13	1.60	1.68	2.17	1.50	1.46	1.92	1.46	2.00	2.19	1.98	2.12	2.16
44	4644	1.59	2.72	1.72	1.77	1.79	1.82	1.88	2.72	2.30	2.36	2.08	1.86	1.99	1.92			1.54	2.30	2.11	2.14	2.22	2.17
45	4645	1.66	2.30	1.48	1.77	1.56	1.80	1.54	2.34	1.78	2.07	1.52	1.64	1.77	1.48		2.06	1.36	1.71	2.01	1.75	1.83	2.07
46	4646	1.87	2.18	1.76	2.18	1.87	1.48	2.08	2.87		2.14	1.56	1.82		1.67			1.84	1.99	1.77	2.00	2.53	1.84
47	4647	1.52	1.66	1.60	1.80	1.85	1.76	1.94	2.60	2.02	2.11	1.52	1.83	1.92	1.66	1.74	2.02	1.72	1.96	2.17	2.04	1.73	1.61
48	4648	1.39	1.84	1.41	1.68	1.31	1.50	1.46	2.18	1.94	2.00	1.72			1.53	1.42	1.73	1.40	1.79	1.67	1.72	1.70	1.76
49	4649	1.78	2.16	1.85	1.90	2.07	1.70	1.84	2.65	2.12	2.28	2.10	2.03	2.11	1.68	1.54	2.37	1.88	2.17	2.61	2.27	2.12	2.08
50	4650	1.63						1.38															

Table No. 14.5: Zinc content of entries in IVT – Biofort, Kharif 2025

S.No.	Code	GNV	PTB	NVS	KTA	RPR	SKL	MGD	SRS	MTU	TTB	CHN	RDR	LDN	MND	MSD	JYP	CBT	MNC	BKG	CTK	VRN	NWG
		Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn
		Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
1	4601	12.17	26.31	15.60	14.18	18.80	14.06	13.35	17.38	16.99	13.98	15.17	14.10	17.38	12.28	14.14	16.51	11.14	18.25	18.05	16.51	16.04	18.29
2	4602	12.09	23.54	15.21	14.77	19.87	14.77	17.62	20.26	17.06	15.92	17.30	14.30	17.54	14.38	13.90		10.67	21.09	17.54	16.87	15.68	18.76
3	4603	14.81	26.23	19.43	15.88	20.22	16.83	16.75	23.94	18.64	18.64	18.49	14.34	21.69	13.00	16.27	19.75	11.53	25.00	19.99	18.29	18.21	19.24
4	4604	14.22	22.04	22.83	18.05	20.15	19.36	18.64	24.41	19.99	20.97	20.94	16.87	23.62	17.34		20.03	14.69	24.33	23.07	18.41	19.12	22.44
5	4605	11.42	18.33	16.43	20.15	15.44	16.67	14.22	19.75	15.88	15.52	17.78	14.14		15.13		17.26	7.58	18.88	16.83	16.35	17.50	16.79
6	4606	12.64	18.41	14.73	15.21	15.56	16.27	14.38	20.34	16.83	16.08	18.33	13.83	18.45	14.06	13.51	16.55	9.64	18.53	20.42	16.87	16.51	17.58
7	4607	13.94	26.07	15.44	16.12	17.34	17.06	15.72	21.13	18.57	21.17	16.83	15.13	18.80	15.56	15.09	17.42	8.85	21.76	19.79	19.24	17.34	19.63
8	4608	14.46	21.49	18.60	16.95	18.84	14.46	15.96	20.38	18.72	22.32	19.75	15.09	21.17	13.47	20.94	20.66	13.51	24.10	20.70	19.87	19.79	16.08
9	4609	15.92	24.02	19.47	19.95	20.26	20.94	18.17	27.69	20.15	23.70	23.31	16.51	23.50	14.97	17.22	20.15	13.11	27.18	27.73	20.46	21.29	17.50
10	4610	12.48	21.96	16.31	13.79	17.74	15.80	18.49	21.96	18.17	19.16	21.01	13.67	19.63	14.14	13.83	20.97	11.85	22.63	17.85	20.18	16.04	13.90
11	4611	15.17	28.76	16.95	17.62	19.12	19.28	17.22	24.13	16.67	22.75	21.57	15.80	23.62	15.29	14.62	19.47	9.32	26.43	24.29	21.25	20.22	16.00
12	4612	15.60	20.62	18.96	19.71	20.97	19.83	19.28	25.52	16.75	22.00	21.41	14.77	22.00	15.84	17.62		12.64	27.61	25.60	22.44	23.15	16.08
13	4613	11.77	22.44	17.66	15.84	16.63	19.51	16.20	23.07	17.54	18.01	18.49		18.17	15.72	13.04	17.42	15.41	19.95	18.96	18.21	16.31	17.10
14	4614		26.39		14.81	14.46	19.59	15.56	19.39	19.99	17.30	16.91	14.38		13.90	15.01	18.80	8.69	22.83	18.60	18.05	16.39	18.60
15	4615	15.60	22.12	17.30	18.09	18.09	17.22	22.12	25.12	18.49	17.89	19.75	15.33		20.03		20.78	22.83	21.92	20.58	15.96	24.89	19.39
16	4616	14.06	28.84	21.33	17.18	18.80	20.86	20.86	20.94	15.72	20.62	21.65	14.38	19.51	14.58	16.43	19.83	13.11	24.73	24.41	18.84	20.62	19.32
17	4617	11.26	21.41	18.37	14.06	16.27	13.98	16.12	20.11	15.88	17.14	17.30	15.09	20.26	13.00	12.96	16.63	11.53	21.96	16.75	16.59	16.43	13.79
18	4618	13.07	23.38	18.84	15.41	16.55	16.99	15.48	18.60	16.12	17.62	19.04	14.93	21.37	13.63	15.96	19.99	10.90	22.36	19.24	18.05	17.89	17.62
19	4619	10.90	22.67	15.33	14.02	14.77	12.64	15.17	19.28	15.09	16.63	17.62	13.39	19.12	12.28	11.06	15.72	8.69	19.95	16.43	16.55	18.64	15.21
20	4620	13.59	22.67	19.83	16.55	19.28	17.06	18.64	20.82	17.38	19.67	18.88	15.41	21.84	15.13	15.56	18.05	13.75	22.12	19.28	17.18	17.14	21.41
21	4621	12.32	23.15	15.41	15.33	15.76	14.46	13.19	19.28	15.56	16.20	15.48	13.51	20.62	14.77	14.85	16.16	7.82	18.64	16.99	16.04	16.75	20.26
22	4622	12.60	24.49	15.33	15.76	16.23	15.64	15.64	20.66		18.76	18.72	13.47	21.45	12.96	16.35	18.25	13.90	22.00	17.26	16.08	16.04	19.00
23	4623	12.56	23.86	14.69	15.37	14.62	15.48	17.62	23.38	17.62	19.67	18.25	13.00	19.63	12.96	17.38		9.88	22.71	22.44	18.49	17.74	21.65
24	4624	11.53	22.28	14.50	14.65	14.06	15.25	14.54	21.13	22.28	18.68	16.67	12.13	19.79	14.14	17.22		10.43	21.92	19.36	16.20	16.39	25.71
25	4625	13.15	21.88	17.81	16.00	19.04	18.88	16.27	23.54	20.07	19.59	18.09	15.13	22.63	17.38	19.12	21.01	13.11	22.24	23.42	20.86	20.58	23.03
26	4626	17.11	23.38	21.72	19.51	20.51	20.54	20.01	22.67	18.12	22.71	22.59	15.82	22.39	18.77	18.69	21.33	15.43	24.19	22.01	21.64	22.01	24.63
27	4627	13.35	20.15	17.89	17.97	17.70	20.70	15.56	24.10	19.59		20.15	13.35	23.50	16.35	17.54	21.17	11.14	26.78	22.00	20.86	20.50	25.36
28	4628	11.57	23.86	14.02	15.44	15.41	15.88	14.14	20.46	15.09	16.23	15.72	11.81	17.54	12.68	12.40	21.73	8.45	20.15	16.83	18.21	15.68	16.35
29	4629	11.38	24.17	15.60	15.33	16.16	14.14	15.25	19.32	15.96	18.41	18.09	14.06	18.92	13.86	13.75	15.84	11.38	22.00	17.97	15.72	17.66	15.88
30	4630	11.46	29.63	15.84	15.48	18.72	16.75	16.51	21.13	12.88	18.53	19.99	13.04	20.82	13.47	13.43	16.87	12.96	22.79	17.93	19.36	17.70	17.10
31	4631	11.49	22.83	13.47	13.51	13.90	15.25	12.25	18.57	14.77	14.89	13.67	12.25	17.62	13.43	12.64	15.41	13.11	19.00	15.64	15.60	13.19	16.75
32	4632	9.52	20.54	10.98	10.86	13.51	14.22	11.69	16.35	15.72	15.84	16.12	12.36	15.68	12.92	12.01	17.97	11.22	17.81	16.35	16.51	11.81	19.32
33	4633	14.10	17.70	19.24	19.24	17.18	18.41	19.83	24.10	18.80	19.59	19.43	16.16	23.19	13.79	19.91	21.05	11.61	22.83	20.78	20.66	19.83	21.33
34	4634	14.26	25.52	21.09	17.89	19.95	17.62	17.62	24.21	15.48	19.99	18.57	14.89	22.52	17.14	16.20	18.96	12.17	23.58	19.04	20.03	19.20	22.52
35	4635	14.30	22.91	20.42	20.34	23.11	22.12	18.72	25.87	23.15	25.87	23.07	15.88	26.86	12.64	21.17	16.71	9.32	30.10	25.12	24.37	25.04	22.00
36	4636	13.43	24.49	18.21	17.42	18.25	17.30	17.54	21.01	16.59	18.21	18.72	15.68	22.00	13.11	16.12	17.97	13.19	21.92	20.54	18.76	17.81	17.18
37	4637	18.75	24.99	22.25	20.77	22.41	22.22	19.46	24.34	21.20	22.03	22.20	18.55	24.63	18.38	18.04		18.17	23.62	22.96	22.91	22.82	23.07
38	4638	13.35	22.67	15.29	15.92	14.06	14.54	14.93	19.16	17.70	21.17	18.41	17.58	20.78	14.26	18.41	17.02	11.38	21.37	17.42	19.71	17.02	17.22
39	4639	11.73	20.86	20.22	16.23	16.79	14.85	13.98	20.90	12.80	16.47	18.49	13.47	21.45	13.79	15.09	18.25	10.82	21.80	18.09	20.94	16.31	18.21
40	4640	18.49	27.10	20.03	19.95	21.13	19.83	18.49	24.49	24.49	23.86	22.12	18.72	25.08	17.85	21.49		17.54	27.61	22.44	19.63	20.74	26.94
41	4641	17.78	27.73	20.70	17.30	16.87	20.70	18.64	22.87	18.49	17.66	20.94	16.75		17.10	15.64	22.36	16.83	24.06	16.87	21.09	17.34	23.86
42	4642	16.23	29.39	26.62	22.67	20.11	19.91	24.65	24.69	21.88	23.07	25.36	20.62	22.87	17.66	22.28	26.66	15.33	27.37	19.51	21.69	22.36	22.28
43	4643	18.41	27.49	21.61	20.42	21.17	24.33	17.14	26.58	24.17	23.74	21.01	17.78	26.27	17.50	20.78	22.99	18.41	25.91	24.10	25.00	22.00	30.34
44	4644	18.57	30.26	23.19	19.87	19.51	20.15	20.78	30.57	25.83	22.91	20.07	16.99	25.52	21.61			17.85	25.08	23.86	22.48	21.49	28.87
45	4645	18.96	30.49	23.15	19.91	20.82	21.88	17.06	25.56	22.44	23.62	22.12	18.64	24.77	18.25		22.87	19.83	24.21	24.45	23.07	22.91	32.51
46	4646	14.18	21.73	14.54	17.97	17.26	18.09	14.93	22.52		17.89	15.17	16.43		14.77			12.64	21.49	16.23	23.31	21.73	18.37
47	4647	17.42	18.57	19.12	17.14	22.87	20.38	19.75	25.56	20.70	24.10	22.83	14.46	23.38	17.26	19.36	21.09	12.09	27.77	23.23	25.68	21.53	21.29
48	4648	16.91	19.99	22.55	17.66	20.74	22.44	16.27	24.25	24.81	23.23	23.15			17.54	22.99	21.76	16.67	26.31	23.07	22.75	21.65	28.95
49	4649	17.85	24.33	23.15	18.53	21.25	19.91	19.99	24.81	21.17	24.81	23.46	18.45	25.99	17.42	20.15	22.95	12.40	26.70	24.45	22.75	23.07	25.48
50	4650	17.78						17.46															

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Table No. 14.5: Protein content of entries in IVT – Biofort, Kharif 2025

S.No	Entry no.	LDN	CTK	JYP	CHN	Mean	TTB	RPR	NWG	NVS	Mean	GGT	CBT	MND	Mean	Overall
		Z-II	Z-III	Z-III	Z-III	Z-III	Z-IV	Z-V	Z-VI	Z-VI	Z-VI	Z-VII	Z-VII	Z-VII	Z-VII	Mean
1	4601	7.407	8.316	8.883	8.604	8.601	6.390	8.703	8.073	8.541	8.307	7.092	8.487	8.019	7.866	7.879
2	4602	7.461	4.257		7.911	6.084	9.414	8.082	7.551	8.802	8.177	7.524	8.820	8.037	8.127	7.891
3	4603	7.686	7.155	8.982	7.902	8.013	9.639	8.802	6.255	8.919	7.587	4.770	8.856	7.281	6.969	8.116
4	4604	6.435	7.299	9.081	8.964	8.448	9.378	8.703	8.838	8.082	8.460	5.769	11.988	8.910	8.889	8.386
5	4605		5.679	7.731	7.425	6.945	7.335	8.082	6.768	7.461	7.115	5.382	5.742	7.605	6.243	7.144
6	4606	7.146	7.416	8.208	7.524	7.716	8.694	7.794	8.748	8.703	8.726	5.607	8.064	7.785	7.152	7.871
7	4607	7.551	8.280	7.884		8.082	10.269		8.649	7.722	8.186	6.579	8.073	7.848	7.500	8.318
8	4608	6.984	8.577	8.406		8.492	8.298	8.946	8.577		8.577	6.786	9.675	9.441	8.634	8.322
9	4609	8.505	10.584	10.521	8.982	10.029	13.230	8.802	8.442		8.442	7.182	9.423	8.217	8.274	9.547
10	4610	6.417	8.667	10.269	8.703	9.213	9.000		6.453	7.371	6.912	5.490		8.955	7.223	7.753
11	4611	6.246	7.965	8.586	8.919	8.490	9.873	8.091	6.588	8.496	7.542	6.696		8.235	7.466	7.951
12	4612	7.020	7.335		8.901	8.118	8.694	7.785	6.696	8.793	7.745	5.688		7.479	6.584	7.658
13	4613	6.318	5.346	7.344	7.155	6.615	7.236	7.704	6.930	7.713	7.322	5.373	8.811	7.911	7.365	7.093
14	4614		5.229	8.415		6.822	9.549	8.604	7.344	8.937	8.141		9.081	8.469	8.775	8.378
15	4615		8.010	6.822		7.416	6.822	7.893	8.613	8.973	8.793	7.830	8.568	10.917	9.105	8.006
16	4616	7.029	8.145	7.389	7.416	7.650	10.710		7.524	6.903	7.214	6.327	8.550	8.586	7.821	8.085
17	4617	6.651	7.542	7.011	7.857	7.470	9.432		6.678	7.056	6.867	6.552		6.570	6.561	7.396
18	4618	7.434	7.272	8.541	8.091	7.968	9.828	7.506	6.597		6.597	6.147		7.326	6.737	7.678
19	4619	7.524	8.766	6.624	8.712	8.034	10.197	8.856	6.741	8.703	7.722	6.354	8.532	7.920	7.602	8.323
20	4620	7.803	7.542	7.785		7.664	11.493		10.382	9.851	10.117	6.291	8.757	8.469	7.839	8.983
21	4621	6.714	7.506	6.561		7.034	9.477		7.803	8.091	7.947	5.121	8.163	5.751	6.345	7.503
22	4622	6.687	5.976	8.631		7.304	9.090	7.074	7.794	8.748	8.271	5.706	8.037	7.389	7.044	7.578
23	4623	7.866	9.990		8.955	9.473	12.015	8.028	11.323	9.099	10.211	7.200		7.884	7.542	9.189
24	4624	7.695	10.152		9.946	10.049	10.611	8.604	13.652		13.652	5.346		9.279	7.313	9.654
25	4625	7.227	8.316	8.289	8.793	8.466	9.126	8.586	7.497	7.875	7.686	6.300	8.010	7.137	7.149	8.040
26	4626	6.579	7.542	4.329	8.901	6.924	8.667		5.679		5.679	4.779		8.892	6.836	6.937
27	4627	6.777	9.351	7.380		8.366		7.569	9.333	7.839	8.586	6.903		7.488	7.196	7.699
28	4628	7.785	8.451	7.110		7.781	10.854	8.676	6.579	6.543	6.561	5.580	8.163	6.903	6.882	8.090
29	4629	8.154	10.179	7.524	8.766	8.823	10.269		6.480	7.785	7.133	6.264	8.082	7.686	7.344	8.345
30	4630	7.101	6.876	6.597	7.542	7.005	10.233	7.092	6.120		6.120	6.966	8.316	9.432	8.238	7.632
31	4631	8.226	9.063	9.162		9.113	8.523	8.685	10.161	7.092	8.627	6.957	7.362	6.723	7.014	8.365
32	4632	7.227	8.901	6.867	8.316	8.028	10.206		8.289	7.110	7.700	5.796		8.820	7.308	8.094
33	4633	7.002	6.480	6.876	8.793	7.383	8.658	7.938	8.496	7.839	8.168	8.892	8.793	8.001	8.562	7.952
34	4634	7.461	8.856	7.947	8.955	8.586	9.693	8.964	9.432		9.432	8.109	8.397	7.731	8.079	8.703
35	4635	6.768	8.487	7.038	8.703	8.076	9.585		7.623		7.623	6.039	7.704	8.820	7.521	7.915
36	4636	7.704	7.920	9.270		8.595	11.259	7.965	7.605	6.372	6.989	6.129		7.911	7.020	8.255
37	4637	7.254	5.949		7.416	6.683	9.081	7.002	8.829	8.937	8.883	6.435		6.165	6.300	7.534
38	4638	6.516	7.146	9.909	8.748	8.601	8.856	7.047	6.597	7.911	7.254	6.372	8.496	7.299	7.389	7.611
39	4639	7.047	6.336	8.136	8.091	7.521	7.389	7.047	7.686	6.732	7.209	6.264	8.694	6.759	7.239	7.242
40	4640	6.120	6.354			6.354	8.667	7.929	6.570		6.570	5.022	6.705	6.192	5.973	6.936
41	4641		7.560	5.940	8.667	7.389	8.523		7.119	6.822	6.971	5.751	7.893	8.739	7.461	7.586
42	4642	8.307	8.973	8.874		8.924	11.133	8.649	8.595	8.712	8.654	7.137		8.469	7.803	8.912
43	4643	7.605	8.100	6.453		7.277	10.494	8.604	6.858		6.858	6.345		7.056	6.701	7.923
44	4644	8.271	6.984		8.775	7.880	10.260	7.182	7.587	8.136	7.862	5.148		7.866	6.507	7.994
45	4645	6.525	7.380	6.723	7.857	7.320	10.395		8.343	8.757	8.550	7.101	7.011	9.414	7.842	8.126
46	4646		10.044	8.460	8.028	8.844	7.821	8.658	8.163	8.055	8.109	8.478	8.091	7.893	8.154	8.317
47	4647	6.678	7.380	7.965	7.974	7.773	7.947	7.542	6.750	6.777	6.764	6.444	7.047	7.290	6.927	7.272
48	4648	5.958	7.866	5.184	7.542	6.864	10.935	8.064	7.857		7.857	5.436	7.065	6.426	6.309	7.665
49	4649	6.840	9.153	8.001	7.839	8.331	9.540	8.091	6.642	8.946	7.794	6.129	8.046		7.088	7.947
50	4650											5.598			5.598	5.598

ADVANCE VARIETY TRIAL 2 & 1 and INITIAL VARIETY TRIAL – EARLY (HILLS) [AVT 2 & 1 and IVT - E (H)]

Locations : 16

Test Entries: 25

**Checks : Vivekdhan 86 (NC), Shalimar Rice-3 (ZC)
and Local check (LC)**

Table: 28

Advance Variety Trial – 2 & 1 and Initial Variety Trial - Early (Hills) [AVT 2 & 1 and IVT E (H)] was constituted with 25 test entries and three checks i.e., Vivekdhan 86 (NC), Shalimar Rice-3 (ZC) and local check. Among 25 test entries, three entries were in third year of testing (AVT 2); five entries were in second year of testing (AVT 1) and remaining 17 were in first year of testing (IVT). The trial was sent to 16 locations and data was received from 12 locations. Four locations viz., Wadura, Bandipore, Badarwa and Mediziphema-ICAR did not send the data. The data from four locations was not considered for analysis due to low yield viz., Upper Shillong-Meghalaya (1833 kg/ha), Sundernagar-Himachal Pradesh (1989 kg/ha), Dhaulakaun- Himachal Pradesh (1997 kg/ha) and Palampur - Himachal Pradesh (1880 kg/ha). The data from remaining 12 locations was considered for analysis and interpretation. The overall mean grain yield across altitudes ranged from 2896 kg/ha (IET 33332) to 5582 kg/ha (IET 31381); days to 50% flowering from 95 days (IET 33336) to 113 days (IET 33335); plant height from 81 cm (IET 33342) to 118 cm (IET 33348); and number of panicles/m² from 266 (IET 33335) to 349 (IET 31389). **On over all mean basis, none of the entries showed required grain yield superiority against best check.** The data pertaining to grain yield, days to 50% flowering, plant height and panicles/m² are presented in Tables 23.2 and 23.3.

The performance of test entries at different elevations is described below:

Low Northern Elevation

In this elevation, one location Malan (Himachal Pradesh) has conducted and considered for analysis. Mean grain yield ranged from 1333 kg/ha (IET 33343 and IET 33346) to 5333 kg/ha (IET 33342), while, days to 50% flowering from 70 days (IET 33346) to 111 days (IET 33338). Plant height ranged from 75 cm (IET 33342) to 110 cm (IET 33347 and IET 333487) and number of panicles/m² from 158 (IET 33347) to 282 (Local check). Among the checks, local check recorded maximum grain yield (4400 kg/ha with 87 days to 50% flowering) followed by Zonal check, Shalimar Rice-3 (2600 kg/ha with 77 days to 50% flowering). **Among the test entries, two entries viz., IETs 33342 and 31386 recorded significant yield advantage against the best check (LC), hence IET 33342 is promoted to second year of testing. IET 31386 completed 3 years of testing and hence, discussed separately.**

Performance of superior test entries at Low Northern Elevation in AVT 1 & IVT E - (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 33342 SKUA-610 Shalimar Sugandh-1 x SKUA 540	5333 89 -
IET 31386 VL 32934	4933 89

VL Dhan 87 / VL 31743	LS
Vivekdhan 86 (NC)	2333 81
Shalimar Rice- 3 (ZC)	2600 77
Local check (LC)	4400 87
CD	489

Low Southern Elevation

In this elevation, one location Ponnampet (Karnataka) has conducted and considered for analysis. Mean grain yield ranged from 1270 kg/ha (IET 33332) to 4395 kg/ha (IET 33336), while, days to 50% flowering from 84 days (IET 32325) to 102 days (Local check-Tunga). Plant height ranged from 66 cm (IET 31386) to 104 cm (Local check-Tunga) and number of panicles/m² from 240 (IET 33335) to 388 (IET 33337). Among the checks, Zonal check (Shalimar Rice 3) recorded maximum grain yield (4048 kg/ha with 96 days to 50% flowering) followed by National check, VL Dhan 86 (3710 kg/ha with 893 days to 50% flowering). **Among the test entries, none of the entries exhibited significantly better yield than best check and hence none are promoted in Low southern elevation.**

Medium Northern Elevation

In this elevation, the trial AVT 2&1 and IVT E (H) was conducted at three locations viz., Rajouri and Almora. Mean grain yield ranged from 2638 kg/ha (IET 33344) to 5194 kg/ha (IET 31389), while, days to 50% flowering from 92 days (IET 33337) to 119 days (IET 33335). Plant height ranged from 96 cm (IET 33342) to 131 cm (National check VL Dhan 86) and number of panicles/m² from 219 (IET 33336) to 412 (IET 32317). Among the checks, National check VL Dhan 86 recorded maximum grain yield (3928 kg/ha with 99 days to 50% flowering) followed by Local check (3876 kg/ha with 95 days to 50% flowering). **Among the test entries, six entries viz., IETs 31381, 31386, 31389, 32326, 32317 and 33347 recorded significant yield advantage against the best check (NC). IETs 32326 and 32317 have been promoted to third year of testing and IET 33347 is promoted to second year of testing in Medium Northern elevation. IETs 31381, 31386 and 31389 are in third year of testing and discussed separately.**

Performance of superior test entries at Medium Northern Elevation in AVT 1& IVT E - (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 31389 VL 32933 VL Dhan 87 / VL 31743	5194 94 LS
IET 33347 VL 40946 VL 31484/Bas 1121	4781 97 ELS
IET 31381 VL 32945 VL Dhan 87 / VL 32063	4588 95 LS

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IET 31386 VL 32934 VL Dhan 87 / VL 31743	4546 99 LS
IET 32317 RCPL 1-463 RCPL 1-63/Bhalum 1	4541 100 -
IET 32326 VL 32991 VL Dhan 81/HPR 2143	4523 103 LS
Vivekdhan 86 (NC)	3928 99
Shalimar Rice- 3 (ZC)	3029 106
Local check (LC)	3876 95
CD	454

Medium Southern Elevation

In this elevation, one location Gudalur (TN) has conducted the trial and was considered for analysis. Mean grain yield ranged from 3077 kg/ha (IET 33333) to 8538 kg/ha (IET 32333), while, days to 50% flowering from 80 days (IETs 33346) to 103 days (Local check). Plant height ranged from 68 cm (IET 33342) to 120 cm (IET 31381 and Shalimar Rice 3, ZC) and number of panicles/m² from 291 (IET 33348) to 534 (IET 33333). Among the checks, National check, VL Dhan 86 recorded maximum grain yield (6077 kg/ha with 87 days to 50% flowering) followed by Local check (5038 kg/ha with 103 days to 50% flowering). **Among the test entries, four entries viz., IETs 32373, 32317, 33340 and 32325 recorded significant yield superiority against the best check (NC). Hence IETs 32373, 32317 and 32325 have been promoted to third year of testing in Medium Southern Elevation; and IET 33340 is promoted to second year of testing.**

Performance of superior test entries at Medium Southern Elevation in AVT 1& IVT - E (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 32373 NLCJ-7 (NLCJ-1416-138) Hokuchuk2 x Tripura Nirog	8538 92 LS
IET 32317 RCPL 1-463 RCPL 1-63/Bhalum 1	7846 95 -
IET 33340 RCPL 1-471 RCPL 1-117/Manipur/RCPL 1-450	7654 95 -
IET 32325 SKUA-599 Jhelum/IR-64/Jhelum	6885 87 -
Vivekdhan 86 (NC)	6077 87

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Shalimar Rice - 3 (ZC)	4885 88
Local check (LC)	5038 103
CD	771

High Elevation

At high elevation, the trial AVT 2 & 1 and IVT E (H) was conducted at three locations viz., Khudwani, Pombay and Larnoo. Mean grain yield ranged from 2945 kg/ha (IET 33340) to 7871 kg/ha (IET 33341), while, days to 50% flowering from 104 days (IET 32325 and Shalimar Rice - 3) to 122 days (IET 33335). Plant height ranged from 77 cm (IET 32317) to 126 cm (IET 33348) and number of panicles/m² from 187 (IET 33340) to 385 (IET 33341). Among the checks, local check recorded maximum grain yield (7161 kg/ha with 106 days to 50% flowering) followed by zonal check, Shalimar Rice-3 (6432 kg/ha with 104 days to 50% flowering). **Among the test entries, only one entry viz., IET 33341 recorded significant yield superiority against the best check (LC). Hence, IET 33341 has been promoted to second year of testing in High Elevation.**

Performance of superior test entries at High Elevation in AVT 1 & IVT E - (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 33341	7871
VL 33044	108
VL DHAN65/HPR-2147	LS
Vivekdhan 86 (NC)	6432
	116
Shalimar Rice- 3 (ZC)	5916
	104
Local check (LC)	7161
	106
CD	701

Three years' performance of entries IETs 31381, 31386 and 31389

Sl. No.	IET No./ Designation/ Cross Combination	Year	% Yield Advantage over BVC							
			Low Hills Northern		Low Hills Southern		Medium Hills Northern		Medium Southern	
			Zone	State	Zone	State	Zone	State	Zone	State
1	IET 31381 VL 32945 VL Dhan 87 / VL 32063	2023					4736 (2)	HP 4643 (2)	-	-
								UK 4167 (8)	-	-
		2024					4655 (2)	UK 5250 (3)		
		2025					4588 (3)	UK 4917 (4)		
2	IET 31386	2023						UK 4827 (3)	539 (1)	TN 6539

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	VL 32934								(1)
	VL Dhan 87 /	2024					4195 (5)	UK 5000	
	VL 31743	2025	4933	HP			4546 (4)	UK 5500	
			(2)	4933(2)				(1)	
3	IET 31389	2023					4557 (3)	UK 5556	
	VL 32933							(1)	
	VL Dhan 87 /	2024			5715 (2)		4372 (4)	UK 5500	
	VL 31743	2025					5194 (1)	UK 5167	
								(2)	

IET 31381 (VL 32945) derived from the cross VL Dhan 87 / VL 32063 showed yield superiority in the year 2023 over best check in Medium northern hills (Uttarkhand and Himachal Pradesh). During 2024, it also showed yield superiority over best check in medium northern zone in the state of Uttarkhand. The entry showed better performance than the best check in Medium Northern hills (Uttarkhand) during 2025. Overall, the entry perform well in medium northern zone particularly in Uttarkhand state for three years of testing. **Therefore, the entry IET 31381 is promising in Uttarkhand State under Medium Northern Hills.**

IET 31386 (VL 32934) derived from the cross VL Dhan 87 / VL 31743 showed yield superiority in the year 2023 over best check in Medium northern hills (Uttarkhand) and under medium southern (Tamil Nadu). During 2024, it also showed yield superiority over best check under medium northern zone in Uttarkhand. The entry showed better performance than the best check in Medium Northern hills (Uttarkhand) and Low Northern zone (Himachal Pradesh) during 2025. Overall, the entry perform well in medium northern zone particularly in Uttarkhand state for three years of testing. **Therefore, the entry IET 31386 is promising in Uttarkhand State under Medium Northern Hills.**

IET 31389 (VL 32933) derived from the cross VL Dhan 87 / VL 31743 showed yield superiority in the year 2023 over best check in Medium northern hills (Uttarkhand). During 2024, it also showed yield superiority over best check under medium northern zone in the state of Uttarkhand. It has shown better performance than the best check in Low southern hill zone. The entry showed better performance than the best check in Medium Northern hills (Uttarkhand) during 2025. Overall, the entry perform well in medium northern zone particularly in Uttarkhand state for three years of testing. **Therefore, the entry IET 31389 is promising in Uttarkhand State under Medium Northern Hills.**

List of test entries promoted to AVT 2 E - (H) and AVT 1 E - (H) is mentioned below:

Elevation	Entries promoted to AVT-2 E(H)	Entries promoted to AVT 1 E(H)
Low Northern		IET 33342
Medium Northern	IETs 32326 and 32317	IET 33347
Medium Southern	IETs 32373, 32317 and 32325	IET 33340
High elevation		IET 33341
Total	IETs 32317, 32325, 32326 and 32373	IETs 33340, 33341, 33342 and 33347

Table No. 28.1: Composition of entries in Advance Variety Trial 2 & 1 and Initial Variety Trial - Early (Hills) (AVT 2 & 1 & IVT - E (H)), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
3rd year of testing				
2301	31381	VL 32945 I	VL Dhan 87 / VL 32063	LS
2302	31389	VL 32933	VL Dhan 87 / VL 31743	LS
2303	31386	VL 32934	VL Dhan 87 / VL 31743	LS
2nd year of testing				
2304	32326	VL 32991	VL Dhan 81/HPR 2143	LS
2305	32373	NLCJ-7 (NLCJ-1416-138)	Hokuchuk2 x Tripura Nirog	LS
2306	32333	VL 33031	VL Dhan 87/UPR 3751-1-2	LB
2307	32317	RCPL 1-463	RCPL 1-63/Bhalum 1	
2308	VL DHAN-86 (NC)			
2309	32325	SKUA-599	Jhelum/IR-64//Jhelum	
1st year of testing				
2310	33332	NLCJ-5 (NLCJ-1408-295)	Tripura Nirog x Naveen	LS
2311	33333	SKUA-603	Jhelum/IR-42//Jhelum	
2312	33334	HPR 3302	HPR2868/HPR2216	MS
2313	33335	RCPL 1-473	Bhalum 1/Bhalum 3/RCPL 1-453	
2314	Shalimar-3 (ZC)			
2315	33336	SKUA-604	Jhelum/IR-1985//Jhelum///Jhelum	
2316	33337	HPR 3303	HPR2720/HPR2216	MB
2317	33338	RCPL 1-474	RCPL 1-27/Pusa44/N-89	
2318	33339	SKUA-608	Shalimar Sugandh-1xSKUA540	
2319	33340	RCPL 1-471	RCPL 1-117/Manipur/RCPL 1-450	
2320	33341	VL 33044	VL DHAN65/HPR-2147	LS
2321	33342	SKUA-610	Shalimar Sugandh-1xSKUA540	
2322	33343	VL 33100	Vivekdhani 62/BL 122	LB
2323	33344	SKUA-611	China-1039xSK-389	
2324	33345	VL 33102	Vivekdhani 62/BL 122	SB
2325	33346	SKUA-612	JhelumxSR-1	
2326	33347	VL 40946	VL 31484/Bas 1121	ELS
2327	33348	SKUA-614	K39xSR-3	
2328	Local check			

Table No. 28.2: Grain Yield (Kg/Ha) in AVT 2 & 1 & IVT - E (H), Kharif 2025

Entry No	IET No	HIGH				HIGH (3)		LOW NORTHERN	LOW SOUTHERN	MEDIUM NORTHERN		MEDIUM SOUTHERN	Jammu & Kashmir (4)		Overall Mean (8)										
		Jammu & Kashmir		Pombay_H	Mean	Himachal Pradesh	Karnataka	Jammu & Kashmir	Uttarakhand	Mean	Tamil Nadu	Mean													
		Khudwani_H	Larnoo_H																						
2301	31381	9015	3	6204	3	7204	3	7474	3	4533	4	3641		4259		4917	4*	4588	3*	4855		6671	2	5582	1
2302	31389	8529	7	5635	7	6035	7	6733	7	4333	6	2946		5222	3	5167	2*	5194	1*	6385	7	6355	5	5532	2
2303	31386	8998	4	6014	5	6114	5	7042	5	4933	2*	4177	3	3593		5500	1*	4546	4*	3846		6180	9	5397	3
2304	32326	7183		3886		6180	9	5750		1667		4018	5	3972		5073	3*	4523	6*	5231		5305		4651	
2305	32373	7235		4100		5250		5528		2733		3274		3250		3656	9	3453		8538	1*	4958		4754	
2306	32333	6680		3736		4736		5050		1867		3085		3713		4844	5*	4278	7	6500	6	4716		4395	
2307	32317	5788		3463		4713		4655		4867	3	4226	2	5426	1*	3656	9	4541	5*	7846	2*	4848		4998	6
2308	VL DHAN-86 (NC)	8166		5066		6066		6432		2333		3710		4148		3708	8	3928	10	6077	9	5861		4909	7
2309	32325	8425	9	5341	9	6141	10	6636	9	2400		3145		5185	4	719		2952		6885	4*	6273	6	4780	10
2310	33332							167		1270				3583		4344	7*	3964	9	5115		3583		2896	
2311	33333	9332	2	6341	2	7241	1	7638	2	3333	10	3829	10	3454		2125		2789		3077		6592	3	4842	9
2312	33334	6198		3525		5125		4949		3333		3869	9	3519		3490		3504		5000		4592		4257	
2313	33335	4354		3035		3635		3674		2867		3988	6	3259		2854		3057		6808	5	3571		3850	
2314	IC	7825		4611		5311		5916		2600		4048	4	4620		1438		3029		4885		5592		4417	
2315	33336	8488	8	5422	8	6272	6	6727	8	1733		4395	1	3694		2042		2868		4577		5969		4578	
2316	33337	7553		4530		5030		5704		3000		1835		4065		2052		3058		6192	8	5294		4282	
2317	33338	3436						3436		2000		3135		3981		2656		3319		3308		3709		3086	
2318	33339	7212		4100		5400		5571		3400	9	2480		4898	6	2677		3788		6038	10	5403		4526	
2319	33340	3452		2942		2942		2945		3467	8	2956		4685	10	3635		4160	8	7654	3*	3380		3904	
2320	33341	9895	1	6510	1	7210	2	7871	1*	2000		2659		3370		2760		3065		4846		6746	1	4906	8
2321	33342	8150		5064		6264	7	6492		5333	1*	2808		5343	2	2323		3833		4962		6205	7	5031	5
2322	33343	8215	10	5222	10	6222	8	6553	10	1333		3075		4926	5	2552		3739		5346		6146	10	4611	
2323	33344	8150		5072		6072		6431		1800		3978	7	4454		823		2638		4423		5937		4346	
2324	33345	8550	6	5735	6	6335	5	6873	6	1933		2867		4130		2688		3409		3269		6187	8	4438	
2325	33346	5440		3294		4144		4293		1333		2718		4769	9	1208		2988		3308		4412		3277	
2326	33347	7208		3901		5801		5637		3867	7	2460		4833	8	4729	6*	4781	2*	5000		5436		4725	
2327	33348	7939		4857		5157		5984		2533		3958	8	4880	7	2250		3565		5923		5708		4687	
2328	Local check	8776	5	6104	4	6605	4	7161	4	4400	5	3502		4148		3604		3876		5038		6408	4	5272	4
Experimental Mean		7415		4739		5662		5895		2861		3288		4264		3125		3694		5391		5430		4533	
CD(0.05)		1277		1276		1339		701		489		692		746		483		454		771		529		327	
CV(%)		8.38		13.07		11.48		5.79		8.32		10.27		8.53		7.54		5.98		6.97		4.75		3.52	
F val		14.71	**	6.51	**	5.25	**	28	**	57.04	**	10.02	**	6.87	**	65.22	**	19.34	**	27.99	**	30.23	**	34.53	**
DOS		03-05-2025		05-05-2025		04-05-2025		13-06-2025		25-06-2025		22-05-2025		25-05-2025		22-05-2025		22-05-2025		10-07-2025					
DOP		05-06-2025		08-06-2025		07-06-2025		08-07-2025		26-08-2025		24-06-2025		24-06-2025		18-07-2025				08-08-2025					
Local Check Name		Shalimar Rice 4	Shalimar Rice 4	Shalimar Rice 4		Shalimar Rice 4		HPR 1068		Tunga		K-39		VLD 89						CO-55					

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Table No. 28.2 (Contd.): Grain Yield (Kg/Ha) in AVT 2 & 1 & IVT - E (H), Kharif 2025 (Not considered)

Entry No	IET No	HIGH		LOW NORTHERN				MEDIUM NORTHERN	
		Meghalaya		Himachal Pradesh				Himachal Pradesh	
		@Upper shillong_H		@Sundernagar_H		@Dhaulakaun_H		@Palampur_H	
2301	31381	1700		3100	2	3410	1	2700	2
2302	31389	2540	6	2500	8	2425	7	1800	
2303	31386	2060		3100	2	1960		1650	
2304	32326	1340		1200		1710		2000	10
2305	32373	1710		3400	1	2375	8	2300	5
2306	32333	1505		2000		1950		3050	1
2307	32317	1480		1700		2550	4	2600	3
2308	VL DHAN-86 (NC)	2530	8	2000		2060		1650	
2309	32325	2530	8	1100		1675		2200	8
2310	33332	900		600					
2311	33333	1255		1600		1925		1350	
2312	33334	1050		2500	8	1700		2500	4
2313	33335	2590	5	3100	2	2485	6	1700	
2314	ZC	2075		1700		2625	3	1400	
2315	33336	1450		1500		1575		1550	
2316	33337	2755	3	1900		1425		1650	
2317	33338	1055		1300				1850	
2318	33339	1400		2700	7	2185	9	1300	
2319	33340	1505		1600		1850		2100	9
2320	33341	2660	4	2100	10	2185	9	1400	
2321	33342	1270		1600		1635		1450	
2322	33343	2510	10	1500		1175		1950	
2323	33344	2535	7	1900		1850		2250	6
2324	33345	1715		1000		885		1450	
2325	33346	545		1100		1275		1700	
2326	33347	565		3100	2	2500	5	1300	
2327	33348	3155	1	2000		1610		1650	
2328	Local check	2940	2	2800	6	2925	2	2250	6
Experimental Mean		1833		1989		1997		1880	
CD(0.05)		486		254		306		478	
CV(%)		12.93		6.22		7.45		12.36	
F val		19.24**		74.12**		28.93**		8.18**	
DOS		09-05-2025		02-06-2025		06-12-2025		09-06-2025	
DOP		19-06-2025		25-06-2025		07-11-2025		03-07-2025	
Local Check Name		meg-2		HPR 1068		HPR 1068		HPR 2143	

Table No. 28.3: DFF, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT - E (H), Kharif 2025

Entry No	IET No	HIGH									HIGH (3)		
		Jammu & Kashmir									Mean		
		Khudwani_H			Larnoo_H			Pombay_H					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2301	31381	110	98	421	118	84	309	116	92	336	114	92	355
2302	31389	110	97	400	118	82	299	114	92	337	114	90	345
2303	31386	108	92	410	118	78	298	114	88	328	113	86	345
2304	32326	103	109	341	114	92	241	110	102	330	109	101	304
2305	32373	114	93	304	122	72	249	120	82	280	119	82	278
2306	32333	114	91	347	122	81	216	118	86	276	118	86	280
2307	32317	113	83	329	122	70	239	119	78	249	118	77	272
2308	VL DHAN-86 (NC)	109	123	339	122	104	259	116	117	288	116	115	296
2309	32325	100	117	378	108	102	291	104	111	307	104	110	325
2310	33332												
2311	33333	102	113	392	116	98	311	108	107	350	109	106	351
2312	33334	108	116	324	122	100	238	116	110	265	115	109	276
2313	33335	118	96	290	126	81	200	122	90	231	122	89	240
2314	ZC	98	126	348	111	103	241	105	117	266	104	115	285
2315	33336	98	122	380	112	106	282	106	116	312	106	115	325
2316	33337	108	124	333	120	105	262	114	118	272	114	116	289
2317	33338	119	78	235							119	78	235
2318	33339	111	89	332	120	77	252	116	84	275	116	83	286
2319	33340	115	90	246	124	77	148	119	82	168	119	83	187
2320	33341	102	125	449	116	106	333	108	119	373	108	117	385
2321	33342	104	88	361	120	71	264	115	78	294	113	79	307
2322	33343	102	121	352	115	103	277	109	112	295	109	112	308
2323	33344	106	133	388	117	113	262	112	126	294	112	124	315
2324	33345	102	133	384	115	112	286	110	127	313	109	124	327
2325	33346	109	118	336	120	103	222	114	111	232	114	111	263
2326	33347	110	120	346	123	106	257	120	113	287	117	113	297
2327	33348	108	133	356	120	117	250	114	128	272	114	126	292
2328	Local check	100	126	388	112	106	288	107	119	344	106	117	340
Experimental Mean		107	109	352	118	94	260	113	104	291	113	102	300
Standard Error		0.72			0.71			0.8			0.44		

Table No. 28.3 (Contd.): DFF, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT - E (H), Kharif 2025

Entry No	IET No	LOW NORTHERN			LOW SOUTHERN			MEDIUM NORTHERN					
		Himachal Pradesh			Karnataka			Jammu & Kashmir			Uttarakhand		
		Malan H			Ponnampet H			Rajouri H			Almora H		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2301	31381	84	94	245	101	88	274	91	125	418	98	92	228
2302	31389	90	94	260	88	84	304	89	158	481	98	81	236
2303	31386	89	92	245	94	66	320	102	128	281	96	84	296
2304	32326	90	97	210	90	68	299	106	130	334	100	90	222
2305	32373	100	86	168	94	74	308	118	113	253	104	98	219
2306	32333	99	85	220	92	88	374	104	111	291	108	98	230
2307	32317	106	102	250	91	68	366	98	137	539	102	92	286
2308	VL DHAN-86 (NC)	81	77	178	93	94	292	101	144	374	97	118	216
2309	32325	81	89	212	84	98	300	104	115	476	97	94	146
2310	33332				85	94	324	96	138	255	116	89	221
2311	33333	81	98	200	90	72	367	92	107	268	98	94	172
2312	33334	82	109	250	90	92	263	102	147	272	98	108	249
2313	33335	110	92	235	94	96	240	122	144	258	116	102	260
2314	ZC	77	106	238	96	90	302	115	137	422	96	115	180
2315	33336	78	109	270	90	84	366	98	124	286	94	90	152
2316	33337	89	108	232	86	80	388	86	112	341	98	98	174
2317	33338	111	91	265	90	77	294	110	109	317	114	91	262
2318	33339	103	84	278	88	74	304	100	136	463	104	82	258
2319	33340	109	92	228	94	78	294	100	145	434	116	101	265
2320	33341	90	92	248	94	71	305	110	110	265	98	93	248
2321	33342	89	75	270	94	72	275	100	121	487	98	72	216
2322	33343	80	103	218	90	96	267	92	102	465	98	112	218
2323	33344	79	82	228	91	90	299	96	147	426	98	82	98
2324	33345	81	105	175	90	78	319	88	100	346	97	100	208
2325	33346	70	97	218	88	86	320	106	106	437	96	93	168
2326	33347	88	110	158	97	94	275	94	98	443	100	112	196
2327	33348	90	110	185	92	80	370	98	144	451	98	115	164
2328	Local check	87	84	282	102	104	299	90	135	390	100	100	270
Experimental Mean		89	94	228	91	83	311	100	125	374	101	96	216
Standard Error		0.65			0.32			5.15			0.5		

Table No. 28.3 (Contd.): DFF, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT - E (H), Kharif 2025

Entry No	IET No	MEDIUM NORTHERN (2)			MEDIUM SOUTHERN			Jammu & Kashmir (4)			Overall Mean (8)		
		Mean			Tamil Nadu			Mean			Mean		
		DFF	PH	PAN	Gudalur H			DFF	PH	PAN	DFF	PH	PAN
2301	31381	95	108	323	92	120	372	108	100	371	101	99	325
2302	31389	94	120	359	92	84	478	108	107	379	100	97	349
2303	31386	99	106	289	92	76	452	110	97	329	102	88	329
2304	32326	103	110	278	90	88	487	108	108	312	101	97	308
2305	32373	110	105	236	92	85	452	118	90	272	108	88	279
2306	32333	106	104	260	95	90	361	114	92	282	106	91	289
2307	32317	100	114	412	95	82	462	113	92	339	106	89	340
2308	VL DHAN-86 (NC)	99	131	295	87	96	424	112	122	315	101	109	296
2309	32325	100	104	311	87	101	373	104	111	363	96	103	310
2310	33332	106	114	238	86	80	366	96	138	255	96	100	292
2311	33333	95	100	220	84	85	534	105	106	330	96	97	324
2312	33334	100	128	260	92	100	507	112	118	275	101	110	296
2313	33335	119	123	259	100	82	414	122	103	245	113	98	266
2314	ZC	106	126	301	88	120	372	107	121	319	98	114	296
2315	33336	96	107	219	86	100	354	104	117	315	95	106	300
2316	33337	92	105	258	90	106	432	107	115	302	99	106	304
2317	33338	112	100	289	102	85	360	114	94	276	108	89	289
2318	33339	102	109	360	95	71	458	112	96	330	105	87	328
2319	33340	108	123	350	95	84	416	114	98	249	109	94	275
2320	33341	104	102	256	87	88	400	109	115	355	101	101	328
2321	33342	99	96	352	88	68	413	110	89	352	101	81	323
2322	33343	95	107	341	86	103	358	105	110	347	97	107	306
2323	33344	98	115	262	87	102	442	108	130	343	98	110	305
2324	33345	92	100	277	87	94	390	104	118	332	96	106	302
2325	33346	102	100	302	80	97	380	112	109	306	98	101	289
2326	33347	97	105	320	90	92	310	112	109	333	103	106	284
2327	33348	98	130	308	88	115	291	110	131	332	101	118	292
2328	Local check	95	118	330	103	78	362	102	122	353	100	107	328
Experimental Mean		101	111	295	90	91	407	109	109	318	101	100	305
Standard Error		2.62			1.5			1.57			0.74		

Table No. 28.3 (Contd.): DFF, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT - E (H), Kharif 2025 (Not considered)

Entry No	IET No	HIGH			LOW NORTHERN						MEDIUM NORTHERN		
		Meghalaya			Himachal Pradesh						Himachal Pradesh		
		@Upper shillong_H			@Sundernagar_H			@Dhaulakaun_H			@Palampur_H		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2301	31381	118	76	149	82	106	271	90	112	317	102	84	250
2302	31389	122	72	172	74	110	253	91	105	314	102	81	339
2303	31386	120	85	190	86	106	274	90	104	420	103	79	319
2304	32326	116	71	152	78	97	182	90	112	414	102	89	354
2305	32373	121	69	146	88	110	286	97	116	228	103	87	289
2306	32333	118	76	159	76	101	222	98	106	339	108	83	334
2307	32317	126	96	174	92	107	219	102	112	606	113	84	244
2308	VL DHAN-86 (NC)	116	97	164	74	123	230	92	107	374	99	92	225
2309	32325	118	85	159	63	127	192	86	120	518	93	93	288
2310	33332	129	85	115	101	108	188						
2311	33333	103	85	146	68	107	214	83	99	262	89	85	282
2312	33334	120	79	159	74	116	237	90	117	567	98	102	318
2313	33335	128	78	167	96	114	282	102	111	444	104	82	353
2314	ZC	116	85	175	62	126	232	81	118	370	90	101	326
2315	33336	109	74	158	67	119	188	86	114	439	90	90	270
2316	33337	119	84	190	82	113	226	85	104	531	98	97	250
2317	33338	121	66	160	96	85	218				113	80	323
2318	33339	122	61	146	90	102	196	97	92	578	110	76	322
2319	33340	129	74	144	88	98	188	105	112	588	110	80	302
2320	33341	120	89	168	70	117	216	87	102	408	96	87	324
2321	33342	122	62	155	70	89	207	86	90	438	95	68	299
2322	33343	122	86	202	61	125	189	89	109	288	92	97	259
2323	33344	126	97	165	70	117	237	88	114	464	96	90	316
2324	33345	121	81	120	66	123	197	86	107	332	92	98	241
2325	33346	120	79	60	62	112	210	84	86	482	98	80	279
2326	33347	116	99	70	85	142	286	95	125	240	103	101	278
2327	33348	116	97	242	74	127	168	91	122	330	102	98	208
2328	Local check	120	82	244	74	99	195	87	106	310	98	80	297
Experimental Mean		119	81	158	77	111	221	90	108	407	99	87	292

Table No. 28.4: Grain quality characteristics of entries in AVT 2 & 1 & IVT - E (H), Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1277	2301	31381	75.5	64.8	48.4	6.91	2.10	3.29	LS	VOC	7.0	23.34	22
1278	2302	31389	78.8	68.6	53.9	6.73	1.98	3.39	LS	VOC	4.0	26.63	48
1279	2303	31386	79.0	65.8	45.9	6.38	1.96	3.25	LS	VOC	4.0	25.60	64
1280	2304	32326	78.8	67.4	45.3	6.74	2.01	3.35	LS	A	3.0	28.3	42
1281	2305	32373	76.4	67.5	54.9	5.72	2.23	2.56	MS	VOC	7.0	25.72	50
1282	2306	32333	75.7	64.9	56.4	7.19	1.96	3.66	LS	A	7.0	28.10	27
1283	2307	32317	78.5	70.1	62.4	6.71	2.12	3.16	LS	VOC	4.0	26.69	50
1284	2308	VL Dhan - 86(NC)	78.9	66.0	56.0	5.23	2.46	2.12	SB	VOC	4.0	24.64	34
1285	2309	32325	74.6	60.8	31.3	5.48	2.00	2.74	MS	VOC	7.0	28.70	26
1286	2314	SHALIMAR-3	77.4	68.4	54.6	5.51	2.48	2.22	SB	VOC	4.0	25.52	22
1287	2328	L.C	78.7	69.0	62.5	6.46	2.16	2.99	LB	A	4.0	27.95	28
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

**ADVANCE VARIETY TRIAL 2 & 1 & INITIAL VARIETY TRIAL (IVT)
- MEDIUM (HILLS) [AVT 2 & 1 & IVT - M (H)]**

Locations: 17

Test Entries: 31

Checks: Vivekdhan 62 (NC), VL Dhan 68 (ZC for North & South), RC Maniphou-11 (ZC for North East) and Local check (LC)

Table: 29

AVT 2, 1 and IVT – M (H) trial was constituted with 31 entries including 28 test entries, 3 checks – Vivekdhan 62 (NC), VL Dhan 68 (ZC for North and South) and RC Maniphou-11 (North East), a Local Check. Out of 28 test entries, one entries (IET 31413) was in third year of testing; 9 entries (IET 32350, IET 32340, IET 32354, IET 32356, IET 32343, IET 32347, IET 32344, IET 32351 and IET 32349) were in second year of testing while 18 were in first year of testing. The trial was sent to 17 locations of various altitudes and data was received from 15 locations and remaining two locations viz., Badarwa and Pombay did not conduct the trial.

Further, 3 locations data were not considered for analysis due to low grain yield, low and high CV ((Barapani Umiam -ICAR, Wangbal and Gangtok). The data from remaining 14 locations (Khudwani, Wadura, Sundernagar, Malan, CAU-Imphal, Lamphelpat-ICAR, Wangbal, Sirsi, Rajouri, Almora-ICAR, Gudaluru, Upper Shilong. CAU Barapani, Umiam Barapani ICAR) was considered for analysis and inferences were drawn. Overall, grain mean yield ranged from 3063 kg/ha (NC) to 5592 kg/ha (IET 32340) and average yield was 4209 kg/ha; days to 50% flowering from 83 days (IET 33359) to 114 days (IET 33358); plant height from 96 cm (IET 31413& 33354) to 127 (NC) and number of panicles/m² from 240 (ZC) to 336 (IET 31413). **On overall mean grain yield, two entries namely, IET 32340, and IET 31413 outperformed the best check local check (LC).** The data pertaining to yield, flowering, plant height and panicles/m² and quality were presented in tables 24.2 and 24.3. Performance of the test entries at different elevations was discussed below.

High Altitude (951-1500 SL)

AVT 2 & 1 and IVT – M (H) trial was sent to 5 locations Viz., Khudwani, Pombay, Wadura, Badarwa and Upper Shillong under high altitude region, but the data from Pombay and Badarwa was not received. Hence data from Khudwani, Wadura and Upper Shillong was used for analysis.

The mean grain yield at high altitude northern was 5670 kg/ha and it ranged from 1617 kg/ha (IET 33358) to 8487 kg/ha (IET 32340); days to 50% flowering varied between 93 days (IET 33359) to 138 days (IET 33355); Plant height varied from 80 cm (IET 32349) to 125 cm (Vivekdhan 62 [NC]); number of panicles ranged from 133 (ZC) to 366 (IET 32340). Among the test entries, two test entries viz., IET 32340, and IET 31413 recorded significant yield advantage over best check (local check). One entry in AVT 2, IET 31413 recorded significant yield advantage over best check (local check). Hence one entry IET 32340 **may be promoted to AVT 2 M (H) for final year of testing under high altitude region.** None of the entries in IVT was showed significant yield advantage over the best check.

Performance of superior test entries at High Altitude in AVT 1 & 2 - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 32340 NLCJ-4 (NLCJ-1410-131) Tripura Nirog x Naveen	8487 105 LS
IET 31413 VL 32935 VL Dhan 87 / VL 31743	7851 112 LS
Vivekdhan 62 (NC)	3025 120
ZC	2019 126
LC	6851 106

Low Altitude Northern (≤ 950 MSL)

AVT 2,1 and IVT-M (H) trial was sent to seven locations and all the seven locations conducted the trial and sent the data. The data from Wangbal and Barapani Umiam-ICAR, not considered for analysis due to low CV (1.12%) and low mean yield (**2052** kg/ha) respectively. The data from remaining five locations viz., Sundernagar, Malan, CAU Imphal, Lamphelpat-ICAR, and CAU Barapani was considered for analysis. The mean grain yield of the entries ranged from 2634 kg/ha (IET 33366) to 5816 kg/ha (IET 32343); days to 50% flowering varied from 74 days (IET 33359) to 113 days (IET 33355); Plant height varied from 103 cm (IET 32354) to 134 cm (IET 33364); number of panicles ranged from 212 (IET 33359) to 311 (IET 31413). Among the checks, Local check recorded highest grain yield of 4611 kg/ha.

Among the test entries, seven test entries viz., IET 32343, IET 32354, IET 33360, IET 33350, IET 32340, IET 33354 and IET 32344 recorded significant yield advantage over best check Local check (LC). None of the entries in AVT2 was showed significant yield advantage over the best check and Four entries from AVT1 and three entries from IVT showed significant yield advantage over the best check.

Hence IETs 32340, 32354, 32343 and 32344 may be promoted to AVT 2 M (H) for final year of testing and IETs 33350, 33354 and 33360 may be promoted to AVT 1 M (H) for second year of testing under Low Altitude Northern region.

Performance of superior test entries at Low Altitude Northern in AVT 1 & IVT - M (H) during Kharif 2025.

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 32340 NLCJ-4 (NLCJ-1410-131) Tripura Nirog x Naveen	5408 107 LS
IET 32354 RCPL 1-462 RCPL 1-71/Shahsarang	5724 104
IET 32343 NLCJ-2 (NLCJ-1413-189) Hokuchuk2 x Tripura Nirog	5816 105 LS
IET 32344 RCPL 1-466 Kba Lieh/Bhalum 3	5154 104
IET 33350 VL 33016 VL Dhan 86/HPR 2143	5486 108 LS
IET 33354 CAUS 136 (ULRC 49-4-2-1) CAU 103/UPR 13908-18-2-1-1	5373 105 LS
IET 33360 NLCJ-6 (NLCJ-1432-395) Gomati x Tripura Nirog	5491 100 LS
Vivekdhan 62 (NC)	2761 97
ZC	4204 104
LC	4611 101

Low Altitude Southern (≤ 950 MSL)

The trial was sent to only one location Viz., Sirsi under low altitude southern region. Among the test entries, seven test entries recorded significant yield advantage over best check Local check (LC). None of the entries in AVT2 was showed significant yield advantage over the best check and one entry (IET 32349) from AVT1 and six entries (IETs 33361, 33358, 33363, 33355, 33354 and 33366) from IVT showed significant yield advantage over the best check.

Hence, IET 32349 may be promoted to AVT 2 M (H) for third year of testing and IETs 33361, 33358, 33363, 33355, 33354 and 33366 promoted to AVT 1 M (H) for second year of testing under Low Altitude Southern region.

Performance of superior test entries at Low Altitude Southern in AVT 1 & IVT - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 32349	4775
CAU-R6	118
CAU-R1/Akhanphou	
IETs 33361	5402
RCPL 1-475	107
Bhalum 5/Pusa Sambha 1850	
IETs 33358	4242
RCPL 1-470	107
Shahsarang/Pusa Sambha 1850	
IETs 33363	4115
SKUA-615	79
Jhelum/IR-64//Jhelum///Jhelum	
IETs 33355	3670
VPSY30-H	107
SWARNA/2013NSNH-71(22272)	
IETs 33354	3600
CAUS 136 (ULRC 49-4-2-1)	104
CAU 103/UPR 13908-18-2-1-1	LS
IETs 33366	3445
SJHR 9	86
(K343/RML 22)	
Vivekdhan 62 (NC)	1990
	98
ZC	1480
	92
LC	2540
	96

Medium Altitude Northern (951-1500 MSL)

AVT 2 & 1 and IVT M (H) trial was sent to 3 locations viz., Rajouri, Almora and Gangtok and data was received from all 3 locations. The data from Gangtok (2181 kg/ha) showed low experimental yield, and hence not considered for analysis. The data from remaining two locations viz., Rajouri and Almora was considered for analysis. The mean grain yield at medium altitude northern was 3665 kg/ha and ranged from 2102 kg/ha (IET 33366) to 4884 kg/ha (IET 32350); and days to 50% flowering varied between 90 days (IET 33359) and 114 days (IET 33357). Among the checks, national check (NC) recorded highest grain yield of 3942 kg/ha with 100 days to 50% flowering.

Five test entries namely, IET 31413, IET 32350, IET 32340, 33350 and IET 33360 out yielded the best check (local check). One entry, IET 31413 in AVT 2 was showed significant yield advantage over the best check. Two entries IET 32350 and IET 32340 was showed significant yield advantage over the best check in AVT 1. Hence IET 32350 and IET 32340 promoted to AVT 2 M (H) for final year of testing under Medium Altitude Northern region. Two entries namely, IET 33350 and IET 33360, in IVT were showed significant yield

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advantage over the best check. Hence the entries, IET 33350 and IET 33360, may be promoted to AVT 1 M (H) for second year of testing under Medium Altitude Northern region.

Performance of superior test entries at Medium Altitude Northern in AVT 2 & 1 and IVT - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 31413 VL 32935 VL Dhan 87 / VL 31743	4704 105 LS
IET 32350 VL 33016 VL Dhan 86/ HPR 2143	4884 100 LB
IET 32340 NLCJ-4 (NLCJ-1410-131) Tripura Nirog x Naveen	4515 103 LS
IET 33350 NLCJ-3 (NLCJ-1438-308) Gomati x Tripura Nirog	4797 100 LS
IET 33360 NLCJ-6 (NLCJ-1432-395) Gomati x Tripura Nirog	4696 112 LS
Vivekdhan 62 (NC)	3942 100
ZC	3421 110
LC	3671 103

Medium Altitude Southern (951-1500 MSL)

AVT 2 & 1 and IVT - M (H) trial was sent to only one location viz., Gudaluru in Tamil Nadu. The mean grain yield at medium altitude southern was 5001 kg/ha and ranged from 1538 kg/ha (IET 32356) to 7769 kg/ha (IET 32344); and days to 50% flowering varied between 84 days (IETs 33362 and 33363) to 110 days (LC). Among the checks, local check recorded highest grain yield of 5623 kg/ha with 110 days to 50% flowering. Eight test entries out yielded the best check (local check), One entry, IET 31413 in AVT2 showed significant yield advantage over the best check. Three entries IET 32344, IET 32351 and IET 32349 showed significant yield advantage over the best check in AVT 1. Hence, IET 32344 IET 32351 and IET 32349 promoted to AVT 2 M (H) for final year of testing under Medium Altitude Northern region. Four entries namely, IET 33349, IET33357, IET 33358 and IET 33361 in IVT were showed significant yield advantage over the best check. Hence, the entries, IET 33349, IET33357, IET 33358 and IET 33361, may be promoted to AVT 1 M (H) for second year of testing under Medium Southern altitude.

Performance of superior test entries at Medium Altitude Southern in AVT 2 & 1 and IVT - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type
IET 31413 VL 32935 VL Dhan 87 / VL 31743	7000 98 LS
IET 32344 RCPL 1-466 Kba Lieh/Bhalum 3	7769 96
IET 32351 SKUA-594 JhelumxVL-Dhan-85	7423 88
IET 32349 CAU R6 CAU-R1/Akhanphou	6731 104
IET 33349 CAUS 135 (ULRC 52-SSD-4-2-1) CAUS 103/HPR 2921	7615 102 LS
IET33357 VL 40917 VL-31486/VL-30926	6731 88 ELS
IET 33358 RCPL 1-470 Shahsarang/Pusa Sambha 1850	6269 102
IET 33361 RCPL 1-475Bhalum 5/Pusa Sambha 1850	7438 104
Vivekdhan 62 (NC)	4000 96
ZC	3077 87
LC	5623 110

Performance of superior test entries at High Altitude in AVT 2 - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type	% yield superiority over (NC, ZC, LC)	Quality data HRR (%) / AC (%) /GC(mm) / ASV
IET 31413 VL 32935 VL Dhan 87 / VL 31743	7851 112 LS	159 288 14.59	
Vivekdhan 62 (NC)	3025 120		
ZC	2019 126		
LC	6851 106		

Performance of superior test entries at Medium Altitude Northern in AVT 2 - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type	% yield superiority over (NC, ZC, LC)	Quality data HRR (%) / AC (%) / GC (mm) / ASV
IET 31413 VL 32935 VL Dhan 87 / VL 31743	4704 105 LS	19.33 37.50 28.13	
Vivekdhan 62 (NC)	3942 100		
ZC	3421 110		
LC	3671 103		

Performance of superior test entries at Medium Altitude Southern in AVT 2 - M (H) during Kharif 2025

IET No. / Designation / Cross Combination	Grain Yield (Kg/ha) Days to 50% Flowering Grain type	% yield superiority over (NC, ZC, LC)	Quality data HRR(%) / AC (%) / GC (mm) / ASV
IET 31413 VL 32935 VL Dhan 87 / VL 31743	7000 98 LS	75 127 24.48	
Vivekdhan 62 (NC)	4000 96		
ZC	3077 87		
LC	5623 110		

Three year's performance of entry IET 31413

IET No. / Designation / Cross Combination	Year	% Yield Advantage over BVC							
		Low Hills Northern		Medium Hills Northern		Medium Southern		High Hills	
		Zone	State	Zone	State	Zone	State	Zone	State
IET 31413 VL 32935 VL Dhan 87 / VL 31743	2023	-	-	Medium Northern	-	-	-		
	2024	Low Northern	-	Medium Northern	UK	-	-		
	2025	-	-	Medium Northern	UK	Medium Southern	TN	High Hills	J&K Meghalaya

IET 31413 (VL 32935) derived from the cross VL Dhan 87 / VL 31743 showed yield superiority over best check in **Medium Hills Northern** during 2023. The entry has shown better performance than best check in Medium northern hills (Uttarkhand) and lower hills of Northern during 2024. The entry showed better performance than the best check in Medium northern hills (Uttarkhand), Medium Southern (Tamil Nadu) and High Hills (Jammu and Kashmir and Meghalaya) during 2024. The entry did perform well in Uttarkhand state for at least two years of testing. **Therefore, the entry IET 31413 is promising in Uttarkhand State only in Medium Hills Northern.**

List of entries promoted to AVT 1 - M (H)

Overall basis	
Low northern(≤ 950 MSL)	IETs 33350, 33354 and 33360
Low southern (≤ 950 MSL)	IETs 33361, 33358, 33363, 33355, 33354 and 33366
Medium northern (951-1500 MSL)	IET 33350 and IET 33360
Medium southern (951-1500 MSL)	IET 33349, IET33357, IET 33358 and IET 33361
High altitude (≥ 1501 MSL)	-

List of entries promoted to AVT 2 - M (H)

Overall basis	IET 32340
Low northern(≤ 950 MSL)	32340, 32354, 32343 and 32344
Low southern (≤ 950 MSL)	IET 32349
Medium northern(951-1500 MSL)	IET 32350 and IET 32340
Medium southern(951-1500 MSL)	IET 32344 IET 32351 and IET 32349
High altitude (≥ 1501 MSL)	IET 32340

Table No. 29.1: Composition of entries in Advance Variety Trial 2&1 and Initial Variety Trial - Medium (Hills) (AVT 2 & 1 & IVT - M (H)), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
3rd year of testing				
2401	31413	VL 32935	VL Dhan 87 / VL 31743	LS
2nd year of testing				
2402	32350	VL 33016 IET 32350	VL Dhan 86/HPR 2143	LB
2403	32340	NLCJ-4 (NLCJ-1410-131)	Tripura Nirog x Naveen	LS
2404	32354	RCPL 1-462	RCPL 1-71/Shahsarang	
2405	32356	SKUA-590	VL-Dhan-206xChina-1039	
2406	VIVEK DHAN-62 (NC)			
2407	32343	NLCJ-2 (NLCJ-1413-189)	Hokuchuk2 x Tripura Nirog	LS
2408	32347	SKUA-592	Jhelum/SR-1//Jhelum	
2409	32344	RCPL 1-466	Kba Lieh/Bhalum 3	
2410	32351	SKUA-594	JhelumxVL-Dhan-85	
2411	32349	CAU R6	CAU-R1/Akhanphou	
1st year of testing				
2412	33349	CAUS 135 (ULRC 52-SSD-4-2-1)	CAUS 103/HPR 2921	LS
2413	33350	NLCJ-3 (NLCJ-1438-308)	Gomati x Tripura Nirog	LS
2414	33351	SKUA-605	Jhelum/IR-1985//Jhelum///Jhelum	
2415	33352	HPR 3304	HPR2512/HPR1149//HPR11	MS
2416	33353	SKUA-606	IR-61336/Jhelum//Jhelum	
2417	33354	CAUS 136 (ULRC 49-4-2-1)	CAU 103/UPR 13908-18-2-1-1	LS
2418	VL DHAN-68 (North and South) & RC-Maniphou-11 (North and East) - ZC			
2419	33355	VPSY30-H	SWARNA/2013NSNH-71(22272)	
2420	33356	NLCJ-1 (NLCJ-1420-171)	Hokuchuk2 x Naveen	LS
2421	33357	VL 40917	VL-31486/VL-30926	ELS
2422	33358	RCPL 1-470	Shahsarang/Pusa Sambha 1850	
2423	33359	SKUA-613	ChenabxIR-24	
2424	33360	NLCJ-6 (NLCJ-1432-395)	Gomati x Tripura Nirog	LS
2425	33361	RCPL 1-475	Bhalum 5/Pusa Sambha 1850	
2426	33362	VL 40953	VL-40189/VL-30928	ELS
2427	33363	SKUA-615	Jhelum/IR-64//Jhelum///Jhelum	
2428	33364	VL 40956	VL-40189/VL-31486	ELS
2429	33365	SKUA-616	Jhelum/IR-1985//Jhelum///Jhelum	
2430	33366	SJHR 9	(K343/RML 22	
2431	Local check			

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Table No. 29.2: Grain yield (Kg/Ha) in AVT 2 & 1 & IVT - M (H), Kharif 2025

Entry No	IET No	HIGH								HIGH (3)	LOW NORTHERN				
		Jammu & Kashmir		Jammu & Kashmir (2)		Meghalaya		Himachal Pradesh							
		Khudwani H	Wadura H	Mean		Upper Shillong H		Mean			Sundernagar H	Malan H			
2401	31413	9137	2	8125	3	8631	3*	6290	1*	7851	2*	2130		5400	1*
2402	32350	8357	6	7946	5	8151	5	3806	9	6703	5	2160		4833	7
2403	32340	8956	4	8019	4	8487	4			8487	1*	6750	4*	5000	4
2404	32354	5038		4134		4586		2333		3835		6960	2*	5133	2
2405	32356	9277	1	8573	1*	8925	1*	640		6163	7	2510		2133	
2406	VIVEK DHAN-62 (NC)	4833		3929		4381		312		3025		1800		1267	
2407	32343	5346		4321		4833		2866		4177		6440	6*	5000	4
2408	32347	9102	3	8245	2	8673	2*	3640	10	6995	3	5800	10*	1933	
2409	32344	4000		3298		3649		4274	5	3857		6270	8*	4067	
2410	32351	5593		5195		5394		4183	6	4990		1750		3200	
2411	32349							4086	8	4086		5540	*	633	
2412	33349	2277				2277		5446	2	3862		2710		4733	9
2413	33350	4075		1985		3030		2118		2726		6860	3*	5133	2
2414	33351	7620	9	7024	9	7322	9	1677		5441		1990		3600	
2415	33352	7533		6936	10	7235		2839		5769	9	4070		1400	
2416	33353	8096	7	7356	7	7726	7	4145	7	6532	6	5410	*	3467	
2417	33354	4290		3292		3791		4667	3	4083		6750	4*	3467	
2418	ZC	2968		2685		2826		403		2019		4430		4800	8
2419	33355							2140		2140		2820		767	
2420	33356	5395		4845		5120		3048		4429		4330		4933	6
2421	33357	6590		5797		6193		806		4398		4640		3933	
2422	33358	1986		1676		1831		1188		1617		6240	9*	3267	
2423	33359	7388		6473		6930		2306		5389		1880		2867	
2424	33360	4763		4170		4466		2194		3709		6280	7*	4067	
2425	33361	2683		1581		2132		3344		2536		5120	*	4733	10
2426	33362	7076		5954		6515		1796		4942		4550		3800	
2427	33363	5709		5115		5412		1425		4083		2670		1533	
2428	33364	5240		5282		5261		1360		3961		3330		3933	
2429	33365	7717	8	7035	8	7376	8	3419		6057	8	7080	1*	2733	
2430	33366	7583	10	6894		7238	10	2108		5528	10	1980		733	
2431	Local check	8597	5	7455	6	8026	6	4500	4	6851	4	3860		1267	
Experimental Mean		6111		5476		5739		2779		4717		4358		3347	
CD(0.05)		1246		1112		546		1067		614		567		457	
CV(%)		9.96		9.9		4.65		18.77		6.37		6.37		6.69	
F val		26.12**		30.66**		132.89**		17.03**		65.18**		91.39**		92.28**	
DOS		03-05-2025		04-05-2025				09-05-2025				04-06-2025		09-06-2025	
DOP		04-06-2025		06-06-2025				19-06-2025				28-06-2025		04-07-2025	
Local Check Name		Shalimar Rice 4		Shalimar Rice 4				meg2				HPR 2143		HPR 2143	

Table No. 29.2 (Contd.): Grain yield (Kg/Ha) in AVT 2 & 1 & IVT - M (H), Kharif 2025

Table No. 2012 (Contd.): Grain yield (kg/ha) in N V P & P & V P (N), Kharif 2020															
Entry No	IET No	LOW NORTHERN								LOW	LOW SOUTHERN				
		Himachal Pradesh (2)		Meghalaya		Manipur		Manipur (2)		NORTHERN (5)	Karnataka				
		Mean	CAU-Barpani_H	CAU-Imphal_H	Lamphelpat_H	Mean	Mean	Mean	Sirsi_H						
2401	31413	3765		3708	6267	8	5667	5967	9	4634		2410			
2402	32350	3497		3700	6433	7	5533	5983	8	4532		2375			
2403	32340	5875	3*	3458	5367		6467	5917		5408	5*	2465			
2404	32354	6047	1*	3758	6767	5	6000	7	6383	5	5724	2*	2710		
2405	32356	2322		2779	3767		3333	3550		2904		2300			
2406	VIVEK DHAN-62 (NC)	1533		3504	2500		4733	3617		2761		1990			
2407	32343	5720	4*	3775	10	8067	1*	5800	8	6933	1	5816	1*	2615	
2408	32347	3867		2646	2867		2867	2867		3222		990			
2409	32344	5168	6*	3600	6633	6	5200	5917		5154	7*	2260			
2410	32351	2475		2658	3467		3200	3333		2855		950			
2411	32349	3087		3717	7200	3	5800	8	6500	4	4578		4775	2*	
2412	33349	3722		4654	1*	5833	6333	6	6083	6	4853	9	2950		
2413	33350	5997	2*	3938	7	3900	7600	1	5750		5486	4*	1542		
2414	33351	2795		2742	3800		4200	4000		3266		2338			
2415	33352	2735		3479	3033		4200	3617		3236		2351			
2416	33353	4438		4550	3*	3500	5133	4317		4412		2000			
2417	33354	5108	7*	4517	5*	5533	6600	3	6067	7	5373	6*	3600	6*	
2418	ZC	4615		3592	2600		5600	4100		4204		1480			
2419	33355	1793		4542	4*	3867	5333	4600		3466		3670	5*		
2420	33356	4632		3688	5600		6333	5	5967	9	4977	8	1920		
2421	33357	4287		3788	9	6100	9	5200		5650		4732			
2422	33358	4753	10	3554	5467		5333	5400		4772	10	4242	3*		
2423	33359	2373		2604	2667		4267	3467		2857		3188	9		
2424	33360	5173	5*	3842	8	7533	2	5733	10	6633	3	5491	3*	3210	8
2425	33361	4927	8	3662	6000	10	4333	5167		4770		5402	1*		
2426	33362	4175		4592	2*	5833	4933	5383		4742		2575			
2427	33363	2102		3292	3200		3600	3400		2859		4115	4*		
2428	33364	3632		3479	4033		3600	3817		3675		2378			
2429	33365	4907	9	2883	3200		4733	3967		4126		3102	10		
2430	33366	1357		3592	3133		3733	3433		2634		3445	7*		
2431	Local check	2563		4229	6	6967	4	6733	2	6850	2	4611		2540	
Experimental Mean		3853		3630	4875		5101	4988		4262		2689			
CD(0.05)		402		214	800		2181	1142		538		830			
CV(%)		5.11		2.89	8.03		20.94	11.21		6.17		15.11			
F val		98.39**		62.2**	36.9**		2.36*	10.16**		28.86**		12.89**			
DOS				01-06-2025	30-06-2025		19-06-2025					14-06-2025			
DOP				07-07-2025	25-07-2025		17-07-2025					09-07-2025			
Local Check Name				Shahsarang	CAU R1		RC Manipou 15					DRV 06			

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Table No. 29.2 (Contd.): Grain yield (Kg/Ha) in AVT 2 & 1 & IVT - M (H), Kharif 2025

Entry No	IET No	MEDIUM NORTHERN				MEDIUM NORTHERN		MEDIUM SOUTHERN		Jammu & Kashmir (3)		Meghalaya (2)		Overall Mean (12)	
		Jammu & Kashmir		Uttarakhand		Mean		Tamil Nadu		Mean		Mean			
		Rajouri H		Almora H				Gudalur H							
2401	31413	4136		5271	2*	4704	3*	7000	5*	7133	4	4999	2*	5462	2*
2402	32350	4216		5552	1*	4884	1*	5269		6840	5	3753	8	5015	3
2403	32340	4739	7	4292	8*	4515	5*	6000		7238	2*	3458	10	5592	1*
2404	32354	3989		4031		4010		2769		4387		3046		4469	
2405	32356	3824		750		2287		1538		7224	3*	1709		3452	
2406	VIVEK DHAN-62 (NC)	4477	10	3406		3942		4000		4413		1908		3063	
2407	32343	4114		4490	6*	4302	8	4615		4593		3320		4787	5
2408	32347	5261	4	771		3016		3754		7536	1*	3143		3990	
2409	32344	3864		3750		3807		7769	1*	3720		3937	6	4582	8
2410	32351	5091	5	1938		3514		7423	4*	5293		3421		3721	
2411	32349	4648	8	1146		2897		6731	6*	4648		3901	7	4428	
2412	33349	3693		2865		3279		7615	2*	2985		5050	1*	4465	
2413	33350	4886	6	4708	4*	4797	2*	4846		3649		3028		4299	
2414	33351	3795		1844		2820		3308		6147	10	2210		3661	
2415	33352	3898		3021		3459		6231	9	6122		3159		4083	
2416	33353	3733		1948		2840		5231		6395	7	4348	5	4547	9
2417	33354	4051		2760		3406		6146	10	3878		4592	3	4639	7
2418	ZC	3290		3552		3421		3077		2981		1997		3206	
2419	33355	4386		1240		2813		5000		4386		3341		3376	
2420	33356	3932		4771	3*	4351	7	5231		4724		3368		4502	10
2421	33357	3114		4646	5*	3880		6731	6*	5167		2297		4402	
2422	33358	3511		3854		3683		6269	8*	2391		2371		3882	
2423	33359	5318	3	1740		3529		2462		6393	8	2455		3597	
2424	33360	5466	2*	3927		4696	4*	4700		4800		3018		4657	6
2425	33361	4523	9	4229	10*	4376	6	7438	3*	2929		3503	9	4421	
2426	33362	3920		4250	9*	4085	10	4346		5650		3194		4469	
2427	33363	5636	1*	1615		3625		2662		5487		2358		3381	
2428	33364	4125		4302	7*	4214	9	3531		4882		2420		3716	
2429	33365	3852		1521		2687		5269		6201	9	3151		4379	
2430	33366	3318		885		2102		2462		5932		2850		3322	
2431	Local check	3739		3604		3671		5623		6597	6	4365	4	4926	4
Experimental Mean		4211		3119		3665		5001		5185		3215		4209	
CD(0.05)		967		434		574		639		604		546		380	
CV(%)		11.24		6.81		7.67		6.26		5.7		8.32		4.41	
F val		3.81**		93.18**		13.98**		60.99**		46.37**		21.22**		24.05**	
DOS		25-05-2025		24-05-2025		10-07-2025									
DOP		23-06-2025		15-07-2025		07-08-2025									
Local Check Name		K-39		VLD 69		Bharathi									

Table No. 29.2 (Contd.): Grain yield (Kg/Ha) in AVT 2 & 1 & IVT - M (H), Kharif 2025 (Not considered)

Entry No	IET No	LOW NORTHERN				MEDIUM NORTHERN	
		Meghalaya		Manipur		Sikkim	
		Barapani (Umiam)_H		Wangbal_H		Gangtok_H	
2401	31413	3100	8	4203	6	835	
2402	32350	2200		4207	5	1335	
2403	32340	2100		4517	2	3030	8
2404	32354	4100	1	3167		2050	
2405	32356	400		2717		325	
2406	VIVEK DHAN-62 (NC)	1400		3603	10	930	
2407	32343	2500		3547		6495	2
2408	32347	400		2983		420	
2409	32344	2200		3383		1142	
2410	32351	1000		4017	7	805	
2411	32349	3100	8	2300		1945	
2412	33349	2900	10	2783		2325	10
2413	33350	1000		3090		5870	3
2414	33351	1600		4320	3	1212	
2415	33352	1900		4313	4	6630	1
2416	33353	1100		3693	9	5640	4
2417	33354	2800		3233		1652	
2418	ZC	3200	5	2107		3230	6
2419	33355	4100	1	2050		1032	
2420	33356	3500	3	2807		3065	7
2421	33357	1300		3283		1350	
2422	33358	3200	5	2960		2398	9
2423	33359	700		2383		1042	
2424	33360	3200	5	3960	8	4612	5
2425	33361	3400	4	5200	1	2120	
2426	33362	1600		2983		1580	
2427	33363	600		2947		1562	
2428	33364	1900		1850		1200	
2429	33365	700		3000		728	
2430	33366	700		2980		558	
2431	Local check	1700		2907		495	
Experimental Mean		2052		3274		2181	
CD(0.05)		532		75		1632	
CV(%)		12.71		1.12		36.63	
F val		37**		930.84**		10.45**	
DOS		06-09-2025		02.07.2025		05-06-2025	
DOP		16-07-2025		13-08-2025		16-07-2025	
Local Check Name		Shahsarang		Punshi		Sanu Attay	

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Table No. 29.3: DFF, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT - M (H), Kharif 2025

Entry No		IET No		HIGH												HIGH (3)		
				Jammu & Kashmir						Jammu & Kashmir (2)			Meghalaya					
				Khudwani H			Wadura H			Mean			Upper Shillong H			Mean		
				DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2401	31413	106	91	398	108	86	364	107	89	381	121	74	257	112	84	340		
2402	32350	106	124	388	107	120	352	106	122	370	121	95	232	111	113	324		
2403	32340	104	96	383	106	93	350	105	95	366				105	95	366		
2404	32354	119	89	311	124	86	316	122	87	314	130	84	165	124	86	264		
2405	32356	100	130	467	103	124	432	102	127	450	116	84	32	106	113	310		
2406	VIVEK DHAN-62 (NC)	116	134	309	122	130	270	119	132	290	122	110	19	120	125	199		
2407	32343	116	96	327	120	91	279	118	93	303	136	85	187	124	91	264		
2408	32347	99	133	414	100	126	372	100	130	393	109	89	190	103	116	325		
2409	32344	127	110	289	131	104	244	129	107	267	114	97	251	124	103	262		
2410	32351	99	127	338	100	126	292	100	126	315	112	96	245	104	116	292		
2411	32349										115	80	228	115	80	228		
2412	33349	130	99	207				130	99	207	129	85	290	129	92	249		
2413	33350	118	97	306	129	97	270	124	97	288	131	84	145	126	93	240		
2414	33351	92	131	370	99	123	329	96	127	350	123	91	155	105	115	285		
2415	33352	111	96	396	114	95	350	112	95	373	130	80	183	118	90	310		
2416	33353	98	135	346	99	130	306	99	133	326	116	104	210	104	123	287		
2417	33354	121	85	320	130	81	274	126	83	297	136	81	250	129	82	281		
2418	ZC	118	138	211	119	130	166	118	134	188	141	86	21	126	118	133		
2419	33355										138	99	191	138	99	191		
2420	33356	117	93	328	118	91	283	118	92	306	128	81	185	121	88	265		
2421	33357	106	124	333	108	119	290	107	122	312	109	100	73	108	114	232		
2422	33358	129	107	195	135	102	148	132	105	172	138	103	88	134	104	144		
2423	33359	85	116	367	86	114	328	86	115	348	109	86	166	93	106	287		
2424	33360	118	93	312	129	88	262	124	91	287	129	77	165	126	86	246		
2425	33361	124	106	211	128	101	170	126	104	191	136	103	200	129	104	194		
2426	33362	110	118	375	111	115	336	110	116	356	122	95	150	114	109	287		
2427	33363	88	124	368	90	119	326	89	121	347	109	84	102	96	109	265		
2428	33364	103	130	316	105	127	270	104	129	293	112	97	95	107	118	227		
2429	33365	96	133	400	97	129	357	96	131	378	109	91	205	100	117	321		
2430	33366	92	132	428	94	132	350	93	132	389	109	100	156	98	121	312		
2431	Local check	98	129	402	98	130	308	98	130	355	120	112	262	106	124	324		
Experimental Mean		108	114	338	111	111	299	110	113	318	122	91	169	115	104	266		
Standard Error		1.32			0.8			0.74			0.98			0.54				

Table No. 29.3 (Contd.): DFF, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT - M (H), Kharif 2025

Entry No	IET No	LOW NORTHERN														
		Himachal Pradesh						Himachal Pradesh (2)			Meghalaya			Manipur		
		Sundernagar H			Malan H			Mean			CAU-Barpani H			CAU-Imphal H		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2401	31413	99	114	170	88	93	298	94	96	234	102	98	291	99	122	482
2402	32350	98	136	164	90	116	212	94	113	188	108	124	284	109	120	458
2403	32340	104	125	252	102	107	212	103	108	232	115	118	266	110	139	342
2404	32354	101	121	262	102	94	265	102	96	264	116	106	284	110	109	420
2405	32356	82	133	183	80	97	282	81	110	233	98	113	245	94	131	374
2406	VIVEK DHAN-62 (NC)	95	162	126	94	108	140	94	125	133	100	126	252	110	119	459
2407	32343	102	133	234	95	106	185	99	110	209	112	109	252	111	122	357
2408	32347	80	132	218	83	101	172	82	107	196	86	108	242	91	134	446
2409	32344	104	142	250	101	126	175	102	127	212	118	114	298	108	133	265
2410	32351	80	146	186	84	102	202	82	118	194	93	102	203	96	131	298
2411	32349	92	121	228	122	76	155	107	97	192	124	138	235	115	120	271
2412	33349	109	116	192	102	102	198	106	104	195	106	108	308	110	119	492
2413	33350	102	118	277	92	109	190	97	104	234	105	111	333	110	137	322
2414	33351	76	158	193	86	114	215	81	126	204	88	117	252	92	121	327
2415	33352	98	119	217	89	89	175	94	100	196	112	109	270	105	129	492
2416	33353	82	140	232	84	102	200	83	114	216	96	110	228	98	133	467
2417	33354	104	112	261	100	92	198	102	96	229	118	102	319	112	122	420
2418	ZC	94	149	212	92	127	240	93	124	226	118	100	284	110	120	279
2419	33355	96	162	184	118	108	230	107	126	207	126	119	228	115	123	306
2420	33356	102	142	226	95	110	178	98	114	202	106	127	270	108	120	384
2421	33357	97	138	233	88	120	165	93	117	199	98	122	228	100	136	458
2422	33358	108	128	245	104	116	190	106	116	218	114	124	291	114	135	324
2423	33359	68	128	197	74	99	202	71	107	200	80	94	161	83	105	294
2424	33360	102	126	260	88	112	182	95	109	222	107	108	263	109	120	468
2425	33361	102	158	241	102	118	222	102	129	232	119	130	235	109	113	366
2426	33362	100	136	226	89	121	175	95	116	201	103	108	231	103	114	429
2427	33363	71	138	171	76	92	188	74	109	179	88	115	256	86	119	372
2428	33364	75	157	198	84	122	165	79	130	182	98	142	226	99	128	399
2429	33365	81	140	278	83	100	222	82	110	250	84	112	214	92	128	375
2430	33366	70	141	174	82	104	200	76	112	187	89	106	256	92	132	328
2431	Local check	92	122	160	90	87	215	91	100	188	118	124	319	113	111	272
Experimental Mean		92	135	214	92	105	201	92	112	208	104	114	258	103	124	378
Standard Error		1.69			0.87			1.02			1.49			1.03		

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Table No. 29.3 (Contd.): DFF, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT - M (H), Kharif 2025

Entry No	IET No	LOW NORTHERN						LOW NORTHERN (5)			LOW SOUTHERN			MEDIUM NORTHERN					
		Manipur			Manipur (2)			(5)			Karnataka			Jammu & Kashmir			Uttarakhand		
		Lampelpat H			Mean			Mean			Sirsi H			Rajouri H			Almora H		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2401	31413	83	110	314	91	116	398	94	103	311	98	87	360	106	119	426	103	87	242
2402	32350	88	138	296	98	129	377	99	120	283	95	102	353	94	115	434	106	110	204
2403	32340	105	120	206	107	130	274	107	117	256	100	100	330	98	138	463	108	101	200
2404	32354	93	115	254	102	112	337	104	103	297	97	91	324	90	107	374	102	102	227
2405	32356	80	120	231	86	126	303	87	116	263	88	108	370	91	147	334	93	95	150
2406	VIVEK DHAN-62 (NC)	89	158	199	99	139	329	97	130	235	98	130	320	89	144	443	112	116	179
2407	32343	105	130	233	108	126	295	105	115	252	103	106	310	100	137	418	98	100	245
2408	32347	79	138	212	85	136	329	84	117	258	88	109	356	104	124	481	97	102	85
2409	32344	92	148	186	100	141	226	104	129	235	103	118	310	92	112	380	105	116	198
2410	32351	76	125	206	86	128	252	86	119	219	92	107	334	104	109	476	93	108	134
2411	32349	109	117	180	112	119	226	112	111	214	118	106	307	98	136	451	124	91	123
2412	33349	95	124	246	103	121	369	104	111	287	104	102	376	101	145	268	112	102	221
2413	33350	93	132	207	101	134	264	100	116	266	100	100	327	92	110	465	108	98	220
2414	33351	79	136	186	86	129	256	84	125	234	92	106	370	96	121	326	96	98	124
2415	33352	89	120	239	97	124	366	99	109	279	97	95	373	88	102	341	107	94	218
2416	33353	81	130	234	90	132	350	88	119	272	99	106	366	97	147	302	98	92	187
2417	33354	93	120	240	102	121	330	105	105	288	104	96	350	94	100	409	104	92	206
2418	ZC	104	102	232	107	111	256	104	116	250	92	102	353	118	106	258	102	106	186
2419	33355	109	143	206	112	133	256	113	127	231	107	122	307	104	98	437	119	114	160
2420	33356	91	135	183	100	128	284	100	121	248	102	100	340	96	144	360	110	96	274
2421	33357	81	140	222	90	138	340	93	125	261	92	104	343	122	135	255	106	112	188
2422	33358	105	130	187	109	133	256	109	123	247	107	116	334	102	130	285	107	114	194
2423	33359	65	113	203	74	109	249	74	105	212	79	94	392	85	126	487	96	88	122
2424	33360	91	134	218	100	127	343	100	115	278	102	99	324	115	128	502	108	96	210
2425	33361	93	141	200	101	127	283	105	129	253	107	130	336	98	132	446	96	121	201
2426	33362	87	124	200	95	119	314	96	116	252	92	98	356	120	113	346	107	103	194
2427	33363	65	122	232	76	121	302	77	114	244	79	102	356	110	111	539	93	98	106
2428	33364	81	144	206	90	136	302	87	134	239	86	108	353	99	137	422	106	116	169
2429	33365	75	134	241	84	131	308	83	117	266	92	108	350	100	132	317	93	85	122
2430	33366	71	126	244	82	129	286	81	117	240	86	114	416	116	110	263	94	103	90
2431	Local check	92	113	232	102	112	252	101	108	239	96	110	287	100	124	296	105	101	199
Experimental Mean		88	128	221	96	126	300	96	117	255	96	105	344	100	123	387	103	101	179
Standard Error		2.51			1.12			0.59			1.06			5.73			0.78		

Table No. 29.3 (Contd.): DFF, Plant Height (cm) & Panicles/m2 in AVT 2 & 1 & IVT - M (H), Kharif 2025

Entry No	IET No	MEDIUM NORTHERN (2)			Medium Southern Tamil Nadu Gudalur H			Jammu & Kashmir (3)			Meghalaya (2)			Overall Mean (12)		
		Mean			Mean			Mean			Mean					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2401	31413	105	103	334	98	82	427	107	99	396	111	86	274	101	96	336
2402	32350	100	113	319	92	86	373	102	120	391	115	110	258	101	113	312
2403	32340	103	120	332	96	91	374	103	109	399	115	118	266	104	110	307
2404	32354	96	104	300	96	72	446	111	94	334	123	95	224	107	96	304
2405	32356	92	121	242	86	99		98	134	411	107	98	139	92	114	282
2406	VIVEK DHAN-62 (NC)	100	130	311	96	105	348	109	136	341	111	118	136	103	127	255
2407	32343	99	118	332	98	91	398	112	108	341	124	97	220	108	107	285
2408	32347	101	113	283	86	89	327	101	128	422	98	99	216	92	113	293
2409	32344	98	114	289	96	112	461	117	108	304	116	105	274	107	119	276
2410	32351	98	109	305	88	106	444	101	121	369	103	99	224	93	115	280
2411	32349	111	113	287	104	95	427	98	136	451	119	109	232	112	107	261
2412	33349	107	124	244	102	94	512	115	122	238	118	97	299	109	108	301
2413	33350	100	104	343	96	86	435	113	102	347	118	97	239	106	105	291
2414	33351	96	110	225	86	104	328	96	125	342	106	104	204	92	117	264
2415	33352	97	98	280	95	91	460	104	98	362	121	94	226	103	101	310
2416	33353	98	119	244	92	100	400	98	137	318	106	107	219	95	118	290
2417	33354	99	96	307	103	85	520	115	88	334	127	91	285	110	96	314
2418	ZC	110	106	222	87	96	432	118	125	212	130	93	152	108	112	240
2419	33355	112	106	298	102	109	344	104	98	437	132	109	210	113	119	259
2420	33356	103	120	317	95	91	439	110	109	324	117	104	228	106	109	287
2421	33357	114	123	222	88	93	340	112	126	293	103	111	150	100	118	261
2422	33358	105	122	240	102	105	484	122	113	209	126	113	189	114	117	247
2423	33359	90	107	305	84	92	270	85	119	394	95	90	164	83	104	266
2424	33360	112	112	356	99	89	418	121	103	359	118	92	214	108	105	299
2425	33361	97	127	324	104	112	431	116	113	276	128	117	218	110	121	272
2426	33362	113	108	270	84	92	356	114	115	352	112	102	190	102	110	281
2427	33363	102	104	322	84	98	394	96	118	411	98	99	179	87	109	284
2428	33364	103	126	296	86	110	410	102	132	336	106	120	160	95	125	269
2429	33365	96	108	220	87	90	287	98	131	358	96	101	210	91	113	281
2430	33366	105	106	177	85	90	272	101	125	347	99	103	206	90	114	265
2431	Local check	103	112	247	110	90	410	99	128	335	119	118	290	103	111	280
Experimental Mean		102	113	284	93	95	398	106	117	347	113	103	216	101	111	282
Standard Error		2.83			1.76			2.57			0.82			0.59		

Table No. 29.3 (Contd.): DFF, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT - M (H), Kharif 2025 (Not considered)

Entry No	IET No	LOW NORTHERN						MEDIUM NORTHERN		
		Meghalaya			Manipur			Sikkim		
		Barapani(Umiam) H			Wangbal H			Gangtok H		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2401	31413	90	90	272	107	78	582	124	72	
2402	32350	96	96	244	107	99	462	122	104	
2403	32340	107	88	266	110	89	236	117	110	
2404	32354	114	96	274	105	74	234	117	103	
2405	32356	72	96	280	116	97	252	114	90	
2406	VIVEK DHAN-62 (NC)	88	116	228	110	111	361	100	129	
2407	32343	113	95	250	103	87	331	115	110	
2408	32347	72	80	246	115	105	388	104	102	
2409	32344	99	104	186	110	83	360	120	124	
2410	32351	78	76	194	102	81	374	114	101	
2411	32349	115	91	289	106	89	298	121	101	
2412	33349	105	97	258	107	89	399	123	98	
2413	33350	102	83	194	108	77	332	124	103	
2414	33351	85	93	234	98	84	438	116	98	
2415	33352	92	90	252	102	90	504	123	86	
2416	33353	91	89	227	98	124	456	101	112	
2417	33354	100	85	240	100	93	421	116	106	
2418	ZC	110	90	252	106	61	265	118	98	
2419	33355	118	121	240	111	95	259	120	122	
2420	33356	100	112	268	98	102	311	118	119	
2421	33357	88	86	240	110	85	386	126	117	
2422	33358	110	108	290	108	86	316	122	133	
2423	33359	74	90	250	101	90	259	86	94	
2424	33360	102	96	245	99	70	490	118	103	
2425	33361	106	107	283	110	105	470	121	156	
2426	33362	98	96	279	109	98	456	90	136	
2427	33363	74	85	232	110	88	364	90	94	
2428	33364	90	108	252	97	106	214	96	120	
2429	33365	84	77	206	96	107	341	102	108	
2430	33366	78	90	276	97	89	458	88	89	
2431	Local check	116	96	241	101	84	393	118	172	
Experimental Mean		95	94	248	105	90	368	112	110	

Table No. 29.4: Grain quality characteristics of entries in AVT 2 & 1 & IVT - M (H), Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1288	2401	31413	77.2	62.9	43.1	6.57	2.00	3.28	LS	VOC	4.0	27.07	64
1289	2402	32350	76.0	64.4	38.6	6.52	2.11	3.09	LS	VOC	7.0	27.6	22
1290	2403	32340	78.1	67.7	54.4	6.81	2.11	3.22	LS	VOC	7.0	27.80	54
1291	2404	32354	78.4	67.7	49.7	6.50	1.88	3.45	LS	A	3.0	28.10	22
1292	2405	32356	77.1	67.7	48.0	5.74	2.22	2.58	MS	VOC	7.0	28.74	22
1293	2406	Vivek Dhan-62(NC)	80.0	71.9	55.0	5.21	2.67	1.95	SB	OC	4.0	24.08	22
1294	2407	32343	76.2	64.0	46.9	5.85	2.10	2.78	MS	VOC	4.0	27.69	55
1295	2408	32347	76.2	65.8	41.4	5.47	2.49	2.19	SB	VOC	4.0	28.65	23
1296	2409	32344	77.7	68.5	54.2	6.04	2.38	2.53	LB	OC	7.0	28.24	26
1297	2410	32351	79.2	69.4	42.9	5.40	2.53	2.13	SB	OC	4.0	28.60	22
1298	2411	32349	76.3	65.9	51.5	5.38	2.21	2.43	SB	VOC	7.0	20.53	59
1299	2418	VL Dhan-68(ZC)	78.0	68.4	56.0	5.98	2.13	2.80	MS	VOC	4.0	28.60	22
1300	2431	LC	77.5	51.6	32.0	4.89	2.42	2.02	SB	F	4.0	28.62	46
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernel length (mm) KB: Kernel Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernel length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%))ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL UPLAND (HILLS) IVT - U (H) - Kharif 2025

Locations: 12

Test entries: 10+3

Checks: Sukaradhan1 (NC); VL Dhan158 (ZC for North & South); Table: 30

Bhalum 1 (ZC for North East) and Local check (LC)

Initial variety trial Upper (Hills) [IVT – U(H)] trial was constituted with 13 entries including 10 test entries and 3 checks, Sukaradhan 1 (NC); VL Dhan 158 (ZC for North & South); Bhalum -1 (ZC for North East) and Local check. The trial was sent to 12 locations and data was received from only nine locations. The data from Lamphelpat- ICAR (LMP), Upper shillong (USG) and Bhertin (BTN) was not received, as trial at these locations reported as failed. The data from Wangbal (WBL) and Dhaulakaun (DLK) received, but data from these locations are not considered for analysis due to low CV (1.68) and low F value (1.78 ns) respectively. Remaining seven locations were considered for the analysis under two elevations namely Low elevation (Low Northern) and Medium elevation (Medium Northern). Overall, mean grain yield ranged from 1645 kg/ha (IET 33376) to 3173 kg/ha (IET 33369); days to 50% flowering ranged from 85 days (Sukaradhan-1(NC) & IET 33370) to 97 days (IET 33367). Similarly, plant height ranged from 98 cm (IET 33375) to 112 cm (IET 33367), and panicles/m² ranged from 159 (IET 33375) to 232 (IET 33372).

On over all mean basis, the test entries, IET 33369, IET 33368 and IET 33367 recorded significant yield advantage over the best check (LC), hence they are promoted. The data pertaining to grain yield, days to 50% flowering, plant height and panicles/m² are presented in tables 25.2 and 25.3.

The performance of test entries at different elevations is described below.

Overall Performance of promising entries in Initial variety Trial - Upper (Hills), Kharif 2025

Rank	IET No. designation/Cross combination	Grain yield (kg/ha) Days to 50% flow	% Yield superiority over NC/ZC/LC
1	IET 33369	3173 96	77.8 54.0 46.4
2	IET 33368	2828 94	58.5 37.2 30.5
3	IET 33367	2826 97	58.4 37.1 30.4
	Sukardhan 1 (NC)	1784	
	Zonal check (ZC)	2060	
	Local check (LC)	2166	

Low Altitude Northern Hills

In IVT U (H) at low altitude trial, data from 5 locations viz., Malan, Sundernagar, Barapani (Umiam), CAU-Barpani, CAU Imphal, was considered for analysis. Mean grain yield of the entries ranged from 1964 kg/ha (Sukaradhan-1(NC)) to 3816 kg/ha (IET 33369). Days to 50% flowering ranged from 83 days (Sukaradhan-1(NC)) to 97 days (IET 33369 & IET 33367). Similarly, plant height ranged from 97 cm (Local Check) to 113 cm (IET 33369), and panicles/m² ranged from 177 (IET 33374) to 263 (IET 33372). **Among test entries, IET 33369, IET 33368 and IET 33367 recorded significant yield advantage over the best check (LC), hence they are promoted to the next year of testing.**

Performance of promising entries at Low northern hills in Initial variety Trial - Upper (Hills), Kharif 2025

Rank	IET No. designation/Cross combination	Grain yield (kg/ha) Days to 50% flow	% Yield superiority over NC/ZC/LC
1	IET 33369	3816 97	94.2 65.9 61.2
2	IET 33368	3339 93	70.01 45.2 41.12
3	IET 33367	3269 97	66.4 42.1 38.1
	Sukaradhan 1 (NC)	1964	
	Zonal check (ZC)	2299	
	Local check (LC)	2366	

Medium Altitude Northern Hills

In IVT U (H) at medium altitude trial, data from two locations viz., Almora and Bageswar was considered for analysis. Mean grain yield of the entries ranged from 818 Kg/ha (IET 33376) to 2052 kg/ha (IET 33371). Days to 50% flowering ranged from 86 days (IET 33370) to 98 days (IET 33367). Similarly, plant height ranged from 98 cm (IET 33376) to 115 cm (Local Check), and panicles/m² ranged from 86 (IET 33376) to 200 (IET 33368). **Among test entries, no entry recorded significant yield advantage over the best check (LC), hence, none were promoted.**

SUMMARY

INITIAL VARIETY TRIAL - U (H) Kharif 2025

Locations: 12

Test entries: 10

Checks: Sukardhan1 (NC); VL Dhan 158 (ZC for North & South); Bhalum -1 (ZC for North East); Local check

IVT-U (H) The trial comprised of 10 test entries and three checks are tested in 12 locations.

List of the entries promoted in IVT - U (H)

Overall: IET 33369, IET 33368 and IET 33367

Low altitude Northern Hills: IET 33369, IET 33368 and IET 33367

Medium altitude Northern Hills: None of the entries promoted

Table No. 30.1: Composition of entries in Initial Variety Trial - Uplands (Hills) (IVT - U (H)), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
2501	33367	RCPL 1-481	Manipur/Shahsarang	
2502	33368	RCPL 1-480	kuki/Shahsarang	
2503	Sukaradhan-1 (NC)			
2504	33369	RCPL 1-479	Kba Lieh/Bhalum 3/RCPL 1-469	
2505	33370	VL 33120	VL Dhan 68/Lualat	LB
2506	VL DHAN-158 (ZC for North & South), Bhalum -1 (ZC for North and East)			
2507	33371	VL 33121	VL Dhan 68/Lualat	LB
2508	33372	VL 33123	VL Dhan 68/Ramseeta	LB
2509	33373	HPR 2840	Kalizimi/HPR 2143//HPR 2143	LS
2510	33374	HPR 2843	Kalizimi/HPR 2143//HPR 2144	LS
2511	33375	HPR 2847	Kalizimi/HPR 2143//HPR 2145	LS
2512	33376	HPR 2866	HPR 2143/AC 19146//VL 30424	MS
2513	Local check			

Table No. 30.2: Grain Yield (Kg/Ha) of IVT – U (H), Kharif 2025

Entry No	IET No	LOW NORTHERN									
		Himachal Pradesh				Himachal Pradesh (2)		Meghalaya			
		Malan_H		Sundernagar_H		Mean		Barapani_H		CAU-Barpani_H	
2501	33367	2688	3*	3667	3	3177	2*	3167	3*	2525	4*
2502	33368	2417	4*	3040	4	2728	3	4500	2*	2206	9
2503	Sukaradhan-1 (NC)	1729	7	2747	5	2238	7	833		1044	
2504	33369	3417	1*	3933	2	3675	1*	4833	1*	2594	2*
2505	33370	2146	5*	2620	7	2383	6	833		2283	7*
2506	ZC	1125		4273	1	2699	4	667		1461	
2507	33371	3000	2*	2033	10	2517	5	1333	7	1853	
2508	33372	1292	10	2100	9	1696	10	1750	5	2606	1*
2509	33373	1396	9	1940		1668		1083	10	2522	5*
2510	33374	896		2107	8	1501		1167	9	2575	3*
2511	33375	1792	6	1793		1792	9	1500	6	2489	6*
2512	33376	958		1880		1419		1333	7	2244	8
2513	Local check	1542	8	2707	6	2124	8	1917	4	2031	10
Experimental Mean		1877		2680		2278		1917		2187	
CD(0.05)		320		369		292		623		246	
CV(%)		10.12		8.18		7.61		19.28		6.67	
F val		53.63**		43.1**		45.96**		41.71**		32.82**	
DOS		06-06-2025		05-06-2025				06-07-2025		09-06-2025	
DOP		06-06-2025									
Local Check Name		HPR 2656		HPR 2656				Bhalum 3		Bhalum 3	

Table No. 30.2 (Contd.): Grain Yield (Kg/Ha) of IVT – U (H), Kharif 2025

Entry No	IET No	LOW NORTHERN		LOW NORTHERN		MEDIUM NORTHERN						Overall Mean (7)	
		Manipur		(5)		Uttarakhand				Uttarakhand (2)			
		CAU-Imphal_H		Mean		Almora_H		Bageswar (Almora)_H		Mean		Mean	
2501	33367	4300	3	3269	3*	2044	4	1393	6	1719	4	2826	3*
2502	33368	4533	1*	3339	2*	1800	7	1300	8	1550	8	2828	2*
2503	Sukaradhan-1 (NC)	3467		1964		1637		1033		1335	10	1784	
2504	33369	4300	3	3816	1*	1793	8	1340	7	1566	7	3173	1*
2505	33370	3867	8	2350	7	2348	1	1506	3	1927	3	2229	6
2506	ZC	3967	6	2299	8	1741	9	1187	9	1464	9	2060	8
2507	33371	3933	7	2431	4	2304	2	1800	1	2052	1	2322	4
2508	33372	4367	2	2423	5	2304	2	1667	2	1985	2	2298	5
2509	33373	3400		2068		1641	10	887		1264		1839	
2510	33374	4200	5	2189	10	1815	6	1480	5	1647	6	2034	9
2511	33375	3633	9	2241	9	1193		820		1006		1889	10
2512	33376	3467		1977		489		1147	10	818		1645	
2513	Local check	3633	9	2366	6	1844	5	1487	4	1666	5	2166	7
Experimental Mean		3928		2518		1766		1311		1538		2238	
CD(0.05)		553		195		546		556		419		175	
CV(%)		8.36		4.6		18.34		25.15		16.16		4.63	
F val		4.16**		75.05**		7.14**		2.33*		6.47**		58**	
DOS		10-07-2025				03-06-2025		11-06-2025					
DOP		NA											
Local Check Name		CAUR2				VLD 159		VLD 159					

Table No. 30.2 (Contd.): Grain Yield (Kg/Ha) of IVT – U (H), Kharif 2025 (Not considered)

Entry No	IET No	LOW NORTHERN			
		Himachal Pradesh		Manipur	
		@Dhaulakaun_H		@Wangbal_H	
2501	33367	1073		3107	
2502	33368	1467	2	5083	3
2503	Sukaradhan-1 (NC)	1933	1	5117	2
2504	33369	1417	3	3233	
2505	33370	1323	6	4147	7
2506	ZC	1367	4	3867	10
2507	33371	1317	8	4183	6
2508	33372	1200		3383	
2509	33373	950		4067	9
2510	33374	1323	6	5133	1
2511	33375	1240	10	4733	5
2512	33376	1317	8	4100	8
2513	Local check	1367	4	4900	4
Experimental Mean		1330		4235	
CD(0.05)		500		120	
CV(%)		22.32		1.68	
F val		1.78 ns		306.14**	
DOS		28-06-2025		12-08-2025	
DOP				15-08-2025	
Local Check Name		HPR2656		Punshi	

Table No. 30.3: DFF (days), Plant Height (cm) and No. of Panicles/m² of IVT – U (H), Kharif 2025

Entry No	IET No	LOW NORTHERN											
		Himachal Pradesh						Himachal Pradesh (2)			Meghalaya		
		Malan_H			Sundernagar_H			Mean			Barapani_H		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2501	33367	95	109	255	99	98	223	97	104	239	98	125	185
2502	33368	92	89	280	96	116	202	94	103	241	95	97	174
2503	Sukaradhan-1 (NC)	87	96	242	89	110	194	88	103	218	78	117	203
2504	33369	96	105	307	107	112	233	101	109	270	95	109	200
2505	33370	88	91	197	89	97	185	88	94	191	81	114	178
2506	ZC	90	90	160	98	102	245	94	96	203	83	120	205
2507	33371	91	96	232	90	96	165	90	96	198	88	106	226
2508	33372	95	97	230	90	81	167	92	89	198	89	106	202
2509	33373	93	99	213	93	92	141	93	96	177	85	113	140
2510	33374	90	92	110	85	92	169	87	92	140	85	114	188
2511	33375	87	92	153	85	106	156	86	99	155	82	90	211
2512	33376	91	82	152	88	104	174	90	93	163	79	107	175
2513	Local check	88	91	247	85	100	195	87	96	221	100	104	185
Experimental Mean		91	94	213	91	100	188	91	98	201	87	109	190
Standard Error		1.87			0.65			1.1			3.33		

Table No. 30.3 (Contd.): DFF (days), Plant Height (cm) and No. of Panicles/m² of IVT – U (H), Kharif 2025

Entry No	IET No	LOW NORTHERN									LOW NORTHERN (5)		
		Meghalaya			Meghalaya (2)			Manipur			Mean		
		CAU-Barpani_H			Mean			CAU-Imphal_H			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2501	33367	103	105	251	100	115	218	88	121	257	97	112	234
2502	33368	97	99	251	96	98	212	87	116	205	93	104	222
2503	Sukaradhan-1 (NC)	79	105	198	79	111	200	80	125	276	83	111	223
2504	33369	97	105	223	96	107	211	88	131	271	97	113	247
2505	33370	85	89	224	83	102	201	77	124	292	84	103	215
2506	ZC	80	100	222	82	110	214	79	131	274	86	109	221
2507	33371	84	89	167	86	98	196	77	123	377	86	102	233
2508	33372	85	106	306	87	106	254	79	145	412	88	107	263
2509	33373	80	96	296	83	104	218	83	122	365	87	104	231
2510	33374	83	74	253	84	94	220	79	127	164	84	100	177
2511	33375	90	82	229	86	86	220	110	120	145	91	98	179
2512	33376	83	87	286	81	97	230	80	118	322	84	100	222
2513	Local check	100	101	261	100	102	223	73	90	328	89	97	243
Experimental Mean		88	95	243	88	102	217	83	122	283	88	105	224
Standard Error		1.71			1.84			0.79			0.7		

Table No. 30.3 (Contd.): DFF (days), Plant Height (cm) and No. of Panicles/m² of IVT – U (H), Kharif 2025

Entry No	IET No	MEDIUM NORTHERN									Overall Mean (7)		
		Uttarakhand						Uttarakhand (2)					
		Almora_H			Bageswar (Almora)_H			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2501	33367	101	131	232	95	93	138	98	112	185	97	112	220
2502	33368	100	120	233	93	90	168	96	105	200	94	104	216
2503	Sukaradhan-1 (NC)	94	129	223	91	90	96	92	110	159	85	110	204
2504	33369	97	120	155	94	85	185	95	102	170	96	110	225
2505	33370	88	111	185	85	100	134	86	105	159	85	104	199
2506	ZC	99	126	180	89	94	101	94	110	140	88	109	198
2507	33371	90	127	183	97	94	111	93	111	147	88	105	209
2508	33372	95	127	190	94	101	116	94	114	153	89	109	232
2509	33373	94	124	114	93	101	108	93	112	111	89	107	197
2510	33374	86	109	141	91	91	98	88	100	119	86	100	160
2511	33375	98	105	124	92	93	98	95	99	111	92	98	159
2512	33376	92	104	84	92	91	88	92	98	86	86	99	183
2513	Local check	91	127	206	87	103	108	89	115	157	89	102	218
Experimental Mean		94	120	173	91	94	119	93	107	146	90	105	202
Standard Error		0.44			0.5			0.37			0.53		

Table No. 30.3 (Contd.): DFF (days), Plant Height (cm) and No. of Panicles/m² of IVT – U (H), Kharif 2025 (Not considered)

Entry No	IET No	LOW NORTHERN					
		Himachal Pradesh			Manipur		
		@Dhaulakaun_H			@Wangbal_H		
		DFF	PH	PAN	DFF	PH	PAN
2501	33367	86	115	229	108	111	268
2502	33368	96	123	233	107	113	424
2503	Sukaradhan-1 (NC)	73	114	434	101	99	461
2504	33369	95	127	382	101	105	284
2505	33370	77	115	253	92	91	389
2506	ZC	82	112	275	110	128	292
2507	33371	80	124	313	101	105	406
2508	33372	78	116	242	92	117	315
2509	33373	81	131	359	99	122	366
2510	33374	76	122	325	98	89	435
2511	33375	81	122	359	99	108	341
2512	33376	76	123	339	109	107	362
2513	Local check	76	125	303	101	83	339
Experimental Mean		81	120	311	101	106	360

ADVANCE VARIETY TRIAL 2 & 1 & INITIAL VARIETY TRIAL - JAPONICA [AVT 2 & 1 & IVT - J]

Locations : 9

Test Entries: 4

Checks : Bhrigudhan, Varundhan, Shalimar Rice-5 and local check Table: 31

Advance Variety Trial 2 & 1 & Initial Variety Trial - Japonica [AVT 2 & 1 & IVT - J] was constituted with four test entries and four checks viz., Bhrigudhan, Varundhan, Shalimar Rice-5 and a local check (LC). Among 4 test entries (IET 31431, 32371, 33377 and 33378) one entry was in third year of testing (AVT 2 i.e., 31431) and another one entry was in second year of testing (AVT 1 i.e., 32371) and remaining two entries were in first year of testing (IVT i.e., 33377, 33378). The trial was sent to 9 locations in three zones (Zone I, III and IV) and data was received from six locations viz., Malan, Khudwani, Larnoo, Pundibari, Pombay and Gerua. The trial was not conducted at one centre i.e., Malda and experiment failed at Lembuchera and Titabar; and data from two locations i.e., Pundibhari and Gerua were not considered for analysis due low experimental mean yield and data from four locations was analysed.

Experimental mean yield at the locations varied from 1033 kg/ha at Gerua to 6498 kg/ha at Khudwani and CV ranged from 5.12 % at Punibhari to 13.23 % at Malan. In Zone I all four locations i.e., Khudwani, Larnoo, Pombay and Malan were considered for analysis and in other zones Zone III (Pundibhari, Malda) and Zone IV (Titabar, Gerua, Lembucherra) locations data was not considered for analysis or experiment was failed or not conducted. Hence, across Zone I, among the checks Bhrigudhan (5450 kg/ha with 99 days to 50% flowering) ranked first followed by local check (5018 kg/ha with 88 days to 50% flowering), Varundhan (4662 kg/ha with 106 days to 50% flowering) and Shalimar Rice-5 (4449 kg/ha with 87 days to 50% flowering). None of the entries from AVT 2, AVT 1 and IVT showed significant yield advantage over the best check across Zone I and as in other zones, zone III and Zone IV, none of the entries were promoted. **On overall basis, none of the entries were promoted in AVT 2 & 1 & IVT - Japonica 2025 trial.**

The entry IET 31431 completed three years of testing

Three years performance of the entry in Japonica trial

IET No.	Years	Zone I (kg/ha)	Remarks
31431	2023	6824	Promoted in Z-I
	2024	5851	Promoted in Z-I
	2025	5214	Not promising

Table No. 31.1: Composition of entries in Advance Variety Trial 2 & 1 - Initial Variety Trial - Japonica (AVT 2 & 1 & IVT – J), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
3rd year of testing				
2601	31431	Koshikari		
2602	Brighudhan (Check)			
2nd year of testing				
2603	32371	Hinokari	Introduced from Japan	
2604	Varundhan (Check)			
1st year of testing				
2605	33377	Anani	Selection from Sundernagar, Mandi District, HP	
2606	Shalimar-5 (Check)			
2607	33378	Karad	Collection from Jadrong are Chamba District of HP	
2608	Local check			

Table No. 31.2: Grain Yield (Kg/Ha) in AVT 2 & 1 & IVT – J, Kharif 2025

Entry No	IET No	ZONE - I HILLS										ZONE - I HILLS (4)	
		Jammu & Kashmir						Jammu & Kashmir (3)		Himachal Pradesh			
		Khudwani_H		Larnoo_H		Pombay_H		Mean		Malan_H		Mean	
2601	31431	7028	3	5253	4	6108	3	6130	3	2465	4	5214	3
2602	Brighudhan (Check)	7774	2	5508	2	6573	2	6618	2	1944	6	5450	2
2603	32371	5979	7	3880	7	4694	7	4851	7	4236	2*	4697	5
2604	Varundhan (Check	6058	6	4189	6	4962	6	5070	6	3438	3	4662	6
2605	33377	3560	8	1958	8	2531	8	2683	8	5104	1*	3288	8
2606	Shalimar-5 (Check)	6758	5	4608	5	5666	5	5677	5	764	8	4449	7
2607	33378	7975	1	5783	1	6845	1	6868	1	2014	5	5654	1
2608	Local check	6850	4	5263	3	6049	4	6054	4	1910	7	5018	4
Experimental Mean		6498		4555		5428		5494		2734		4804	
CD(0.05)		879		479		598		359		532		346	
CV(%)		9.2		7.16		7.49		4.44		13.23		4.9	
F val		21.38**		57.74**		46.21**		119.04**		61.8**		39.34**	
DOS		08-05-2025		10-05-2025		09-05-2025				30-05-2025			
DOP		10-06-2025		12-06-2025		11-06-2025				03-07-2025			
Local Check Name		Shalimar Rice 9		Shalimar Rice-9		Shalimar Rice-9				Naggar Dhan			

Table No. 31.2 (Contd.): Grain Yield (Kg/Ha) in AVT 2 & 1 & IVT – J, Kharif 2025 (Not considered)

Entry No	IET No	ZONE - III EASTERN		ZONE - IV NORTH EASTERN	
		West Bengal		Assam	
		Pundibhari_H		Gerua_H	
2601	31431	440	6		6
2602	Brighudhan (Check)	1012	4		6
2603	32371	1330	3	718	2
2604	Varundhan (Check)	3238	1		6
2605	33377	390	7	425	4
2606	Shalimar-5 (Check)	982	5	102	5
2607	33378		8	483	3
2608	Local check	1575	2	3435	1
Experimental Mean		1281		1033	
CD(0.05)		97		421	
CV(%)		5.12		26.49	
F val		865.93**		99.04**	
DOS		08-07-2025		13-06-2025	
DOP		29-07-2025		24-07-2025	
Local Check Name		Annada		Naveen	

Table No. 31.3: DFF, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT – J, Kharif 2025

Entry No	IET No	ZONE - I HILLS															ZONE - I HILLS		
		Jammu & Kashmir									Jammu & Kashmir (3)			Himachal Pradesh			(4)		
		Khudwani_H			Larnoo_H			Pombay_H			Mean			Malan_H			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
2601	31431	109	108	396	116	99	288	116	102	323	113	103	336	104	95	294	111	101	325
2602	Brighudhan (Check)	98	114	403	103	103	322	103	108	346	101	108	357	93	98	120	99	106	298
2603	32371	114	104	329	120	97	258	120	99	304	118	100	297	103	95	300	114	99	298
2604	Varundhan (Check)	104	110	364	112	98	260	110	103	301	109	104	308	96	99	202	106	103	282
2605	33377	121	104	298	128	94	211	126	100	243	125	99	251	101	101	288	119	100	260
2606	Shalimar-5 (Check)	80	68	397	89	57	276	87	61	310	85	62	328	92	54	269	87	60	313
2607	33378	98	90	412	106	80	340	104	83	361	103	84	371	97	78	205	102	83	330
2608	Local check	81	99	392	91	98	294	88	99	307	86	99	331	94	80	202	88	94	299
Experimental Mean		100	99	373	108	90	281	106	94	311	105	95	322	97	87	235	103	93	301
Standard Error		0.49			0.45			0.54			0.28			1.6			0.53		

Table No. 31.3 (Contd.): DFF, Plant Height (cm) & Panicles/m² in AVT 2 & 1 & IVT – J, Kharif 2025 (Not considered)

Entry No	IET No	ZONE - III EASTERN			ZONE - IV NORTH EASTERN		
		West Bengal			Assam		
		Pundibhari_H			Gerua_H		
		DFF	PH	PAN	DFF	PH	PAN
2601	31431	52	66	336			
2602	Brighudhan (Check)	64	88	281			
2603	32371	60	96	211	87	71	276
2604	Varundhan (Check)	69	101	299			
2605	33377	58	87	227	87	73	268
2606	Shalimar-5 (Check)	59	93	167	98	64	252
2607	33378				98	77	233
2608	Local check	80	91	188	101	129	269
Experimental Mean		63	88	244	94	82	259

Table No. 31.4: Grain quality characteristics of entries in AVT 2 & 1 & IVT – J, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1301	2601	31431	79.3	65.8	45.7	4.91	2.91	1.69	SB	VOC	5.0	21.06	95
1302	2602	Brighudhan (Check)	81.0	66.2	56.7	5.25	3.09	1.69	SB	OC	5.0	20.38	95
1303	2603	32371	78.9	64.6	62.5	4.79	2.92	1.64	SB	VOC	5.0	20.62	92
1304	2604	Varundhan (Check)	80.3	67.9	56.7	5.16	2.82	1.82	SB	VOC	5.0	19.24	96
1305	2606	Shalimar-5 (Check)	82.5	71.7	53.7	4.95	3.10	1.59	SB	VOC	7.0	21.44	87
1306	2608	Local check	81.7	69.3	59.0	5.22	2.26	1.82	SB	VOC	4.0	22.73	91
HULL: Hulling(%) MILL:Milling(%) HRR:Head Rice Recovery KL:Kernal length (mm) KB:Kernal Breadth(mm)													
L/B : Length and Breadth(mm) KLAC:Kernal length after cooking WU:Water uptake ER:Elongation ratio													
AC:Amylose content (%) ASV:Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

ADVANCE VARIETY TRIAL 2 & 1 - ALKALINE AND INLAND SALINE TOLERANT VARIETY TRIAL (AVT 2 & 1 - AL & ISTVT)

Locations: 20

Test Entries: 11

Checks: CSR 36 (Alkaline check), CSR 10 (Early duration saline check), FL 478 (Saline Tolerant check), CSR 23 (Inland Saline check), Pusa 44 (Sensitive check), PR 127 (Observational Sensitive Check) and Local check

Table: 15

AVT 2 &1- AL & ISTVT constituted with 18 entries including 7 checks and 11 test entries. The trial sent to 20 locations and data was received from 18 locations except Jind (Karnal) and Kurumbapet (Puducherry). Among the 11 test entries evaluated, 2 entries are promoted from AVT1 AL & ISTVT are in the 3rd year of testing, 9 entries are promoted from IVT AL & ISTVT and are in the second year of testing. The analyzed data pertaining to yield, days to 50% flowering, plant height, panicles/m² and quality presented in tables 15.1-15.4. Inclusion of locations in the final analysis is based on monitoring tour reports and location wise general information about stress level of EC and pH, CV%, yield range and mean yield as presented in tabular form.

General information about soil stress parameters and yield performance of entries under alkalinity and inland salinity in AVT 2 &1 AL & ISTVT, Kharif, 2025

Location/State	Soil pH	Soil EC (dSm ⁻¹)	Exptl mean (kg/ha)	Grain Yield Range (Kg/ha)	CV %	Remarks
Alkalinity						
Zone-II						
Karnal (Haryana) (Sodic microplots)	9.7	1.5	3856	1852 - 5019	21.4	Data considered for identification of tolerant genotypes
Kurukshetra (Haryana)	9.3	0.9	3945	1847-5120	14.5	Data considered for analysis
Anjanteli	9.7	1.2	3993	1973-5153	16.7	Data considered for analysis
Kanpur (Uttar Pradesh)	9.8	0.2	3549	1981-6573	13.4	Data considered for analysis
Zone-III						
Gautam B. Nagar (UP)	9.6	1.5	3786	1527-5380	15.3	Data considered for analysis
Masodha (UP)	9.1	3.1	3941	2332-5224	11.3	Data considered for analysis
Lucknow	9.2-9.5	0.7-0.9	1427	292- 2792	49.7	Low exptl mean (<2000kg/ha), high CV and very high stress level. Data not considered.
Zone-VI						
Nawagam	8.1	0.43	3813	1813-4570	10.0	Sensitive and tolerant checks on par yield. Data not considered.
Zone-VII						
Kampasagar (Telangana)	8.5	2.4	5735	3699 -7073	6.9	Data considered for analysis
Karaikal (Puducherry)	8.6	1.7	4100	3222-4844	10.5	Data considered for analysis
Annamalainagar (Tamil Nadu)	8.8	1.7	3232	2227-3638	5.34	Local check: BPT 5204 is sensitive & highest yielding followed by Pusa 44. Data not considered.
Trichy	8.8	2.4	2474	038-6803	48.4	High CV. Data not considered.
Inland Saline						
Zone-II						
Karnal (Inland Saline)	7.5	9.5	3815	2074-5222	20.9	Data considered for

Location/State	Soil pH	Soil EC (dSm ⁻¹)	Exptl mean (kg/ha)	Grain Yield Range (Kg/ha)	CV %	Remarks
microplot)						identification of tolerant genotypes
Rohtak (Karnal)	7.7	9.2	3974	1893-5033	11.5	Data considered for analysis
Panipat (Haryana)	7.7	9.2	4069	2027-5167	12.1	Data considered for analysis
Zone-VI						
Danti (Navsari)	8.7	6.2	2217	776-3283	17.6	Data considered for analysis
Zone-VII						
Gangavati (Karnataka)	8.3	7.8	3540	2634-4633	9.7	Data considered for analysis
Mugad	5.7	7.1	4619	4325-5342	7.4	Data considered for analysis
Vytilla (Kerala)	4.96	5.0	4062	833-7667	13.5	Data considered for analysis

In microplot evaluation under controlled stress conditions at ICAR-CSSRI, Karnal, the IETs. 31862, 31858, 32778, 32788, 32776 and 32792 possessed dual tolerance for sodicity and inland salinity with a tolerance score of 3.0 - 4.0 as compared to tolerant and sensitive checks, which scored SES scores of 5-7 and 7-8 respectively. IETs 32787 & 32783 found promising for alkaline conditions with SES score of 4 -5 as compared to tolerant and sensitive checks.

Performance of entries under alkaline conditions during Kharif, 2025

Under alkaline conditions, data received from 12 locations including sodic microplot screening. The data from seven locations only found suitable for inclusion in the final analysis from zone-II, Zone-III and Zone-VII. Under alkaline conditions indicated that experimental mean across zones varied from 3549 kg/ha (Kanpur) to 5735 kg/ha (Kampasagar) (Table: 15.5). The CV% varied from 6.9% (Kampasagar) to 16.68% (Anjanteli). Days to 50% flowering varied from 65 days (IET 32785) in Zone-II to 111 days (IET32791). PR 127 is the shortest with 66 cm height (Z-II), while IET32780 is the tallest culture with 117 cm height (Zone-VII). ***Among the test entries, IET 32776 and IET 32792 in Zone-II; 32788 and IET 32783 in Zone-III recorded the required significant yield superiority over best check (Table 3) and are promoted under alkaline conditions to 3rd year testing in AVT2-AL & ISTVT.***

Table 15.5. Zone wise information under alkaline conditions during Kharif, 2025

Zones	II	III	VII
Alkaline			
Zonal mean (Kg/ha)	2001 (Pusa 44) – 5369 (IET 32792)	2332 (IET 32785) – 5120 (IET 32788)	3267 (IET 32785) – 5587 (CSR10)
Exp Mean (Kg/ha)	3549 (Kanpur) – 3993 (Anjanteli)	3786 (GBN) – 3941 (MSD)	3588 (KRL) – 5735 (KMP)
CV%	13.38 (Kanpur) – 16.68 (Anjanteli)	11.27 (MSD) – 15.3 (GBN)	6.9 (KMP) – 10.47 (KRL)
DFF	65 (IET 32785) – 91 (IET 32791)	94 (CSR 23, FL 478) –105 (IET32791)	77 (CSR 23) – 111 (IET 32791)
PH (cm)	66 (PR 127) – 87 (IET 32785)	77 (LC) – 109 (CSR 36)	73 (CSR 10) – 117 (IET 32780)
Pan/m ²	141 (PR 127) – 302 (IET 31862)	153 (Pusa 44) – 273 (IET 32785)	205 (IET 32785) – 350 (LC)
DNI (Data Not Included)	-	1 (Lucknow)	2 (Annamalainagar &) Trichy); Nawagam
Locations considered	3	2	2

Performance of Entries under Inland Saline Conditions during Kharif, 2025

Under inland saline conditions, trial was sent to seven locations in Zone-II, Zone-VI and Zone-VII. The data received from all the seven locations found suitable for inclusion in the final analysis. The experimental mean across zones varied from 2217kg/ha (Navsari) to 4619 kg/ha (Mugad) (Table:15.6). The CV% varied from 7.4% (Mugad) to 17.65% (Navsari). Days to 50% flowering varied from 75 days (CSR 23) in Zone-II to 120 days (CSR 36). CSR 10 is the shortest with 59 cm height (Z-II), while local check is the tallest culture with 140 cm height (Zone-VI).

Table 15.6: Zone-wise Information under Inland Saline Conditions during Kharif, 2025

Zones	II	VI	VII
Inland saline			
Zonal mean (Kg/ha)	1960 (Pusa 44) – 5070 (IET 31862)	776 (CSR 23) – 3283 (CSR 36)	3033 (IET 32791) – 5602 (32780)
Exp Mean (Kg/ha)	3974 (Rohtak) – 4069 (Panipat)	2217 (NVS)	3540 (GNV) – 4619 (MGD)
CV%	11.45 (Rohtak) – 12.07 (Panipat)	17.65 (NVS)	7.4 (MGD) – 13.5 (VTL)
DFF	75 (CSR 23) – 108 (IET 32791)	87 (CSR 10) – 114 (IET 32791)	98 (CSR 23, CSR 10, LC) – 120 (CSR 36)
PH (cm)	59 (CSR 10) – 92 (IET 31862)	84 (CSR 10) – 140 (LC)	70 (CSR 10) – 102 (IET 32780)
Pan/m ²	92 (PR 127) – 315 (IET 32788)	299 (IET 32788) – 341 (IET 32787)	248 (CSR 23) – 428 (CSR 10)
Locations considered	2	1	3

Among the test entries under inland saline conditions, IET 31862 and IET 31858 which are in the final year of testing recorded significant yield superiority over best check in Zone-II. Among the entries in the AVT1 AL & ISTVT (Table 15.7), ***IET nos. 32788, 32783, 32776, 32792 and 32778 in Zone-II; IET Nos. 32778, 32780 and 32785 in Zone-VII exhibited required yield advantage over best check; are promoted under inland saline conditions to AVT2-AL & ISTVT.***

Table 15.7: Zone –wise performance of the entries with required significant yield superiority over checks in AVT 2 & 1 AL ISTVT during kharif 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha/); Rank						Promoted
	Alkaline Conditions			Inland Saline conditions			
	II	III	VII	II	VI	VII	
31862 (CSR 2021-AL-294-72) PR 126 / CSR27				5070(1) 80			Completed 3 years testing
31858 (CSR 2021-ST-294-168) PR 114 / CSR56				4837(7) 80			
AVT 1 (2 nd Yr)							
32788		5120(1)		5003(2)			Promoted

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(RP CG-SLK-917-46-67-1) IR64/GL190		98		95			
32783 (CSR2022 ABC-165) PR114 X CSR 27		4929(2) 100		4917(3) 92			Promoted
32776 (CSR 2022 BR-41-4-64) Pusa 44 x Burarata	5327(2) 81			4910(4) 85			Promoted
32792 (RPCG-SLK-114-58-7) BPT5204/CGIL24	5369(1) 84			4890(5) 94			Promoted
32778 (CSR2021-AL-29-485) IRRI154 XCSR28				4883(6) 94		5155(3) 107	Promoted
32780 (RP 6817-IR16T1655) IRRI 154/A 69- 1//IR12T254						5602(1) 105	Promoted
32785 (RNR 42677) JGL 24423/JGL 17004						5342(2) 111	Promoted
CSR 36 (Alkaline check)	3092 85	4291 104	3610 107	3763 102	3283 97	3044 120	
CSR 23 (Inland Saline)	3834 75	4006 94	4770 77	3490 75	776 88	3463 98	
CSR 10 (Early Saline)	3830 77	3384 100	5587 82	3373 90	2184 87	3515 98	
FL 478 (Saline tolerant)	2808 71	2969 94	3910 89	3130 77	3087 88	4233 99	
LC	4602 80	3323 101	4794 102	3667 99	3166 92	4393 98	
Pusa 44	2001 88	2536 103	4667 104	1960 96	1305 91	4132 107	
PR 127 (Observational sensitive check)	3146 81	3562 100	4811 89	3517 89	1040 88	3426 106	

Data based on three years of testing, both IET 31862 and IET 31858 found promising in Zone-II and Zone-III under alkaline conditions, and in Zone- II under inland saline conditions (Table: 15.8).

Table 15.8: Performance of Entries under AL& ISTVT over 3 years of testing (2023-2025)

Entry	Yr.	Yld (kg/ha) /DFF			Inland Salinity Yld (kg/ha) DFF				Quality (GT, HRR(%), AC (%), GC(mm) & ASV	Remarks
		Overall	II	III	Overall	II	VI	VII		
31862 (CSR 2021- AL- 294- 72) PR 126 / CSR27	2023	4807(1)/ 100	4627(1)/ 97	*4987(3)/ 104	4469(1)/ 99	4440(2)/ 96	4851(4)/ 98	4145(1)/ 107		Promising in Zone-II &III
	2024	--	3882(1)/ 81	5100(3)/ 86	--	4660(4)/ 96	--	3241*(6)/ 102	LS, 53.4; 25.57; 22; 5	
	2025	--	5137*(3)/ 86	4784*(3)/ 96	--	5070(1)/ 80	--	--	LS, 70; 25.84; 22; 5	
31858 (CSR 2021- ST- 294- 168) PR 114 / CSR56	2023	4746(3)/ 97	4593(2)/ 97	4898*(6)/ 98	3688*(4)/ 96	4460(1)/ 96	2122*91	3708*(5)/ 103		Promising in Zone-II &III
	2024	--	3710(5)/ 81	4845(6)/ 89	--	4573(6)/ 88	--	2127* 98	LB, 55.0; 24.66; 54; 5	
	2025	--	4077* 78	4319* 97	--	4837 (7) 80	--	--	LB, 65.1; 24.58; 58; 5	

*Non-Significant over best check or over early check

Summary

AVT2- AL & ISTVT

Two entries IET Nos. 31862 and 31858 tested in four zones (Z- II, III, VI & VII) and completed three years of testing.

Alkaline conditions: Zone – II & III: IET Nos. 31862 and 31858

Inland saline conditions: Zone – VI: IET Nos. 31862 and 31858

AVT1- AL & ISTVT

Alkaline Conditions	Inland Saline Conditions
Zone-II: IET Nos. 32776 & 32792 Zone-III: IET Nos. 32788 & 32783 Zone VI & VII: NIL	Zone-II: IET Nos. 32788, 32783, 32776, 32792 & 32778 Zone VI: NIL Zone VII: IET Nos.32780, 32785 & 32778

Entries promoted from AVT1 AL & ISTVT to AVT2 AL & ISTVT

IET Nos.32788, 32783, 32776, 32792, 32778, 32780, 32785

Table No. 15.1: Composition of entries in Advance Variety Trial 2 & 1 – Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 – AL & ISTVT), Kharif 2025

Entry No	IET No	Designation	Cross Combination	Zone	Grain type
4701	31862*	CSR 2021-AL-294-72	PR 126/CSR 27	II,III	LS
4702	Inland Saline Toletant (CSR 23)			II,III, VI,VII	
4703	32792	RP 6912-CG-SLK-114-58-7	BPT5204/CGIL24	II	LS
4704	32791	JGL 38917		II,III, VI,VII	MS
4705	31858*	CSR 2021-ST-294-168	PR 114/CSR 56	II,III	LB
4706	Observational sensitive check (PR 127)			II,III, VI,VII	
4707	32785	RNR 42677	JGL 24423 X JGL 17004	II,III, VI,VII	MS
4708	32778	CSR 2021-AL-29-485	IRRI 154 X CSR 28	II,III, VI,VII	LS
4709	Early duration Saline check (CSR 10)			II,III, VI,VII	
4710	32780	RP 6817-IR16T1655	IRRI 154/A 69-1//IR12T254	VII	LS
4711	32787	RNR 42651	JGL 24423 X RNR 26016	II,III, VI,VII	LS
4712	Alkaline Tolerant check (CSR 36)			II,III, VI,VII	
4713	32776	CSR 2022 BR-41-4-64	PUSA 44 X BURARATA	II	LS
4714	Saline tolerant & donor (FL 478)			II,III, VI,VII	
4715	32788	RP 6911-CG-SLK-917-46-67-1	IR64/GL190	II,III, VI,VII	LS
4716	Local check (LC)			II,III, VI,VII	
4717	32783	CSR 2022 ABC-165	PR 11 X CSR 27	II,III	LS
4718	Sensitive check (Pusa 44)			II,III, VI,VII	

Table No. 15.2: Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						ZONE II - NORTHERN (3)	
		Haryana		Haryana (2)		Uttar Pradesh		Mean	
		Anjanteli (Karnal)	Kurukshetra	Mean	Kanpur				
4701	31862*	5153	1*	5120	1*	5137	1*	5137	3
4702	CSR 23 (Inland Saline Toletant)	3560	10	3433		3497		4508	4
4703	32792	4847	6*	4887	4*	4867	6*	6373	2
4704	32791	3113		3233		3173		4261	6
4705	31858*	4953	4*	4867	5*	4910	3*	2411	9
4706	PR 127 (Observational sensitive check)	2953		2580		2767		3906	7
4707	32785							2145	
4708	32778	5000	3*	4793	7*	4897	4*	2245	
4709	CSR 10 (Early duration Saline check)	3487		3500		3493		4502	5
4711	32787	3740	8	3747	8	3743	8	1981	
4712	CSR 36 (Alkaline Tolerant check)	3480		3533	10	3507	10	2262	
4713	32776	4840	7*	4947	3*	4893	5*	6194	3
4714	FL 478 (Saline tolerant & donor)	3240		3140		3190		2043	
4715	32788	5107	2*	5040	2*	5073	2*	2318	10
4716	LC	3587	9	3647	9	3617	9	6573	1
4717	32783	4853	5*	4813	6*	4833	7*	2877	8
4718	Pusa 44 (Sensitive check)	1973		1847		1910		2182	
Experimental Mean		3993		3945		3969		3549	
CD(0.05)		1111		951		708		792	
CV(%)		16.68		14.45		10.7		13.38	
F val		6.38**		9.21**		16.08**		37.07**	
DOS		20-06-2025		20-06-2025				29-06-2025	
DOP		22-07-2025		22-07-2025				10-08-2025	
Local Check Name		CSR 36		CSR 36				Sarjoo 52	

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (2)	
		Uttar Pradesh				Mean	
		Gautam Buddha Nagar		Masodha			
4701	31862*	5080	3*	4487	5	4784	3
4702	CSR 23 (Inland Saline Toletant)	3587	7	4424	6	4006	7
4704	32791	3180	10	4760	4	3970	8
4705	31858*	4873	4*	3764	8	4319	5
4706	PR 127 (Observational sensitive check)	3087		4037	7	3562	9
4707	32785			2332		2332	
4708	32778	5380	1*	3301		4340	4
4709	CSR 10 (Early duration Saline check)	3280	9	3489		3384	10
4711	32787	3033		3682	9	3358	
4712	CSR 36 (Alkaline Tolerant check)	3413	8	5169	2	4291	6
4714	FL 478 (Saline tolerant & donor)	3047		2891		2969	
4715	32788	5180	2*	5060	3	5120	1*
4716	LC	3700	6	2946		3323	
4717	32783	4633	5	5224	1	4929	2*
4718	Pusa 44 (Sensitive check)	1527		3546	10	2536	
Experimental Mean		3786		3941		3815	
CD(0.05)		972		743		609	
CV(%)		15.3		11.27		9.54	
F val		10.71**		12.13**		16.1**	
DOS		25-06-2025		30-06-2025			
DOP		27-07-2025		30-07-2025			
Local Check Name		CSR 36		NDRK 2008			

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN	
		Uttar Pradesh	
		@Lucknow-ICAR	
4701	31862*	1958	3
4702	CSR 23 (Inland Saline Toletant)	2792	1
4704	32791	292	
4705	31858*	653	
4706	PR 127 (Observational sensitive check)		
4707	32785		
4708	32778	1208	8
4709	CSR 10 (Early duration Saline check)	1306	7
4711	32787	1375	6
4712	CSR 36 (Alkaline Tolerant check)	1833	4
4714	FL 478 (Saline tolerant & donor)	1194	9
4715	32788	1125	10
4716	LC	1819	5
4717	32783	2167	2
4718	Pusa 44 (Sensitive check)	833	
Experimental Mean		1427	
CD(0.05)		1196	
CV(%)		49.71	
F val		2.62*	
DOS		17-06-2025	
DOP		21-07-2025	
Local Check Name		CSR 60	

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN				ZONE VII - SOUTHERN (2)	
		Puducherry		Telangana		Mean	
		Karaikal		Kampasagar			
4702	CSR 23 (Inland Saline Toletant)	3233		6307	6	4770	7
4704	32791	3633	4	6415	4	5024	4
4706	PR 127 (Observational sensitive check)	3311	9	6312	5	4811	5
4707	32785	3267	10			3267	
4708	32778	3489	7	6610	3	5049	3
4709	CSR 10 (Early duration Saline check)	4100	2	7073	1	5587	1
4710	32780	3633	4	6646	2	5140	2
4711	32787	3222		5612	8	4417	9
4712	CSR 36 (Alkaline Tolerant check)	3522	6	3699		3610	
4714	FL 478 (Saline tolerant & donor)	3411	8	4408		3910	
4715	32788	3744	3	4897	9	4321	10
4716	LC	4844	1	4743	10	4794	6
4718	Pusa 44 (Sensitive check)	3233		6101	7	4667	8
Experimental Mean		3588		5735		4567	
CD(0.05)		633		670		470	
CV(%)		10.47		6.9		6.11	
F val		4.39**		21.36**		16.38**	
DOS				03-07-2025			
DOP				07-08-2025			
Local Check Name				KPS-2874			

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN	
		Tamil Nadu	
		@Trichy	
4702	CSR 23 (Inland Saline Toletant)	1090	10
4704	32791	4501	2
4706	PR 127 (Observational sensitive check)	2269	6
4707	32785		
4708	32778	2072	7
4709	CSR 10 (Early duration Saline check)	38	
4710	32780	2338	5
4711	32787	1571	8
4712	CSR 36 (Alkaline Tolerant check)	3180	4
4714	FL 478 (Saline tolerant & donor)	243	
4715	32788	4188	3
4716	LC	6803	1
4718	Pusa 44 (Sensitive check)	1400	9
Experimental Mean		2474	
CD(0.05)		2029	
CV(%)		48.41	
F val		7.85**	
DOS		13-08-2025	
DOP			
Local Check Name		TRY 3	

Table No. 15.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN												ZONE II - NORTHERN (3)		
		Haryana						Haryana (2)			Uttar Pradesh			Mean		
		Anjanteli (Karnal)			Kurukshetra			Mean			Kanpur			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4701	31862*	83	85	308	88	85	296	86	85	302				86	85	302
4702	CSR 23 (Inland Saline Toletant)	86	80	257	81	86	184	84	83	220	57	90	215	75	85	219
4703	32792	94	78	240	95	76	227	94	77	234	65	65	216	84	73	228
4704	32791	101	79	161	106	80	145	104	79	153	65	81	222	91	80	176
4705	31858*	86	81	231	86	79	244	86	80	237	61	70	189	78	77	221
4706	PR 127 (Observational sensitive check)	92	66	128	95	65	118	93	66	123	55	66	179	81	66	141
4707	32785										65	87	198	65	87	198
4708	32778	80	75	277	86	77	252	83	76	264	58	87	217	75	80	249
4709	CSR 10 (Early duration Saline check)	88	66	134	89	62	155	89	64	144	55	88	245	77	72	178
4711	32787	96	69	148	95	73	153	96	71	151	67	58	180	86	67	160
4712	CSR 36 (Alkaline Tolerant check)	97	80	249	98	76	201	98	78	225	59	80	199	85	79	216
4713	32776	91	80	228	90	86	239	90	83	233	61	83	235	81	83	234
4714	FL 478 (Saline tolerant & donor)	76	77	140	84	71	135	80	74	138	52	79	180	71	75	152
4715	32788	89	81	271	90	83	292	89	82	281	57	76	199	79	80	254
4716	LC	87	83	226	94	83	202	91	83	214	57	60	177	80	76	201
4717	32783	92	73	252	94	81	228	93	77	240	54	84	251	80	79	243
4718	Pusa 44 (Sensitive check)	101	72	102	102	77	111	102	74	106	60	63	215	88	71	143
Experimental Mean		89	76	209	92	77	198	91	77	204	59	76	207	80	77	207
Standard Error		2.19			2.5			1.56			1.36			1.2		

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (2)		
		Uttar Pradesh						Mean		
		Gautam Buddha Nagar			Masodha			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4701	31862*	87	68	228	105	118	264	96	93	246
4702	CSR 23 (Inland Saline Toletant)	79	88	144	110	115	250	94	101	197
4704	32791	103	81	156	107	98	238	105	90	197
4705	31858*	87	86	173	106	108	257	97	97	215
4706	PR 127 (Observational sensitive check)	93	70	139	107	96	269	100	83	204
4707	32785				104	105	273	104	105	273
4708	32778	83	82	216	111	96	242	97	89	229
4709	CSR 10 (Early duration Saline check)	92	71	131	108	94	300	100	82	216
4711	32787	95	54	139	106	101	267	100	78	203
4712	CSR 36 (Alkaline Tolerant check)	101	98	233	106	121	257	104	109	245
4714	FL 478 (Saline tolerant & donor)	81	76	109	107	99	244	94	88	176
4715	32788	88	62	220	108	107	236	98	84	228
4716	LC	93	68	211	108	87	268	101	77	240
4717	32783	96	81	244	104	105	226	100	93	235
4718	Pusa 44 (Sensitive check)	104	74	85	103	87	222	103	80	153
Experimental Mean		91	75	173	106	102	254	100	90	217
Standard Error		2.58			0.64			1.29		

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN		
		Uttar Pradesh		
		@Lucknow-ICAR		
		DDF	PH	PAN
4701	31862*	105	89	290
4702	CSR 23 (Inland Saline Toletant)	102	81	374
4704	32791	118	21	76
4705	31858*	106	70	285
4706	PR 127 (Observational sensitive check)			
4707	32785			
4708	32778	100	68	276
4709	CSR 10 (Early duration Saline check)	103	51	331
4711	32787	107	67	315
4712	CSR 36 (Alkaline Tolerant check)	101	79	331
4714	FL 478 (Saline tolerant & donor)	108	62	270
4715	32788	106	65	314
4716	LC	105	91	362
4717	32783	105	79	391
4718	Pusa 44 (Sensitive check)	105	35	163
Experimental Mean		105	66	290

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (2)		
		Puducherry			Telangana			Mean		
		Karaikal			Kampasagar					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4702	CSR 23 (Inland Saline Toletant)	67	105	227	88	104	269	77	105	248
4704	32791	112	121	285	110	100	265	111	111	275
4706	PR 127 (Observational sensitive check)	77	85	232	102	77	235	89	81	234
4707	32785	97	113	205				97	113	205
4708	32778	101	127	264	93	99	293	97	113	279
4709	CSR 10 (Early duration Saline check)	69	83	318	95	62	284	82	73	301
4710	32780	99	133	274	111	101	266	105	117	270
4711	32787	87	111	246	94	85	249	90	98	247
4712	CSR 36 (Alkaline Tolerant check)	101	122	338	114	95	246	107	108	292
4714	FL 478 (Saline tolerant & donor)	77	98	316	101	84	207	89	91	261
4715	32788	97	120	254	105	97	260	101	109	257
4716	LC	97	119	485	106	88	216	102	103	350
4718	Pusa 44 (Sensitive check)	100	93	284	107	87	209	104	90	246
Experimental Mean		90	110	286	102	89	249	96	101	267
Standard Error		3.12			0.49			2.04		

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Alkalinity, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN		
		Tamil Nadu		
		@ Trichy		
		DDF	PH	PAN
4702	CSR 23 (Inland Saline Toletant)	83	96	203
4704	32791	104	110	233
4706	PR 127 (Observational sensitive check)	91	79	231
4707	32785			
4708	32778	94	108	265
4709	CSR 10 (Early duration Saline check)	80	60	359
4710	32780	99	101	245
4711	32787	94	96	323
4712	CSR 36 (Alkaline Tolerant check)	110	100	241
4714	FL 478 (Saline tolerant & donor)	90	98	264
4715	32788	99	97	323
4716	LC	110	120	373
4718	Pusa 44 (Sensitive check)	102	90	359
Experimental Mean		96	96	284

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Sodic Microplot, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						
		Haryana		Vigor Score /SES				
		Karnal		E.No	R1	R2	R3	Mean
4701	31862*	5019	1*	4701	3	3	3	3
4702	CSR 23 (Inland Saline Toletant)	3648	9	4702	5	5	5	5
4703	32792	4556	7	4703	5	3	3	3.7
4704	32791	3148		4704	5	7	7	6.3
4705	31858*	4815	4	4705	3	3	3	3
4706	PR 127 (Observational sensitive check)	2963		4706	7	7	7	7
4707	32785			4707				
4708	32778	4944	2*	4708	3	3	3	3
4709	CSR 10 (Early duration Saline check)	3407	10	4709	5	5	5	5
4711	32787	3722	8	4711	5	5	5	5
4712	CSR 36 (Alkaline Tolerant check)	3019		4712	7	7	7	7
4713	32776	4722	5	4713	5	3	3	3.7
4714	FL 478 (Saline tolerant & donor)	3148		4714	7	7	5	6.3
4715	32788	4833	3*	4715	3	3	3	3
4716	LC	3333		4716	5	5	7	5.7
4717	32783	4574	6	4717	5	3	5	4.3
4718	Pusa 44 (Sensitive check)	1852		4718	7	9	9	8.3
Experimental Mean		3856						
CD(0.05)		1177						
CV(%)		21.43						
F val		2.9**						
DOS		20-06-2025						
DOP		22-07-2025						
Local Check Name		CSR 36						

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – AL & ISTVT Sodid Microplot, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		
		Haryana		
		Karnal		
		DFP	PH	PAN
4701	31862*	98	98	211
4702	CSR 23 (Inland Saline Toletant)	87	94	200
4703	32792	97	87	236
4704	32791	90	86	143
4705	31858*	101	94	262
4706	PR 127 (Observational sensitive check)	96	79	87
4707	32785			
4708	32778	61	99	160
4709	CSR 10 (Early duration Saline check)	96	69	176
4711	32787	77	85	155
4712	CSR 36 (Alkaline Tolerant check)	82	88	162
4713	32776	103	89	164
4714	FL 478 (Saline tolerant & donor)	92	85	97
4715	32788	75	96	270
4716	LC	70	100	222
4717	32783	107	89	243
4718	Pusa 44 (Sensitive check)	108	85	103
Experimental Mean		90	88	180
Standard Error		5.53		

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Inland Saline, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN				ZONE II - NORTHERN (2)	
		Haryana				Mean	
		Panipat		Rohtak			
4701	31862*	5167	1*	4973	3*	5070	1*
4702	CSR 23 (Inland Saline Toletant)	3507		3473		3490	
4703	32792	5067	3*	4713	6*	4890	5*
4704	32791	3307		3300		3303	
4705	31858*	4987	4*	4687	7*	4837	7*
4706	PR 127 (Observational sensitive check)	3607		3427		3517	
4707	32785						
4708	32778	4893	5*	4873	5*	4883	6*
4709	CSR 10 (Early duration Saline check)	3393		3353		3373	
4711	32787	3747	10	3513	10	3630	10
4712	CSR 36 (Alkaline Tolerant check)	3847	8	3680	8	3763	8
4713	32776	4787	7*	5033	1*	4910	4*
4714	FL 478 (Saline tolerant & donor)	3127		3133		3130	
4715	32788	5073	2*	4933	4*	5003	2*
4716	LC	3767	9	3567	9	3667	9
4717	32783	4800	6*	5033	1*	4917	3*
4718	Pusa 44 (Sensitive check)	2027		1893		1960	
Experimental Mean		4069		3974		4021	
CD(0.05)		819		759		472	
CV(%)		12.07		11.45		7.04	
F val		10.49**		12.48**		31.65**	
DOS		20-06-2025		25-06-2025			
DOP		22-07-2025		25-07-2025			
Local Check Name		CSR 27		CSR 27			

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Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Inland Saline, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN	
		Gujarat	
		Navasari	
4702	CSR 23 (Inland Saline Toletant)	776	
4704	32791	2050	7
4706	PR 127 (Observational sensitive check)	1040	10
4707	32785		
4708	32778	1874	8
4709	CSR 10 (Early duration Saline check)	2184	6
4711	32787	2546	5
4712	CSR 36 (Alkaline Tolerant check)	3283	1
4714	FL 478 (Saline tolerant & donor)	3087	3
4715	32788	3078	4
4716	LC	3166	2
4718	Pusa 44 (Sensitive check)	1305	9
Experimental Mean		2217	
CD(0.05)		666	
CV(%)		17.65	
F val		15.83**	
DOS		23-06-2025	
DOP		31-07-2025	
Local Check Name		GNR-5	

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Inland Saline, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN								ZONE VII - SOUTHERN (3)	
		Karnataka				Karnataka (2)		Kerala		SOUTHERN (3)	
		Gangavati		Mugad		Mean		Vytilla		Mean	
4702	CSR 23 (Inland Saline Toletant)	3879	5	4511	6	4195	4	2000	10	3463	10
4704	32791	3748	6	4517	5	4132	7	833		3033	
4706	PR 127 (Observational sensitive check)	3274	8	4504	8	3889	9	2500	9	3426	
4707	32785			5342	1	5342	1*			5342	2*
4708	32778	3997	2	5050	3	4523	3	6417	2*	5155	3*
4709	CSR 10 (Early duration Saline check)	2634		4578	4	3606		3333	8	3515	9
4710	32780	4633	1*	4507	7	4570	2	7667	1*	5602	1*
4711	32787	3967	3	4402		4184	5	4333	7	4234	6
4712	CSR 36 (Alkaline Tolerant check)	2950	10	4350		3650		1833		3044	
4714	FL 478 (Saline tolerant & donor)	2801		5066	2	3933	8	4833	4	4233	7
4715	32788	3265	9	4487	9	3876	10	5500	3	4417	4
4716	LC	3932	4	4415	10	4173	6	4833	4	4393	5
4718	Pusa 44 (Sensitive check)	3406	7	4325		3865		4667	6	4132	8
Experimental Mean		3540		4619		4149		4062		4153	
CD(0.05)		580		576		403		928		431	
CV(%)		9.67		7.4		5.76		13.5		6.16	
F val		8.79**		2.62*		11.2**		40.68**		32.73**	
DOS		09-07-2025		13-08-2025				13-06-2025			
DOP		13-08-2025		01-09-2025				14-07-2025			
Local Check Name		GNV 1109		DRV-08				VTL 10(KAU Lavanya)			

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Inland Saline, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						ZONE II - NORTHERN (2)		
		Haryana								
		Panipat			Rohtak			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4701	31862*	71	96	314	90	88	254	80	92	284
4702	CSR 23 (Inland Saline Toletant)	69	66	214	82	96	228	75	81	221
4703	32792	102	62	232	86	89	257	94	76	244
4704	32791	108	89	177	109	61	182	108	75	180
4705	31858*	69	81	262	92	70	269	80	76	266
4706	PR 127 (Observational sensitive check)	97	77	90	82	51	93	89	64	92
4707	32785									
4708	32778	89	77	261	100	65	197	94	71	229
4709	CSR 10 (Early duration Saline check)	75	53	162	105	66	168	90	59	165
4711	32787	109	85	164	100	76	176	105	81	170
4712	CSR 36 (Alkaline Tolerant check)	99	59	212	106	87	224	102	73	218
4713	32776	69	76	250	102	91	267	85	83	259
4714	FL 478 (Saline tolerant & donor)	68	73	154	85	63	166	77	68	160
4715	32788	91	84	310	98	94	320	95	89	315
4716	LC	99	87	165	98	95	194	99	91	180
4717	32783	91	63	206	93	89	253	92	76	230
4718	Pusa 44 (Sensitive check)	84	80	118	109	59	99	96	70	108
Experimental Mean		86	75	205	96	77	209	91	77	208
Standard Error		1.89			2.4			1.56		

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Inland Saline, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		
		Gujarat		
		Navasari		
		DFF	PH	PAN
4702	CSR 23 (Inland Saline Toletant)	88	135	329
4704	32791	114	114	341
4706	PR 127 (Observational sensitive check)	88	104	329
4707	32785			
4708	32778	89	115	317
4709	CSR 10 (Early duration Saline check)	87	84	338
4711	32787	94	110	341
4712	CSR 36 (Alkaline Tolerant check)	97	117	338
4714	FL 478 (Saline tolerant & donor)	88	116	320
4715	32788	96	134	299
4716	LC	92	140	317
4718	Pusa 44 (Sensitive check)	91	104	314
Experimental Mean		93	115	325
Standard Error		0.77		

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – AL & ISTVT Inland Saline, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN												ZONE VII - SOUTHERN (3)		
		Karnataka						Karnataka (2)			Kerala					
		Gangavati			Mugad			Mean			Vytilla			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
4702	CSR 23 (Inland Saline Toletant)	88	106	291	95	62	296	91	84	293	110	92	159	98	86	248
4704	32791	110	94	329	100	56	287	105	75	308	128	119	299	112	90	305
4706	PR 127 (Observational sensitive check)	100	81	311	109	60	334	104	70	322	110	81	187	106	74	277
4707	32785				102	71	319	102	71	319	120	113	200	111	92	260
4708	32778	100	98	350	103	67	291	101	82	320	118	113	336	107	92	326
4709	CSR 10 (Early duration Saline check)	90	66	362	99	63	274	94	64	318	104	81	650	98	70	428
4710	32780	105	104	303	97	80	299	101	92	301	114	121	355	105	102	319
4711	32787	101	94	307	98	62	337	100	78	322	111	102	317	103	86	320
4712	CSR 36 (Alkaline Tolerant check)	124	97	308	112	69	335	118	83	322	124	124	345	120	97	329
4714	FL 478 (Saline tolerant & donor)	94	83	267	94	54	289	94	69	278	108	101	345	99	80	301
4715	32788	104	99	292	93	74	346	98	86	319	115	120	327	104	97	321
4716	LC	98	101	325	108	61	298	103	81	312	88	129	271	98	97	298
4718	Pusa 44 (Sensitive check)	106	91	294	103	62	287	104	77	290	111	115	299	107	89	293
Experimental Mean		101	92	311	101	64	307	101	78	310	112	108	314	105	89	310
Standard Error		0.52			0.81			0.44			0			0.53		

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Saline Microplot, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						
		Haryana			Vigor Score/ SES			
		Karnal			R1	R2	R3	Mean
4701	31862*	4889	2*	4701	3	3	3	3
4702	CSR 23 (Inland Saline Toletant)	3444	9	4702	5	5	5	5
4703	32792	4500	6	4703	5	5	3	4.3
4704	32791	3167		4704	5	7	7	6.3
4705	31858*	4759	3*	4705	3	3	3	3
4706	PR 127 (Observational sensitive check)	3093		4706	7	7	7	7
4707	32785			4707				
4708	32778	5222	1*	4708	3	3	3	3
4709	CSR 10 (Early duration Saline check)	3204		4709	7	7	5	6.3
4711	32787	3019		4711	7	7	7	7
4712	CSR 36 (Alkaline Tolerant check)	3574	8	4712	5	5	5	5
4713	32776	4759	3*	4713	5	3	3	3.7
4714	FL 478 (Saline tolerant & donor)	2741		4714	7	7	7	7
4715	32788	4741	5*	4715	3	3	3	3
4716	LC	3407	10	4716	5	5	7	5.7
4717	32783	4444	7	4717	5	5	3	4.3
4718	Pusa 44 (Sensitive check)	2074		4718	7	7	9	7.7
Experimental Mean		3815						
CD(0.05)		1135						
CV(%)		20.88						
F val		3.1**						
DOS		20-06-2025						
DOP		22-07-2025						
Local Check Name		CSR 27						

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – AL & ISTVT Saline Microplot, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		
		Haryana		
		Karnal		
		DFF	PH	PAN
4701	31862*	88	82	242
4702	CSR 23 (Inland Saline Toletant)	80	85	176
4703	32792	96	79	202
4704	32791	110	73	133
4705	31858*	90	77	222
4706	PR 127 (Observational sensitive check)	93	66	120
4707	32785			
4708	32778	85	73	227
4709	CSR 10 (Early duration Saline check)	98	61	167
4711	32787	95	74	147
4712	CSR 36 (Alkaline Tolerant check)	108	88	189
4713	32776	105	88	221
4714	FL 478 (Saline tolerant & donor)	85	65	123
4715	32788	86	76	233
4716	LC	98	84	200
4717	32783	107	80	211
4718	Pusa 44 (Sensitive check)	108	65	100
Experimental Mean		95	76	182
Standard Error		3.98		

Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Normal, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN	
		Gujarat	
		Nawagam	
4702	CSR 23 (Inland Saline Toletant)	1813	
4704	32791	4165	7
4706	PR 127 (Observational sensitive check)	3276	10
4707	32785	4377	5
4708	32778	4570	1
4709	CSR 10 (Early duration Saline check)	2241	
4711	32787	4430	2
4712	CSR 36 (Alkaline Tolerant check)	4396	4
4714	FL 478 (Saline tolerant & donor)	3834	9
4715	32788	4401	3
4716	LC	3911	8
4718	Pusa 44 (Sensitive check)	4343	6
Experimental Mean		3813	
CD(0.05)		648	
CV(%)		10.03	
F val		17.01**	
DOS		01-07-2025	
DOP		01-08-2025	
Local Check Name		Dandi	

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Table No. 15.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – AL & ISTVT Normal, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN	
		Tamil Nadu	
		Annamalainagar	
4702	CSR 23 (Inland Saline Toletant)	3220	10
4704	32791	3598	2
4706	PR 127 (Observational sensitive check)	3424	6
4707	32785	2427	
4708	32778	3502	3
4709	CSR 10 (Early duration Saline check)	3198	
4710	32780	3236	9
4711	32787	3447	5
4712	CSR 36 (Alkaline Tolerant check)	3329	7
4714	FL 478 (Saline tolerant & donor)	2227	
4715	32788	3298	8
4716	LC	3638	1
4718	Pusa 44 (Sensitive check)	3469	4
Experimental Mean		3232	
CD(0.05)		291	
CV(%)		5.34	
F val		18.35**	
DOS		30-06-2025	
DOP		29-07-2025	
Local Check Name		BPT 5204	

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – AL & ISTVT Normal, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		
		Gujarat		
		Nawagam		
		DFF	PH	PAN
4702	CSR 23 (Inland Saline Toletant)	78	82	7
4704	32791	101	105	20
4706	PR 127 (Observational sensitive check)	80	92	16
4707	32785	83	110	19
4708	32778	88	112	22
4709	CSR 10 (Early duration Saline check)	86	68	8
4711	32787	86	132	28
4712	CSR 36 (Alkaline Tolerant check)	96	108	21
4714	FL 478 (Saline tolerant & donor)	78	97	15
4715	32788	88	111	22
4716	LC	85	91	17
4718	Pusa 44 (Sensitive check)	94	94	14
Experimental Mean		86	100	17
Standard Error		0.56		

Table No. 15.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – AL & ISTVT Normal, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN		
		Tamil Nadu		
		Annamalainagar		
		DFP	PH	PAN
4702	CSR 23 (Inland Saline Toletant)	80	88	442
4704	32791	111	110	421
4706	PR 127 (Observational sensitive check)	80	80	425
4707	32785	84	99	304
4708	32778	74	102	496
4709	CSR 10 (Early duration Saline check)	81	67	481
4710	32780	96	102	425
4711	32787	91	85	459
4712	CSR 36 (Alkaline Tolerant check)	102	103	464
4714	FL 478 (Saline tolerant & donor)	87	80	301
4715	32788	90	106	295
4716	LC	105	92	330
4718	Pusa 44 (Sensitive check)	122	95	406
Experimental Mean		92	93	403
Standard Error		1.15		

Table No. 15.4: Grain quality characteristics of entries in AVT 2 & 1 – AL & ISTVT, Kharif 2025

Code	Designation	IET Number	HULL	MILL	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1860	4701	31862	78.5	73.3	70.7	7.27	2.11	3.44	LS	VOC	5.0	25.84	22
1861	4702	CSR - 23 (Inland Saline Tolerant)	75.7	65.5	56.2	5.69	2.45	2.32	SB	VOC	4.0	21.12	55
1862	4703	32792	77.5	71.3	67.0	7.06	2.04	3.46	LS	A	7.0	26.66	22
1863	4704	32791	79.6	71.6	65.4	5.18	1.85	2.80	MS	A	4.0	26.89	26
1864	4705	31858	78.2	71.4	65.1	6.37	2.23	2.85	LB	VOC	4.0	24.58	58
1865	4706	PR - 127 (Observational sensitive check)	78.6	72.5	70.2	6.31	2.17	2.90	LB	VOC	7.0	26.57	42
1866	4707	32785	78.0	67.9	54.4	5.80	2.14	2.71	MS	VOC	-	-	-
1867	4708	32778	79.0	71.8	64.2	7.54	2.06	3.66	LS	A	7.0	27.69	73
1868	4709	CSR -10 (Early duration saline check)	77.8	70.5	61.3	5.34	2.56	2.08	SB	OC	7.0	24.22	46
1869	4710	32780	77.1	70.0	64.8	6.59	1.85	3.56	LS	A	-	-	-
1870	4711	32787	78.8	71.7	68.0	6.85	2.21	3.09	LS	VOC	4.0	27.22	65
1871	4712	CSR - 36 (Alkaline tolerant check)	79.1	71.7	63.3	7.12	2.07	3.43	LS	VOC	4.0	26.78	48
1872	4713	32776	79.1	72.3	67.7	7.18	2.07	3.46	LS	VOC	4.0	26.45	40
1873	4714	FL -478 (Saline tolerant & donor)	79.8	70.2	57.3	6.51	2.33	2.79	LB	OC	4.0	24.72	22
1874	4715	32788	79.6	73.2	68.3	6.64	2.17	3.05	LS	VOC	4.0	28.16	70
1875	4716	LC	78.9	72.9	67.9	7.11	2.10	3.38	LS	A	4.0	28.42	76
1876	4717	32783	78.2	71.4	65.7	6.75	2.03	3.32	LS	A	7.0	27.66	60
1877	4718	PUSA - 44 (Sensitive check)	78.3	67.5	64.5	5.54	2.07	2.67	MS	VOC	7.0	23.43	22
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

**INITIAL VARIETY TRIAL - ALKALINE AND INLAND SALINE TOLERANT
VARIETY TRIAL (IVT - AL & ISTVT)**

Locations: 18

Test Entries: 21

Checks: CSR 36 (Alkaline check), CSR 10 (Early duration saline check), FL 478 (Saline Tolerant check), CSR 23 (Inland Saline check), Pusa 44 (Sensitive check), PR 127 (Observational Sensitive Check) and Local check **Table: 16**

IVT - AL & ISTVT constituted with 28 entries including 7 checks and 21 test entries. The trial sent to 20 locations and data was received from 18 locations except Jind (Karnal) and Kurumbapet (Puducherry). The analyzed data pertaining to yield, days to 50% flowering, plant height, panicles/m² and quality presented in tables 16.2 and 16.3. Inclusion of locations in the final analysis is based on monitoring tour reports and location wise general information about stress level of EC and pH, CV%, yield range and mean yield as presented in tabular form.

General information about soil stress parameters and yield performance of entries under alkalinity and inland salinity in IVT AL & ISTVT, Kharif, 2025

Location/State	Soil pH	Soil EC (dSm ⁻¹)	Exptl mean (kg/ha)	Grain Yield Range (Kg/ha)	CV %	Remarks
Alkalinity						
Zone-II						
Karnal (Haryana) (Sodic microplots)	9.7	1.5	3645	2167 - 5074	13.1	Data considered for identification of tolerant genotypes
Kurukshetra (Haryana)	9.6	1.2	3782	2153-5167	18.9	Data considered for analysis
Anjanteli	9.7	1.2	3765	2293-5047	13.6	Data considered for analysis
Kanpur (Uttar Pradesh)	9.8	0.2	3352	1518-6026	14.3	Data considered for analysis
Zone-III						
Gautam B. Nagar (UP)	9.6	1.5	3679	2093-5160	13.5	Data considered for analysis
Masodha (UP)	9.1	3.1	4240	3063-5740	20.5	Sensitive highest yield among checks. Data not considered.
Lucknow	9.2-9.5	0.7-0.9	1961	222-4407	17.1	Data considered for analysis
Zone-VI						
Nawagam	8.1	0.43	4490	3343-5147	10.7	Sensitive highest yield among checks. Data not considered.
Zone-VII						
Kampasagar (Telangana)	8.5	2.5	4754	2200-6626	28.4	F-Value Non-Significant. Data not considered.
Karaikal (Puducherry)	8.7	1.7	2604	1467-5489	10.4	Sensitive highest yield among checks. Data not considered.
Annamalainagar (TN)	8.8	1.7	3065	2060-3749	6.28	Data considered for analysis
Trichy	8.8	2.4	1878	143-4553	57.3	High CV. Data not considered.
Inland Saline conditions						
Zone-II						
Karnal (Inland Saline microplot)	7.5	9.5	3669	1852-4889	18.5	Data considered for identification of tolerant genotypes
Rohtak (Karnal)	7.7	9.2	3714	2240-5153	14.9	Sensitive highest yield among checks. Data not considered.
Panipat (Haryana)	7.7	9.2	3656	2073-5080	18.3	Data considered for analysis

Location/State	Soil pH	Soil EC (dSm ⁻¹)	Exptl mean (kg/ha)	Grain Yield Range (Kg/ha)	CV %	Remarks
Zone-VI						
Danti (Navsari)	8.7	5.3	2392	466 - 4246	19.1	Sensitive highest yield among checks. Data not considered
Zone-VII						
Gangavati (Karnataka)	8.3	7.8	2958	1096-4892	10.1	Sensitive highest yield among checks. Data not considered
Mugad	5.7	7.8	5547	4648-8328	13.3	Sensitive highest yield among checks. Data not considered
Vytilla (Kerala)	4.96	5.0	3908	1167-6083	14.5	Data considered for analysis

Performance of entries under controlled microplot conditions in IVT - AL & ISTVT

Under controlled stress conditions in microplot evaluation at ICAR-CSSRI, Karnal, the IETs. 33788 , 33794, 33796, 33797, 33799 and 33800, possessed dual tolerance for sodicity and inland salinity with a tolerance score of 3.0 - 5.0 as compared to tolerant and sensitive checks, which scored SES scores of 5-7 and 7-8 respectively. IET 33792 with SES of 5.0 found promising for inland saline conditions while IETs 33789, 33791, 33803, 33804 & 33805 found promising for alkaline conditions with SES score of 3.0 - 5.0 as compared to tolerant and sensitive checks.

Table 16.4: Zone wise information of IVT AL &ISTVT during Kharif, 2025

Zones	Alkaline conditions			Inland saline conditions	
	II (3)	III (3)	VII (4)	II (2)	VII (3)
Zonal mean (Kg/ha)	2165 (Pusa 44)– 4818 (IET 33797)	1481 (IET 33789) – 4707 (IET 33797)	2060 (IET 33805) – 3749 (IET 33796)	2073 (Pusa 44)- 5080 (IET 33796)	
Exp Mean (Kg/ha)	3352(Kanpur)- 3782 (Kurukshetra)	1961 (LCK) – 3679 (GBN)	3065 (A-Nagar)	3656 (Panipat)	3908 (Vytilla)
CV%	13.62 (Anjanteli)- 18.97(Kurukshetra)	13.53 (GBN) – 17.1 (LCK)	6.28 (A-Nagar)	18.32 (PNP)	14.5 (Vytilla)
DFF	68 (FL 478) – 91 (IET 33785)	90 (FL 478) – 113 (IET33785)	80 (IET 33787) – 114 (LC)	77 (FL 478) - 111 (IET 33801, 33805)	88 (LC) -130 (Pusa 44)
PH (cm)	60 (CSR 10) – 101(IET 33794)	59 (CSR 10) – 103 (IET33797)	64 (CSR 10) – 114 (IET 33790)	37(FL 478) - 99 (IET 33794)	86 (CSR 10)- 148 (IET 33805)
Pan/m ²	140 (IET 33786) – 335 (IET 33797)	158 (IET 33789) – 382 (IET 33797)	277 (IET 33791) – 520 (IET 33796)	108 (Pusa 44)- 385 (IET 33797)	196 (IET 33790) -439 (Pusa 44)
Data Not Included	-	Masodha	Kampasagar, Trichy, Karaikal (Puducherry)	Rohtak	Gangavati & Mugad
Locations considered	3	2	1	1	1

Zone wise entries in AL & ISTVT under alkaline conditions and inland saline conditions tested in four zones (Z-II, III, and VI & VII). The experimental mean in zone-II varied from 1961 kg/ha (Lucknow) in Zone –III to 3782 kg/ha (Kurukshetra) in Zone-II for alkaline conditions. Only one location each found suitable in Zone-II (Panipat) and Zone VII (Vytilla)) under inland saline conditions with an experimental of 3656 kg/ha (Panipat) and 3908 kg/ha (Vytilla) respectively. Days to 50% varied from 68 days (Z-II) to 114 (LC), while the plant stature of 59 cm (CSR 10) to 114 (IET 33790) and 37 cm (FL 478) to 148 (IET 33805) under

alkaline and in land saline conditions. The CV% varied from 6.28 % (Annamalainagar) to 18.97 (Kurukshetra) across zones under alkaline and inland saline conditions (Table 16.4).

Performance of entries under alkaline conditions during Kharif, 2025

Under alkaline conditions, data received from 12 locations including sodic microplot screening. The data from six locations only found suitable for inclusion in the final analysis. Among the test entries, **IET 33797** [CSR 388-16-198] in Zone-II & Zone –III over best check; **IET 33804** [NVS-5148] in Zone-VII over early check recorded required significant yield superiority (Table 16.5).

IET 33797 and IET 33804 are promoted to AVT 1 AL&ISTVT under alkaline conditions

Table 16.5: Zone –wise performance of the entries with required significant yield superiority over checks in IVT - AL ISTVT during Kharif 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha/); Rank; DFF					Remarks
	Alkaline Conditions			Inland Saline		
	II (3)	III (2)	VII (1)	II (1)	VII(1)	
33796 [RP SLK S159 (6887)] MTU1001/Burarata//BPT5204/CGIL24				5080 (1) 96		Promoted
33788 [RP SLK S81 (6886)] BPT5204/Kalanamak//IR64/GL190				4940 (2) 90	5583(2) 108	Promoted
33789 [KR 22006] ADT 45/Nonabokra					6083(1) 101	Promoted
33797 [CSR 388-16-198] PUSA 229 X Pokkali	4818 (1) 80	4707 (1) 98				Promoted
33804 [NVS-5148] GR17*3/IR55179-3B-11-3			3227 80			Promoted
CSR 36 (Alkaline check)	4144 /90	3428/103	3564/97	3720/106	4167/116	
CSR 23 (Inland Saline)	4005/78	3461/94	2481/81	3820/93	3667/108	
CSR 10 (Early Saline)	4229/80	3279/98	3698/86	3407/95	3583/108	
FL 478 (Saline tolerant)	2747/68	2011/90	2763/86	3200/77	3583/108	
LC	3504/80	3253/102	3706/114	3820/92	4583/88	
Pusa 44	2165/90	2504/105	2625/102	2073/109	2417/130	
PR 127 (Observational check)	3050/82	1921/102	3078/86	2467/95	3917/102	

Performance of entries under inland saline conditions during Kharif, 2025

Under inland saline conditions, trial was sent to seven locations in Zone-II, Zone-VI and Zone-VII. Only two locations found suitable for inclusion in the final analysis (Table 48.1). Among the test entries under inland saline conditions, IET nos. 33796 (RP SLK S159 (6887)) and IET 33788 [RP SLK S81 (6886)] in Zone-II; IET 33789 (KR 22006) and IET 33788 (RP SLK S81 (6886)) in Zone- VII exhibited the required significant yield advantage over best check.

IET Nos. 33796, 33788 and 33789 are promoted to AVT1-AL&ISTVT under inland saline conditions.

Summary of IVT - AL & ISTVT

<u>Alkaline conditions</u> Zone II & III: IET 33797 Zone VII: IET33804	<u>Inland Saline conditions</u> Zone II: IET Nos. 33796 & 33788 Zone VII: IET Nos. 33788 & 33789

IET Nos. 33797, 33804, 33796, 33788 & 33789 promoted to AVT1- AL&ISTVT.

Table No. 16.1: Composition of entries in Initial Variety Trial – Alkaline and Inland Saline Tolerant Variety Trial (IVT – AL & ISTVT), Kharif 2025

Entry No	IET No	Designation	Cross Combination	Grain Type
4801	33785	NVSR-6682	GNRXIR11T230	LB
4802	33786	RP 6854-IR18T1331	IR14D154/IR11T205	MS
4803	33787	NVSR-5141	GR17*3/IR55179-3B-11-3	LB
4804	Alkaline Tolerant check (CSR 36)			
4805	33788	RP SLK S81 (6886)	BPT5204/Kalanamak//IR64/GL190	MB
4806	33789	KR 22006	ADT 45/ Nonabokra	SB
4807	33790	GKTK-BC21-11-61/NIL (BC2F5:6)	Hybrid	MS
4808	Early duration Saline check (CSR 10)			SB
4809	33791	RP 6858-IR20R1388	IRRI 168*4/RATAWEE	LS
4810	33792	GKTK-BC21-1-2/NIL (BC2F5:6)	PB1*2/Oryza glaberrima S.	LS
4811	33793	RP 6856-IR20R1985	TCCP 266-1-3B-13-1-3*4/TKM 9	MS
4812	Inland Saline Toletant (CSR 23)			
4813	33794	CSR 401-16-125	1612 X CSR 10	LS
4814	33795	RP 6328-218-B-29-1	APMS6B/FL478	MS
4815	Observational check (PR 127)			
4816	33796	RP SLK S159 (6887)	MTU1001/Burarata//BPT5204/CGIL24	SB
4817	33797	CSR 388-16-198	PUSA 229 X POKKALI	MS
4818	Saline tolerant & donor (FL 478)			
4819	33798	RP 6855-IR18T1135	IR14D153/IR11T189	MB
4820	33799	CSR 269-16-121	PUSA 44 X PNL-3	MB
4821	33800	RP SLK S40 (6885)	MTU1010/Nonabokra//IR64/ GL167	SB
4822	Sensitive check (Pusa 44)			
4823	33801	RP 6853-IR16T1655	IRRI 154/A 69-1//IR12T254	MB
4824	33802	NDR 2025-18-TFR-ICAR-5	CSR 27 Mutant	LS
4825	33803	KPS-14951	GK-5022/RNR-15048	MS
4826	33804	NVSR-5148	GR17*3/IR55179-3B-11-3	LB
4827	33805	GKS-188-1-185/RIL (F7:8)	IR29/Oryza glaberrima S.	MB
4828	Local check (LC)			

Table No. 16.2: Grain Yield (kg/ha) in IVT – AL & ISTVT (Alkalinity), Kharif 2025

Entry No	JET No	ZONE II - NORTHERN					ZONE II - NORTHERN (3)		ZONE III - EASTERN		ZONE III - EASTERN (2)		ZONE VII - SOUTHERN		Uttar Pradesh (3)	
		Haryana		Haryana (2)		Uttar Pradesh		Mean	Uttar Pradesh		Mean	Tamil Nadu	Annamalai nagar	Mean		
		Anjanteli (Karnal)	Kurukshetra	Mean	Kanpur	Gautam Budda Nagar	Lucknow									
4801	33785	3567	4333	7	3950	7	3323	3741	3727	1407	2567	3318		2819		
4802	33786	3407	2813		3110		4815	6	3678	3130	4	3345	7	3835	7	
4803	33787	3220	3207		3213		3423	3283	3287	1954		2749		2888		
4804	Alkaline Tolerant check (CSR 36)	3680	3853		3767		4897	5	4144	7	3660	3196	3	3564	6	
4805	33788	4787	4*	5167	1	4977	2*	3764	4572	3	5160	1*	2107	3461	8	
4806	33789	3627		2620		3123		6026	1	4091	8	2620		3261	2996	
4807	33790	3580	3720		3650		4589	8	2973		2973	781		3301	2781	
4808	Early duration Saline check (CSR 10)	3633	3513		3573		5541	3	4229	4	3647		6	3279	8	
4809	33791	3560	3073		3317		5941	2	4192	6	3753	10	2730	2116	4141	
4810	33792	3307	2460		2883		2398		2722		3887	8	2096	2991	2794	
4811	33793	3540	3800		3670		5319	4	4220	5	3500			2346	3869	
4812	Inland Saline Toletant (CSR 23)	3693	10	3727		3710		4595	7	4005		3420	2	2481	3839	
4813	33794	4820	3*	4773	5	4797	5*	4282	4625	2	4867	3*	894	2881	3348	
4814	33795	3393		3880		3637		2186	3153		3687		2202	2944	2692	
4815	Observational check (PR 127)	3587	4040	10	3813		1523	3050	3620		222	1921	3078	1789		
4816	33796	5027	2*	4987	3	5007	1*	2135	4050		4560	6*	963	2761	2553	
4817	33797	5047	1*	4827	4	4937	3*	4582	9	4818	1*	5007	2*	4407	1*	
4818	Saline tolerant & donor (FL 478)	3207	3113		3160		1922		2747		2553		1469	2011	1981	
4819	33798	3260	3400		3330		1840		2833		2847		1274	2060	1987	
4820	33799	4547	6*	5100	2	4823	4*	2600	4082	9	4780	5*	2054	3417	3145	
4821	33800	4673	5*	4753	6	4713	6*	1959	3795		4813	4*	2465	10	3079	
4822	Sensitive check (Pusa 44)	2293	2153		2223		2047		2165		2093		2915	5	2352	
4823	33801	3993	7	3780		3887	9	1555	3109		3060		1398	2229	2004	
4824	33802	3587		4047	9	3817	10	1635	3089		4093	7	2407	3250	2712	
4825	33803	3793	8	4033		3913	8	1633	3153		3300		474	1887	1802	
4826	33804	3413		4207	8	3810		4549	10	4056	10	3000		3227	3076	
4827	33805	3740	9	2700		3220		1518	2653		3867	9	289	2078	1891	
4828	Local check (LC)	3440	3807		3623		3264		3504		3667		2839	7	3257	
Experimental Mean		3765	3782		3773		3352		3633		3679		1961	2820	2997	
CD(0.05)		839	1174		733		783		574		815		548	602	421	
CV(%)		13.62	18.97		11.87		14.26		9.65		13.53		17.06	13.03	8.58	
Fval		4.61**	3.93**		7.2**		30.26**		11.28**		7.28**		33.32**	11.64**	28.45**	
DOS		20-06-2025	20-06-2025		28-06-2025		28-06-2025		25-06-2025		17-06-2025		30-06-2025	22.02**		
DOP		22-07-2025	22-07-2025		12-08-2025		12-08-2025		27-07-2025		21-07-2025		29-07-2025	30-06-2025		
Local Check Name		CSR 36	CSR 36		CSR 36		Sarjoo 52		CSR 36		CSR 60		BPT 5204			

Table No. 16.2 (Contd.): Grain Yield (kg/ha) in IVT – AL & ISTVT (Alkalinity), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN	
		Telangana @Kampasagar	Tamilnadu @Trichy
4801	33785	5575	4553
4802	33786	4132	2269
4803	33787	5892	1317
4804	Alkaline Tolerant check (CSR 36)	6626	2624
4805	33788	6601	1085
4806	33789	5037	1510
4807	33790	5880	1116
4808	Early duration Saline check (CSR 10)	4804	143
4809	33791	6540	3444
4810	33792	5232	1409
4811	33793	2249	1106
4812	Inland Saline Toletant (CSR 23)	5269	740
4813	33794	5061	1889
4814	33795	4768	289
4815	Observational check (PR 127)	2249	838
4816	33796	4804	2861
4817	33797	2359	165
4818	Saline tolerant & donor (FL 478)	4694	379
4819	33798	5892	1551
4820	33799	2200	3028
4821	33800	5147	2128
4822	Sensitive check (Pusa 44)	6516	2645
4823	33801	2763	4333
4824	33802	4291	2253
4825	33803	5147	2393
4826	33804	4645	495
4827	33805	2824	2088
4828	Local check (LC)	5917	3941
Experimental Mean		4754	1878
CD(0.05)		2209	1760
CV(%)		28.38	57.25
F val		1.44ns	4**
DOS		03-07-2025	
DOP		06-08-2025	
Local Check Name		KPS-2874	

Table No. 16.2 (Contd.): Grain Yield (kg/ha) in IVT – AL & ISTVT (Sodic Microplot), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN	
		Haryana	Vigour Score / SES
4801	33785	3815	10
4802	33786	3444	6.3
4803	33787	2333	7.7
4804	Alkaline Tolerant check (CSR 36)	3778	4.3
4805	33788	4963	3*
4806	33789	3944	4.3
4807	33790	2796	7
4808	Early duration Saline check (CSR 10)	3500	6.3
4809	33791	3759	5
4810	33792	3574	5.7
4811	33793	3296	6.3
4812	Inland Saline Toletant (CSR 23)	3778	5.7
4813	33794	3981	8
4814	33795	3574	3.7
4815	Observational check (PR 127)	2519	5.7
4816	33796	5074	1*
4817	33797	5000	2*
4818	Saline tolerant & donor (FL 478)	3241	6.3
4819	33798	2667	7
4820	33799	4759	4*
4821	33800	4722	5*
4822	Sensitive check (Pusa 44)	2167	8.3
4823	33801	2852	7
4824	33802	2889	7
4825	33803	4093	6
4826	33804	3796	5
4827	33805	4093	6
4828	Local check (LC)	3648	5
Experimental Mean		3645	
CD(0.05)		780	
CV(%)		13.08	
F val		8.37**	
DOS		20-06-2025	
DOP		22-07-2025	
Local Check Name		CSR 36	

Table No. 16.2 (Contd.): Grain Yield (kg/ha) in IVT – AL & ISTVT (Inland Saline), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		ZONE VII - SOUTHERN	
		Haryana	Kerala	Panipat	Vytilla
4801	33785	4100	2917	7	
4802	33786	2267	4500		
4803	33787	3600	3917		
4804	Alkaline Tolerant check (CSR 36)	3720	4167		
4805	33788	4940	5583	2*	
4806	33789	3553	6083	1*	
4807	33790	3407	1167		
4808	Early duration Saline check (CSR 10)	3407	3583		
4809	33791	3080	4500	9	
4810	33792	2393	3667		
4811	33793	3400	5250	4	
4812	Inland Saline Tolerant (CSR 23)	3820	3667		
4813	33794	4753	4500	9	
4814	33795	3667	3750		
4815	Observational check (PR 127)	2467	3917		
4816	33796	5080	5500	3	
4817	33797	4860	3500		
4818	Saline tolerant & donor (FL 478)	3200	3583		
4819	33798	3353	4750	5	
4820	33799	4913	1750		
4821	33800	4627	3667		
4822	Sensitive check (Pusa 44)	2073	2417		
4823	33801	3040	3333		
4824	33802	4073	4667	6	
4825	33803	3560	4667	6	
4826	33804	3760	3250		
4827	33805	3433	2583		
4828	Local check (LC)	3820	4583	8	
Experimental Mean		3656	3908		
CD(0.05)		1097	928		
CV(%)		18.32	14.5		
F val		4.46**	11.69**		
DOS		20-06-2025	13-06-2025		
DOP		22-07-2025	14-07-2025		
Local Check Name		CSR 27	VTL 10(KAU Lavanya)		

Table No. 16.2 (Contd.): Grain Yield (kg/ha) in IVT – AL & ISTVT (Saline Microplot), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		Vigor Score/ SES
		Haryana	Karnal Saline	
4801	33785	4241	7	3.7
4802	33786	3259		7
4803	33787	3574		7
4804	Alkaline Tolerant check (CSR 36)	3630		5.7
4805	33788	4741	2	3
4806	33789	3556		6.3
4807	33790	3444		7
4808	Early duration Saline check (CSR 10)	3574		5.7
4809	33791	3574		6.3
4810	33792	4037	9	5
4811	33793	2537		7.7
4812	Inland Saline Tolerant (CSR 23)	3407		7
4813	33794	4648	5	3
4814	33795	2796		7.7
4815	Observational check (PR 127)	3611		6.3
4816	33796	4889	1*	3
4817	33797	4722	4	3
4818	Saline tolerant & donor (FL 478)	2815		7.7
4819	33798	3685	10	5.7
4820	33799	4556	6	3.7
4821	33800	4741	2	3
4822	Sensitive check (Pusa 44)	1852		8.3
4823	33801	4074	8	5.7
4824	33802	3537		7
4825	33803	3537		7
4826	33804	2778		7.7
4827	33805	3463		6.3
4828	Local check (LC)	3463		5
Experimental Mean		3669		
CD(0.05)		1112		
CV(%)		18.51		
F val		3.51**		
DOS		20-06-2025		
DOP		22-07-2025		
Local Check Name		CSR 27		

Table No. 16.2 (Contd.): Grain Yield (kg/ha) in IVT – AL & ISTVT (Alkaline_Normal), Kharif 2025

Entry No	IET No	ZONE III - EASTERN		ZONE VI - WESTERN			ZONE VI - WESTERN (2)		ZONE VII - SOUTHERN	
		Uttar Pradesh		Gujarat		Nawagam	Mean		Puducherry	Karaikal
		Masodha		Navasari						
4801	33785	5674	2	2075		4574	3324		2033	
4802	33786	4300		2289		3896	3092		2056	
4803	33787	5559	3	1072		4497	2785		2800	9
4804	Alkaline Tolerant check (CSR 36)	3431		2395		4820	3607		2967	7
4805	33788	3196		1524		4257	2890		2289	
4806	33789	4176		1170		3761	2466		2267	
4807	33790	4388	10	820		3660	2240		1856	
4808	Early duration Saline check (CSR 10)	4277		1250		5022	3136		3333	6
4809	33791	4056		4239	2	4873	4556	3	3356	5
4810	33792	5204	6	2545		4699	3622		2456	
4811	33793	3777		3035	10	4868	3951	8	1944	
4812	Inland Saline Toletant (CSR 23)	4725	9	466		3343	1905		2611	
4813	33794	3887		3242	7	3670	3456		3878	3
4814	33795	5217	5	2898		4873	3885	9	2244	
4815	Observational check (PR 127)	3688		2491		3627	3059		2133	
4816	33796	3808		4067	3	5147	4607	2	2367	
4817	33797	3063		989		4425	2707		2422	
4818	Saline tolerant & donor (FL 478)	3280		1422		4945	3183		1544	
4819	33798	4809	8	2073		5060	3566		1900	
4820	33799	3613		3570	4	4935	4253	4	2100	
4821	33800	3945		2874		4757	3816	10	3911	2
4822	Sensitive check (Pusa 44)	4978	7	4246	1	5142	4694	1	3389	4
4823	33801	3590		3464	5	4651	4058	6	2911	8
4824	33802	3347		3415	6	5079	4247	5	2756	10
4825	33803	3520		3171	8	4824	3998	7	2422	
4826	33804			2604		4329	3467		2000	
4827	33805	5740	1	476		4117	2296		1467	
4828	Local check (LC)	5230	4	3105	9	3858	3481		5489	1
Experimental Mean		4240		2392		4490	3441		2604	
CD(0.05)		1421		749		785	553		443	
CV(%)		20.46		19.13		10.68	9.81		10.4	
F val		2.64**		18.21**		3.84**	14.25**		29.58**	
DOS		30-06-2025		23-06-2025		01-07-2025			24-06-2025	
DOP		30-07-2025		01-08-2025		01-08-2025			23-07-2025	
Local Check Name		NDRK 2008		GNR-5		Dandi(4828)			KKL R 3	

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Table No. 16.2 (Contd.): Grain Yield (kg/ha) in IVT – AL & ISTVT (Inland Saline_Normal), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		ZONE VII - SOUTHERN			ZONE VII - SOUTHERN (2)	
		Haryana		Karnataka				
		Rohtak		Gangavati		Mugad	Mean	
4801	33785	4140	8	3051		5022	4036	
4802	33786	3387		4002	3	5202	4602	7
4803	33787	3113		3739	5	4964	4352	10
4804	Alkaline Tolerant check (CSR 36)	3613		3537	6	5377	4457	8
4805	33788	4780	4*	2209		5231	3720	
4806	33789	4127	9	1933		5565	3749	
4807	33790	3473		2064		5573	3819	
4808	Early duration Saline check (CSR 10)	2800		2209		5821	4015	
4809	33791	3547		2341		5432	3886	
4810	33792	2760		1096		4998	3047	
4811	33793	3527		3537	6	7222	5379	2
4812	Inland Saline Toletant (CSR 23)	3720		2586		4648	3617	
4813	33794	5153	1*	2078		6008	4043	
4814	33795	3567		3397	9	4975	4186	
4815	Observational check (PR 127)	3527		2823		7361	5092	3
4816	33796	4760	5*	2972		4742	3857	
4817	33797	4820	3*	3016		5630	4323	
4818	Saline tolerant & donor (FL 478)	3233		2314		7089	4702	6
4819	33798	2647		2643		8328	5486	1
4820	33799	4840	2*	3537	6	4954	4246	
4821	33800	4687	6*	2919		5584	4252	
4822	Sensitive check (Pusa 44)	2240		4892	1	5071	4981	4
4823	33801	3947	10	3208		4788	3998	
4824	33802	4180	7	3226		4781	4004	
4825	33803	3600		4383	2	5197	4790	5
4826	33804	2653		3379	10	5343	4361	9
4827	33805	3407		1828		5622	3725	
4828	Local check (LC)	3747		3910	4	4779	4345	
Experimental Mean		3714		2958		5547	4252	
CD(0.05)		910		492		1204	634	
CV(%)		14.96		10.16		13.26	9.11	
F val		5.59**		23.93**		4.51**	6.03**	
DOS		25-06-2025		09-07-2025		15-06-2025		
DOP		25-07-2025		14-08-2025		16-07-2025		
Local Check Name		CSR 27		GNV 1109		Kagga		

Table No. 16.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Alkalinity), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN						ZONE II - NORTHERN (3)						ZONE III - EASTERN						ZONE III - EASTERN (2)						ZONE VII - SOUTHERN						Uttar Pradesh (3)					
		Haryana			Haryana (2)			Uttar Pradesh			Uttar Pradesh			Uttar Pradesh			Uttar Pradesh			Uttar Pradesh			Uttar Pradesh			Tamil Nadu			Tamil Nadu			Tamil Nadu					
		Anjanteli (Karnal)			Kurukshetra			Mean			Mean			Mean			Mean			Mean			Mean			Mean			Mean			Mean					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN			
		103	88	264	111	81	249	107	85	256	60	77	177	91	82	230	83	243	118	78	372	113	81	307	107	94	349	96	80	264							
4801	33785		95	78	117	93	75	167	94	76	142	57	65	230	82	73	171	94	63	152	100	74	371	97	68	262	86	73	399	84	67	251					
4802	33786		85	85	124	87	78	93	86	82	109	52	61	204	75	75	140	83	80	116	105	65	298	94	73	207	80	84	364	80	69	206					
4803	33787		103	88	182	105	75	221	104	82	202	61	88	214	90	84	206	101	85	237	105	89	361	103	87	299	97	93	329	89	87	271					
4804	Alkaline Tolerant check (CSR 36)	91	99	322	88	74	262	89	86	292	52	83	209	77	85	264	90	68	305	109	76	317	100	72	311	99	98	381	84	76	277						
4805	33788	96	75	176	99	69	169	97	72	173	53	62	256	83	69	204	94	64	174	110	57	141	102	60	158	98	81	429	86	61	190						
4806	33789	86	98	175	82	90	162	84	94	169	49	100	199	72	96	179	81	96	129	106	76	224	94	86	176	97	114	398	79	91	184						
4807	33790	95	64	171	95	60	209	95	62	190	49	54	231	80	60	204	95	63	223	102	55	390	98	59	307	86	64	390	82	58	282						
4808	Early duration Saline check (CSR 10)	100	83	192	104	80	209	102	82	201	54	85	249	86	83	217	98	94	150	107	82	376	103	88	263	96	71	277	87	87	258						
4809	33791	88	89	160	88	83	175	88	86	168	47	67	197	74	80	177	85	77	125	103	73	383	94	75	254	86	82	348	78	72	235						
4810	33792	99	88	207	98	87	215	98	87	211	53	82	259	83	86	227	97	83	184	95	90	314	96	87	249	98	97	381	82	85	252						
4811	33793	91	91	213	95	75	196	93	83	204	47	92	203	78	86	204	91	69	219	96	86	344	94	78	282	81	89	325	78	82	255						
4812	Inland Saline Toletant (CSR 23)	82	102	299	82	101	265	82	101	282	49	100	193	71	101	252	82	101	312	108	95	189	95	98	250	98	102	320	80	98	231						
4813	33794	80	81	162	86	82	165	83	82	164	54	81	245	73	81	191	83	72	164	108	83	344	96	78	254	94	96	364	82	79	251						
4814	33795	95	73	165	98	78	144	97	76	154	51	53	155	82	68	155	97	80	174	107	51	213	102	66	194	86	77	360	85	62	181						
4815	Observational check (PR 127)	96	84	318	96	86	346	96	85	332	54	65	230	82	78	298	96	70	247	110	77	341	103	73	294	104	107	520	87	71	273						
4816	33796	94	91	401	96	93	318	95	92	360	50	77	287	80	87	335	95	104	378	101	102	386	98	103	382	86	106	351	82	95	350						
4817	33797	77		119	80	72	116	78	72	117	47	64	200	68	68	145	78	83	120	101	68	352	90	75	236	86	86	306	75	72	224						
4818	Saline tolerant & donor (FL 478)	95	80	137	93	85	134	94	82	135	51	64	177	80	76	149	94	93	135	107	77	253	101	85	194	92	91	433	84	78	188						
4819	33798	95	82	288	95	88	236	95	85	262	57	73	210	82	81	245	95	84	309	114	82	363	105	83	336	97	101	425	89	80	294						
4820	33799	90	75	257	90	73	262	90	74	260	47	58	174	76	69	231	88	79	261	105	72	296	97	76	279	98	90	334	80	70	244						
4821	33800	106	105	108	109	86	108	107	95	108	55	79	247	90	90	154	104	70	109	106	95	263	105	83	186	102	104	308	88	82	206						
4822	Sensitive check (Pusa 44)	107	84	237	105	79	183	106	82	210	58	55	195	90	73	205	109	83	259	111	82	373	110	83	316	100	102	407	93	74	276						
4823	33801	108	80	251	111	82	266	109	81	259	51	59	201	90	74	240	108	77	215	106	85	313	107	81	264	104	99	295	88	74	243						
4824	33802	104	75	255	104	82	244	104	79	249	49	52	203	86	70	234	106	95	218	117	71	353	112	83	286	107	81	310	91	73	258						
4825	33803	83	79	183	84	82	147	84	80	165	51	59	228	73	73	186	83	72	172	106	73	370	94	73	271	80	82	425	80	68	257						
4826	33804	103	99	232	106	114	229	104	107	231	52	55	193	87	89	218	108	115	221	117	85	155	112	100	188	103	104	289	92	85	190						
4827	33805	93	82	235	99	78	194	96	80	214	49	63	207	80	74	212	98	90	234	107	86	332	102	88	283	114	78	386	85	80	258						
4828	Local check (LC)	94	85	212	95	81	203	95	83	208	52	70	213	81	79	210	94	81	206	106	78	313	101	80	260	95	90	364	84	77	245						
Experimental Mean																																					
Standard Error		2.57			4.65				2.65			1.21		1.72			2.74			2.48			1.88			2.02			1.36								

Table No. 16.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Alkalinity), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN					
		Telangana @Kampanasagar			Tamilnadu @ Trichy		
		DFE	PH	PAN	DFE	PH	PAN
4801	33785	117	96	250	110	81	300
4802	33786	86	85	244	90	46	255
4803	33787	90	93	263	86	62	173
4804	Alkaline Tolerant check (CSR 36)	110	116	240	105	106	244
4805	33788	103	115	233	99	100	264
4806	33789	106	84	263	100	70	305
4807	33790	107	119	283	94	70	300
4808	Early duration Saline check (CSR 10)	86	68	303	76	100	275
4809	33791	114	96	213	83	102	279
4810	33792	88	74	300	89	91	260
4811	33793	88	94	230	104	96	135
4812	Inland Saline Toletant (CSR 23)	85	98	267	82	97	255
4813	33794	100	120	190	100	123	277
4814	33795	94	88	230	94	108	296
4815	Observational check (PR 127)	94	76	234	90	86	235
4816	33796	118	106	230	103	112	327
4817	33797	92	110	276	85	111	316
4818	Saline tolerant & donor (FL 478)	90	88	240	91	106	239
4819	33798	91	84	196	92	100	259
4820	33799	90	103	254	97	101	269
4821	33800	104	84	298	98	102	239
4822	Sensitive check (Pusa 44)	106	104	224	100	126	227
4823	33801	108	97	296	100	101	340
4824	33802	118	98	204	99	120	263
4825	33803	109	92	344	98	100	255
4826	33804	119	79	290	87	95	280
4827	33805	118	122	336	111	160	313
4828	Local check (LC)	108	94	214	110	121	373
Experimental Mean		101	95	255	95	99	269

Table No. 16.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Sodic Microplot), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN			
		Haryana		Karnal Sodic	
		DFE	PH	PAN	
4801	33785	106	82	257	
4802	33786	96	69	139	
4803	33787	79	74	112	
4804	Alkaline Tolerant check (CSR 36)	97	80	216	
4805	33788	93	86	322	
4806	33789	88	75	185	
4807	33790	81	85	128	
4808	Early duration Saline check (CSR 10)	96	61	224	
4809	33791	93	74	150	
4810	33792	82	72	126	
4811	33793	96	82	191	
4812	Inland Saline Toletant (CSR 23)	87	80	200	
4813	33794	82	94	292	
4814	33795	80	79	171	
4815	Observational check (PR 127)	96	70	191	
4816	33796	96	83	239	
4817	33797	94	93	367	
4818	Saline tolerant & donor (FL 478)	77	75	122	
4819	33798	96	83	151	
4820	33799	96	77	336	
4821	33800	87	76	229	
4822	Sensitive check (Pusa 44)	98	83	98	
4823	33801	104	81	264	
4824	33802	105	88	231	
4825	33803	107	84	215	
4826	33804	81	79	170	
4827	33805	111	103	250	
4828	Local check (LC)	96	85	198	
Experimental Mean		92	80	206	
Standard Error		2.37			

Table No. 16.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Inland Saline), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN				ZONE VII - SOUTHERN				
		Haryana		Kerala		Haryana		Kerala		
		Panipat		Vytilla		Panipat		Vytilla		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
4801	33785	106	87	234	107	121	301			
4802	33786	95	73	157	111	103	261			
4803	33787	88	80	114	108	103	299			
4804	Alkaline Tolerant check (CSR 36)	106	88	243	116	124	224			
4805	33788	90	92	309	108	139	271			
4806	33789	100	70	177	101	113	289			
4807	33790	88	74	124	127	118	196			
4808	Early duration Saline check (CSR 10)	95	63	220	101	86	364			
4809	33791	104	78	141	114	111	345			
4810	33792	91	80	136	109	98	243			
4811	33793	100	68	182	118	125	345			
4812	Inland Saline Toletant (CSR 23)	93	90	228	108	110	233			
4813	33794	82	99	309	116	144	317			
4814	33795	80	81	166	105	108	355			
4815	Observational check (PR 127)	95	73	152	102	109	355			
4816	33796	96	79	252	102	116	336			
4817	33797	94	96	385	108	109	308			
4818	Saline tolerant & donor (FL 478)	77	37	121	108	96	252			
4819	33798	95	80	136	102	109	364			
4820	33799	94	83	263	127	136	336			
4821	33800	91	74	263	127	123	373			
4822	Sensitive check (Pusa 44)	109	97	108	130	137	439			
4823	33801	111	87	237	122	130	364			
4824	33802	109	85	220	120	120	280			
4825	33803	108	86	217	102	130	224			
4826	33804	84	78	171	103	88	261			
4827	33805	111	85	228	109	148	289			
4828	Local check (LC)	92	77	261	88	114	317			
Experimental Mean		95	80	205	110	116	305			
Standard Error		2.97			1.84					

Table No. 16.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Saline Microplot), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN			
		Haryana		Karnal Saline	
		DFE	PH	PAN	
4801	33785	112	90	197	
4802	33786	97	74	159	
4803	33787	89	83	119	
4804	Alkaline Tolerant check (CSR 36)	106	89	244	
4805	33788	93	87	307	
4806	33789	100	75	180	
4807	33790	94	97	128	
4808	Early duration Saline check (CSR 10)	95	65	219	
4809	33791	105	85	154	
4810	33792	94	85	119	
4811	33793	102	80	184	
4812	Inland Saline Toletant (CSR 23)	92	92	228	
4813	33794	81	95	271	
4814	33795	74	91	146	
4815	Observational check (PR 127)	91	80	154	
4816	33796	95	88	257	
4817	33797	92	107	315	
4818	Saline tolerant & donor (FL 478)	74	91	121	
4819	33798	97	83	130	
4820	33799	94	84	244	
4821	33800	93	83	265	
4822	Sensitive check (Pusa 44)	110	86	101	
4823	33801	113	85	238	
4824	33802	107	88	222	
4825	33803	112	88	223	
4826	33804	83	82	182	
4827	33805	112	97	231	
4828	Local check (LC)	86	94	292	
Experimental Mean		96	86	201	
Standard Error		2.76			

Table No. 16.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Alkaline_Normal), Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE VI - WESTERN						ZONE VI - WESTERN (2)				ZONE VII - SOUTHERN					
		Uttar Pradesh						Gujarat						Mean				Puducherry					
		Masodha						Navasari						Nawagam						Karaikal			
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN				
4801	33785	101	94	276	111	123	347	106	97	262	109	110	304	109	112	204	109	112	204				
4802	33786	84	95	261	92	111	388	92	86	257	92	99	323	90	95	205	90	95	205				
4803	33787	110	92	273	87	108	329	87	94	262	87	101	296	76	89	274	76	89	274				
4804	Alkaline Tolerant check (CSR 36)	103	104	277	100	107	344	95	104	263	97	106	304	95	112	278	95	112	278				
4805	33788	102	112	277	91	135	314	93	105	257	92	120	286	95	112	214	95	112	214				
4806	33789	93	107	277	106	97	394	98	85	255	102	91	324	98	105	263	98	105	263				
4807	33790	92	57	288	90	145	385	92	120	255	91	133	320	80	138	243	80	138	243				
4808	Early duration Saline check (CSR 10)	106	78	276	90	86	373	92	71	265	91	78	319	67	77	435	67	77	435				
4809	33791	82	66	279	98	117	347	95	92	265	97	104	306	93	92	438	93	92	438				
4810	33792	73	94	268	89	112	361	89	79	261	89	96	311	68	83	319	68	83	319				
4811	33793	81	101	262	95	117	367	97	103	264	96	110	316	94	111	222	94	111	222				
4812	Inland Saline Toletant (CSR 23)	81	121	271	88	123	388	86	87	253	87	105	320	67	85	230	67	85	230				
4813	33794	101	104	279	106	134	329	94	117	255	100	126	292	92	122	343	92	122	343				
4814	33795	95	74	276	94	125	335	93	94	262	93	109	298	76	111	213	76	111	213				
4815	Observational check (PR 127)	118	77	277	90	105	332	91	76	256	90	90	294	74	124	247	74	124	247				
4816	33796	92	97	262	114	134	335	98	101	261	106	118	298	106	113	273	106	113	273				
4817	33797	98	77	282	95	135	344	91	113	261	93	124	302	77	107	302	77	107	302				
4818	Saline tolerant & donor (FL 478)	96	77	266	89	103	373	92	94	267	90	98	320	76	90	232	76	90	232				
4819	33798	116	97	279	91	123	356	89	97	266	90	110	311	81	101	284	81	101	284				
4820	33799	102	66	254	92	138	370	107	99	263	100	118	316	98	110	252	98	110	252				
4821	33800	113	104	282	104	117	358	105	92	263	104	104	311	98	96	326	98	96	326				
4822	Sensitive check (Pusa 44)	118	89	274	115	144	341	98	112	264	106	128	302	101	120	282	101	120	282				
4823	33801	117	83	238	97	115	364	106	104	261	102	110	313	97	104	261	97	104	261				
4824	33802	120	71	281	106	116	373	106	97	266	106	106	320	101	117	296	101	117	296				
4825	33803	109	78	250	112	112	347	110	86	261	111	99	304	100	101	259	100	101	259				
4826	33804				88	115	341	103	84	258	96	99	300	79	96	265	79	96	265				
4827	33805	114	107	279	91	155	347	92	126	258	92	140	303	103	132	221	103	132	221				
4828	Local check (LC)	116	104	251	94	136	370	90	101	257	92	118	314	96	110	484	96	110	484				
Experimental Mean		101	89	270	96	121	355	95	97	260	96	109	308	88	105	280	88	105	280				
Standard Error		1			0.74			4.28			2.15			2.38			2.38						

Table No. 16.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – AL & ISTVT (Inland Saline_Normal), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN				ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (2)				
		Haryana				Karnataka						Mean				
		Rohtak				Gangavati			Mugad							
		DDF	PH	PAN		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH
4801	33785	110	87	254	126	93	254	123	64	316	124	78	285			
4802	33786	95	80	147	99	78	286	115	71	321	107	74	304			
4803	33787	81	88	121	99	84	253	119	63	308	109	73	280			
4804	Alkaline Tolerant check (CSR 36)	99	95	212	118	89	300	125	66	323	121	78	312			
4805	33788	92	95	318	101	102	265	125	68	279	113	85	272			
4806	33789	91	80	184	107	72	210	125	47	293	116	59	252			
4807	33790	81	81	130	102	111	290	127	63	302	114	87	296			
4808	Early duration Saline check (CSR 10)	96	65	227	92	61	181	120	105	320	106	83	251			
4809	33791	96	86	152	106	92	262	123	66	323	114	79	293			
4810	33792	83	89	129	93	75	229	126	54	291	110	65	260			
4811	33793	96	87	187	105	91	298	114	62	331	109	76	315			
4812	Inland Saline Toletant (CSR 23)	89	76	186	92	102	290	115	72	304	104	87	297			
4813	33794	82	100	303	107	111	267	118	94	316	112	102	292			
4814	33795	82	90	170	102	95	296	123	72	264	112	84	280			
4815	Observational check (PR 127)	97	63	191	102	80	269	112	60	304	107	70	286			
4816	33796	96	87	240	116	100	321	124	75	299	120	87	310			
4817	33797	94	96	347	97	112	339	111	85	349	104	98	344			
4818	Saline tolerant & donor (FL 478)	78	46	120	101	88	231	113	63	300	107	76	266			
4819	33798	95	85	140	101	94	308	121	73	307	111	84	307			
4820	33799	96	84	344	108	99	319	122	76	316	115	87	317			
4821	33800	87	79	252	104	83	293	125	60	322	115	71	308			
4822	Sensitive check (Pusa 44)	101	97	108	112	108	326	127	72	316	119	90	321			
4823	33801	106	78	264	109	90	307	120	65	306	115	77	306			
4824	33802	107	83	230	119	93	316	123	55	324	121	74	320			
4825	33803	111	67	213	112	91	305	121	61	321	116	76	313			
4826	33804	82	84	174	100	77	259	124	86	330	112	81	294			
4827	33805	110	104	242	127	136	331	114	64	308	120	100	320			
4828	Local check (LC)	97	81	198	98	99	324	110	56	276	104	77	300			
Experimental Mean		93	83	206	105	93	283	120	68	309	113	81	296			
Standard Error		2.41			0.75			0.83			0.54					

ADVANCED VARIETY TRIAL 2 & 1 - COASTAL SALINE TOLERANT VARIETY TRIAL (AVT 2 & 1 - CSTVT)

Locations: 17

Test Entries:16

Checks: Bhuthnath (Coastal Saline Check), FL478, CSR 10 (Early duration check), Pusa 44 (Sensitive check), PR 127 (Observational check) and Local check

AVT 1 – CSTVT trial was constituted with 22 entries including six checks. Three entries (IET 31067, 31877 and 31878) are in the third year of testing and 13 entries are in second year of testing. The trial sent to 17 locations and data was received from 14 locations except from Baruch, Kurumbapet and Bankura. The analyzed data pertaining to yield, days to 50% flowering, plant height, panicles/m² and quality presented in tables 17.2 and 17.3. Inclusion of locations in the final analysis is based on monitoring tour reports and location wise information about stress level of EC and pH, CV%, yield range and mean yield as presented in tabular form.

General information about soil stress parameters and yield performance of entries under in AVT 2 &1 CSTVT, Kharif, 2025

Location/State	Soil pH	Soil EC (dSm-1)	Exptl mean (kg/ha)	Grain Yld Range (Kg/ha)	CV %	Remarks
Zone-II						
Karnal (Microplot)	7.6	9.75	3301	1815-3963	9.32	Data considered to identify tolerant genotypes only
Zone III						
Chinsurah (Gosaba)	6.5	8-10	3835	2167-5437	12.0	Data considered for analysis under stress
Canning Town	6.92	6.51	3310	1919- 4627	11.95	Data considered for analysis under stress
CRRI, Cuttack	7.93 -8.57	7.31 - 10.12	3011	2083-4117	10.4	Sensitive checks high yield than tolerant. Data not considered.
Zone-VI						
Navsari (Danti)	8.4	6.0	2880	2169 -3602	17.2	Data considered for analysis under stress
Nawagam	8.1	4.0	3053	1477 -3800	11.4	Data considered for analysis under stress
Panvel	7.6	5.73	3049	2137 -4383	17.2	Data considered for analysis under stress
Goa	6.5	6.8	1962	554 -3712	19.8	Data considered for analysis under stress.
Zone-VII						
Machilipatnam	8.4	5.9	3225	2148-5130	28.1	Data considered for analysis under stress.
Mugad	6.57	6.24	3700	2143 -5158	4.36	Data considered for analysis under stress.
Brahmavar	7	4.5	1661	1199 -2336	10.3	Data not considered. Low Exptl. mean (<2000 kg/ha)
Puducherry (Karaikal)	8.72	1.65	3906	3121-5335	1.59	Data not considered for analysis, low CV%
Vytilla	4.96	4.15	4172	2900 -5000	8.43	Sensitive checks is high yielding than tolerant. Data not considered for analysis.

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Zone wise performance of entries and test cultures indicated that checks are the top performing cultures across all the zones tested. Bhuthnath out performed in zone-VI (3408 kg/ha) and zone-VII (4892kg/ha). Local check is the best check in Zone –III (4282 kg/ha) and FL 478 (SES score of 5.0; 3963 kg/ha) exhibited best performance in saline microplot conditions in Zone-II as compared to other test cultures. The CV% varied from 4.36% (Mugad) to 28.1% (Machilipatnam). Days to 50% flowering varied from 70 days (FL 478) in Zone-II to 129 days (IET32823). FL 478 is the shortest with 58 cm height (Z-II), followed by CSR 10 (Z-III, VI and VII), while IET32822 is the tallest culture with 154 cm height (Zone-III).

Zones	II (1)	III (3)	VI (4)	VII (5)
Zonal mean (Kg/ha)	1815 (IET 32807)– 3963 (FL478)	2267 (FL478) – 4282 (LC)	2079 (Pusa 44) – 3408 (Bhuthnath)	2145 (PR 127) – 4892 (Bhuthnath)
Exp Mean (Kg/ha)	3301(Karnal)	3310 (CNG) – 3835 (CHN)	1962 (Goa) – 3053 (NWG)	3225 (MCM) – 3700 (MGD)
CV%	9.32 (Karnal)	11.95 (CNG) – 12.05 (CHN)	11.4 (NWG) – 19.84 (Goa)	4.36(MGD) – 28.1 (MCM)
DFF	70 (FL 478) – 111 (IET 32807)	98 (IET 32793) – 129 (IET32823)	86 (FL478) – 108 (IET 32807)	96 (PR 127) – 119 (IET 32807)
PH (cm)	58 (FL 478) – 82 (LC)	73 (CSR 10) – 154 (IET32822)	76 (CSR 10) – 121 (IET 32807)	83 (CSR 10) – 113 (PR 127)
Pan/m ²	120 (IET 32807) – 295 (FL 478)	313 (FL 478) – 437 (LC)	232 (FL 478) – 290 (Pusa 44)	200 (IET 32807) – 311(Bhuthnath)
DNI (Data Not Included)	-	CRRI, Cuttack	-	Vytilla, Brahmavar, Puducherry (Karaikal)
Locations considered	1 (Microplot conditions)	2	4	2

Performance of entries Zone-II

In Zone II, the entries were tested in controlled stress conditions of microplot at CSSRI, Karnal. The standard evaluation scores (SES) recorded by the test entries, tolerant and sensitive checks are presented in table below.

Entry No	IET No/ Check entry	ZONE II (Karnal)	
		Yield (kg/ha)	Vigor/SES (Saline)
4903	Bhuthnath (Coastal saline Tolerant check)	3574	6
4905	CSR 10 (Early duration saline check)	3870	5
4907	32807	1815	8
4908	Pusa 44 (Sensitive check)	2093	7
4909	32821	3852	6
4912	FL 478 (Saline tolerant check)	3963	5
4917	LC	3759	6
4919	PR 127 (Observational Sensitive check)	3481	6

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Experimental Mean	3301
CD(0.05)	539
CV(%)	9.32
F val	22.89**
Local Check Name	CSR 27

Under saline conditions in microplot evaluation, the IETs. 32807, 32821 recoded a tolerance score of SES 8.0 and 6.0 respectively; as compared to tolerant and sensitive checks which scored an SES scores of 5-7. IET 32821 found to be promising for stress tolerance as it exhibited on par SES score of tolerant checks.

Performance of entries Zone-III

In Zone-III, 15 entries evaluated in three locations of CRRI, Cuttack, Canning Town and Chinsurah. Data from two locations suitable for final analysis. Local Check with 4282 kg/ha and 105 day to flowering is the best and early duration check in Zone-III. ***None merits promotion in zone-III.***

Performance of entries Zone-VI

In Zone-VI, the trial data four locations- Panvel, Navsari, Nawagam and Goa was included in the final analysis. Three test cultures IET 31067, 32807 and 32821 along with checks were tested in zone-VI. Bhuthnath (Coastal Saline Check) with mean yield of 3408 kg/ha and 102 days to 50 % flowering is the highest yielding culture among all the test entries and checks. Further, upon comparison with the early check- FL 478 with 86 days to flowering in zone-VI, none of the entries is in comparable flowering duration of early check. ***None merits promotion in zone-VI.***

Performance of entries Zone-VII

In zone-VII, the data from Machilipatnam, Mugad, Brahmavar, Puducherry (Karaikal) and Vytilla received. The data from Machilipatnam and Mugad were only suitable for inclusion in the final analysis. Based on two locations data, promising genotypes identified. Among the test entries and checks, Bhuthnath (Coastal Saline Check) with mean yield of 4892 kg/ha and 115 days to 50 % flowering is the highest yielding entry among all the test entries and checks. ***None of the entries found promising over best check in Zone-VII.*** Further, upon comparison with the early check- CSR 10 with 97 days to flowering in zone-VII, none of the entries is in comparable flowering duration of early check. ***None merits promotion in zone-VII to next level.***

Performance of the entries with required significant yield superiority over checks in AVT 2 & 1 CSTVT during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Promoted
	III (2)		VI (4)		VII (2)		
	Yield (kg/ha)	DFF	Yield (kg/ha)	DFF	Yield (kg/ha)	DFF	
None of the test entries exhibited significant yield superiority over BC or early check							NIL
Bhuthnath (Coastal Saline Check)	3854	107	3408 (1)	102	4892 (1)	115	
CSR 10 (Early saline check)	2802	108	2484	93	3783	97	
FL 478 (Saline Tolerant Check)	2267	120	2683	86	3075	109	
Pusa 44 (Sensitive Check)	3031	108	2079	100	2869	117	
PR 127 (Observational Sensitive Check)	3453	103	2592	93	2145	96	
Local Check	4282 (1)	105	2430	96	3811	108	
CD			342		809		

Performance of entries over three years of testing: Three entries (IET Nos. 31877, 31878 and 31067) completed three years of testing with required significant yield advantage over the checks. Yield performance three years in various zones for these entries given in the following table.

Performance of entries under coastal Salinity over 3 years of testing (2023-2025)

Entry	Year	III		VI		GT	HRR	AC	GC	ASV	Remarks
		Yld (kg/ha)	DFF	Yld (kg/ha)	DFF						
IET 31877 (MLD214-IR16T1001) IR10F559 / IR12T101	2023	4476*	100								Promising in Zone-III
	2024	5648*	114			LS	45.4	22.2	22	5.0	
	2025	3730 (9)	107			LS	66.4	22.38	22	5.0	
IET 31878 (CR4290-281-14-3-1-1-1-1) SR 14-5-1 / Luna Sankhi	2023	4358*	96								Promising in Zone-III
	2024	5003 [#]	95			LB	59.3	23.61	85	5.0	
	2025	3765 (7)	108			LB	54.0	23.05	72	5.0	
IET 31067 (CR 4283-274-6-2-1) CR Dhan 310/ Getu	2022			4236*	96						Promising in Zone-VI
	2023			NT							
	2024			5129*	101	LB	47.3	24.22	45	4.0	
	2025			2800 (4)	103	LB	49.4	24.62	48	4.0	

[#] Significant over early check; NT= Not tested; *=Significant over best check

Summary

AVT 1 - CSTVT:

Thirteen entries tested in three zones (Z - III, VI & VII)

None of the entries in AVT 1 - CSTVT merit promotion to AVT 2 - CSTVT.

AVT 2 - CSTVT:

Three entries tested (Z - III, VI & VII). IET Nos. 31877, 31878 and 31067 completed three years of testing.

Zone – III: IET Nos. 31877 and 31878

Zone – VI: IET 31067

Table No. 17.1: Composition of entries in Advance Variety Trial AVT 2 & 1 – Coastal Saline Tolerant Variety Trial (AVT 2 & 1 – CSTVT), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zone	GT
4901	31878*	CR4290-281-14-3-1-1-1-1	SR 14-5-1 / Luna Sankhi	III	LB
4902	31877*	MLD-214-IR16T1001	IR10F559 / IR12T101	III	LS
4903	Coastal saline Tolerant check (Buthnath)			II,III,VI,VII	
4904	31067*	CR 4283-274-6-2-1	CR 4283-274-6-2-1	VI	LB
4905	Early duration saline check (CSR 10)			II,III,VI,VII	
4906	31889 (R)	CN 2172-13-10-1-1	Nona Bokra / Swarna Sub 1	III	LS
4907	32807	CRAC-4423-111	F1s (Savitri x Pokkali)	II,III,VI,VII	LS
4908	Sensitive check (Pusa 44)			II,III,VI,VII	
4909	32821	RP6458-db-C1-88	Swarna/166S-Swarna/O.nivana	II,III,VI,VII	LS
4910	32812	NVSR-6529	GNR-3/IR 71907-3R-2-1-2	III	SB
4911	32795	MTU 1444 (MTU 2878-13-1-1)	MST 15/CSR 27	III	MS
4912	Saline tolerant check (FL 478)			II,III,VI,VII	
4913	32822	CR-2814-1-S-1-6-B-5-B-39-B	Naveen/ FL 478	III	LS
4914	32809	RP 6813-IR16T1658	IR11T205/JUMBO JET	III	LB
4915	32802	MLD-262-IR20LT2261	PAW SAN YIN/IR 96321-558-563-B-2-1-3//IR 127152-2-10/IR 127155-1-22//BG 380-2/IR 96465-B-BGY 372-103	III	LS
4916	32806	NVSR-6606	GAR-13/NVSR-6108	III	SB
4917	Local check (LC)			II,III,VI,VII	
4918	32813	CR-4086-5-B-3-2	CR2814-1-S-1-6-3-2B-1/Binadhan 10	III	SB
4919	Observational Sensitive check (PR 127)			II,III,VI,VII	
4920	32823	MTU 1445 (MTU 2680-18-2-3))	MTU 1061/MCM 100	III	MS
4921	32798	NVSR-6638	GAR-13/IR 76346-B-B-10-1-1-1	III	LB
4922	32793	MCM 149 (IR 16L1419)	HHZ 8-SAL 6-SAL-3-Y2/IR 09L303	III	MB

Table No. 17.2: Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN	
		Haryana	
		Karnal	
4903	Buthnath (Coastal saline Tolerant check)	3574	5
4905	CSR 10 (Early duration saline check)	3870	2
4907	32807	1815	8
4908	Pusa 44 (Sensitive check)	2093	7
4909	32821	3852	3
4912	FL 478 (Saline tolerant check)	3963	1
4917	LC	3759	4
4919	PR 127 (Observational Sensitive check)	3481	6
Experimental Mean		3301	
CD(0.05)		539	
CV(%)		9.32	
F val		22.89**	
DOS		20-06-2025	
DOP		23-07-2025	
Local Check Name		CSR 27	

Table No. 17.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (2)	
		West Bengal				Mean	
		chinsurah		Canning			
4901	31878*	4019	9	3956	4	3987	6
4902	31877*	3207		4548	2	3878	7
4903	Buthnath (Coastal saline Tolerant check)	4107	7	3600	7	3854	8
4905	CSR 10 (Early duration saline check)	2167		3437	9	2802	
4906	31889 (R)	5230	2*	2904		4067	4
4907	32807	4093	8	2993		3543	
4908	Pusa 44 (Sensitive check)	3456		2607		3031	
4909	32821	3396		3615	6	3506	
4910	32812	4993	3*	3244		4119	3
4911	32795	3793		2356		3074	
4912	FL 478 (Saline tolerant check)	2615		1919		2267	
4913	32822	5437	1*	3073		4255	2
4914	32809	3259		4243	3	3751	10
4915	32802	3874		3119		3496	
4916	32806	3222		2859		3041	
4917	LC	3937	10	4627	1	4282	1
4918	32813	4593	4	3521	8	4057	5
4919	PR 127 (Observational Sensitive check)	3185		3720	5	3453	
4920	32823	4219	6	3396	10	3807	9
4921	32798	4270	5	2991		3631	
4922	32793	3467		2785		3126	
Experimental Mean		3835		3310		3548	
CD(0.05)		763		653		512	
CV(%)		12.05		11.95		8.69	
F val		9.28**		8.87**		8.61**	
DOS		03-07-2025		18-06-2025			
DOP		02-08-2025		24-07-2025			
Local Check Name		Chinsurah Nona 1		Canning7			

Table No. 17.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN										ZONE VI -	
		Gujarat				Gujarat (2)		Maharashtra		Goa		WESTERN (4)	
		Navasari		Nawagam		Mean		Panvel		Goa		Mean	
4903	Buthnath (Coastal saline Tolerant check)	3602	1	3492	2	3547	1	4252	2	2286	3	3408	1
4904	31067*	2218	8	3280	6	2749	7	4383	1	1320	8	2800	4
4905	CSR 10 (Early duration saline check)	2686	6	3280	6	2983	6	2184	8	1788	6	2484	7
4907	32807	2674	7	3800	1	3237	3	3692	3	2377	2	3136	2
4908	Pusa 44 (Sensitive check)	2169	9	1943	8	2056	9	2380	6	1823	5	2079	9
4909	32821	2958	5	3487	3	3223	4	3542	4	2055	4	3011	3
4912	FL 478 (Saline tolerant check)	3139	3	3295	5	3217	5	2554	5	1744	7	2683	5
4917	LC	3429	2	3420	4	3424	2	2319	7	554	9	2430	8
4919	PR 127 (Observational Sensitive check)	3041	4	1477	9	2259	8	2137	9	3712	1	2592	6
Experimental Mean		2880		3053		2966		3049		1962		2736	
CD(0.05)		858		602		552		988		674		342	
CV(%)		17.22		11.4		10.75		18.73		19.84		7.21	
F val		2.97*		15.35**		7.83**		7.69**		14.45**		12.54**	
DOS		23-06-2025		01-07-2025				13-06-2025		06-06-2025			
DOP		29-07-2025		01-08-2025				17-07-2025		09-07-2025			
Local Check Name		GR-19		Dandi				Panvel 2		Goa Dhan 1			

Table No. 17.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN				ZONE VII - SOUTHERN (2)	
		Andhra Pradesh		Karnataka			
		Machilipatnam		Mugad		Mean	
4903	Buthnath (Coastal saline Tolerant check)	4833	2	4950	2	4892	1
4905	CSR 10 (Early duration saline check)	3722	3	3843	4	3783	4
4907	32807	2444	5	5158	1	3801	3
4908	Pusa 44 (Sensitive check)	2204	6	3533	5	2869	7
4909	32821	2148	7	4495	3	3322	5
4912	FL 478 (Saline tolerant check)	3167	4	2984	6	3075	6
4917	LC	5130	1	2493	7	3811	2
4919	PR 127 (Observational Sensitive check)	2148	7	2143	8	2145	8
Experimental Mean		3225		3700		3462	
CD(0.05)		1587		282		809	
CV(%)		28.1		4.36		13.34	
F val		5.45**		144.66**		9.32**	
DOS		01-07-2025		15-06-2025			
DOP		15-08-2025		16-07-2025			
Local Check Name		MCM-100 (Pandu Ranga)		Kagga			

Table No. 17.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		
		Haryana		
		Karnal		
		DFF	PH	PAN
4903	Buthnath (Coastal saline Tolerant check)	86	73	200
4905	CSR 10 (Early duration saline check)	96	61	235
4907	32807	111	65	120
4908	Pusa 44 (Sensitive check)	99	66	185
4909	32821	79	67	275
4912	FL 478 (Saline tolerant check)	70	58	295
4917	LC	96	82	286
4919	PR 127 (Observational Sensitive check)	91	66	275
Experimental Mean		91	67	233
Standard Error		2.87		

Table No. 17.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (2)		
		West Bengal								
		chinsurah			Canning			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4901	31878*	110	143	308	106	125	443	108	134	376
4902	31877*	109	102	330	104	107	341	107	104	335
4903	Buthnath (Coastal saline Tolerant check)	109	110	352	105	127	411	107	118	381
4905	CSR 10 (Early duration saline check)	111	59	418	105	87	434	108	73	426
4906	31889 (R)	121	122	363	134	115	420	128	119	392
4907	32807	110	121	341	107	131	364	108	126	352
4908	Pusa 44 (Sensitive check)	112	100	352	104	102	406	108	101	379
4909	32821	98	103	363	104	109	420	101	106	392
4910	32812	115	141	352	106	126	373	110	133	363
4911	32795	122	107	319	124	107	345	123	107	332
4912	FL 478 (Saline tolerant check)	119	103	341	121	108	285	120	106	313
4913	32822	124	164	319	127	144	425	126	154	372
4914	32809	103	111	407	106	110	345	105	110	376
4915	32802	114	106	319	107	108	355	111	107	337
4916	32806	110	105	341	108	97	369	109	101	355
4917	LC	105	119	407	105	119	467	105	119	437
4918	32813	107	127	341	104	128	425	106	128	383
4919	PR 127 (Observational Sensitive check)	107	91	308	99	91	373	103	91	341
4920	32823	124	122	319	134	127	443	129	124	381
4921	32798	100	124	396	103	111	378	101	118	387
4922	32793	95	103	308	101	103	331	98	103	320
Experimental Mean		110	113	347	110	113	388	111	113	368
Standard Error		0.54			0.92			0.6		

Table No. 17.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE VI- WESTERN															ZONE VI- WESTERN (4)		
		Gujarat						Gujarat (2)			Maharashtra			Goa					
		Navasari			Nawagam			Mean			Panvel			Goa			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4903	Buthnath (Coastal saline Tolerant check)	94	119	379	90	102	264	92	110	322	112	100	152	111	109	330	102	107	281
4904	31067*	94	114	347	91	95	260	92	105	304	114	103	159	113	94	308	103	102	268
4905	CSR 10 (Early duration saline check)	87	85	341	85	99	261	86	92	301	99	46	140	103	74	286	93	76	257
4907	32807	98	140	350	105	113	267	101	126	308	114	111	158	114	119	253	108	121	257
4908	Pusa 44 (Sensitive check)	92	94	367	89	80	253	91	87	310	109	76	167	112	100	374	100	87	290
4909	32821	88	117	350	82	104	264	85	110	307	107	89	162	102	102	303	95	103	270
4912	FL 478 (Saline tolerant check)	82	110	350	79	87	264	81	99	307	87	82	161	97	92	154	86	93	232
4917	LC	90	111	347	85	102	265	88	106	306	104	83	159	103	82	264	96	94	259
4919	PR 127 (Observational Sensitive check)	85	99	364	79	72	206	82	86	285	99	71	135	107	111	281	93	88	246
Experimental Mean		90	109	355	87	94	256	89	102	306	105	84	154	106	98	283	97	97	262
Standard Error		0.88			0.6			0.52			0.25			0.69			0.31		

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Table No. 17.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (2)		
		Andhra Pradesh			Karnataka					
		Machilipatnam			Mugad			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
4903	Buthnath (Coastal saline Tolerant check)	117	91	324	112	114	298	115	103	311
4905	CSR 10 (Early duration saline check)	90	88	280	103	78	254	97	83	267
4907	32807	120	87	178	118	123	222	119	105	200
4908	Pusa 44 (Sensitive check)	118	72	194	115	103	329	117	88	262
4909	32821	117	88	202	109	107	273	113	98	238
4912	FL 478 (Saline tolerant check)	118	76	238	99	96	180	109	86	209
4917	LC	110	96	331	106	85	250	108	91	291
4919	PR 127 (Observational Sensitive check)	117	66	237	75	160	178	96	113	208
Experimental Mean		113	83	248	104	108	248	109	96	248
Standard Error		0.12			5.58			0		

Table No. 17.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT Normal, Kharif 2025

Entry No	IET No	ZONE III - EASTERN	
		Odisha	
		Cuttack	
4901	31878*	2862	
4902	31877*	2083	
4903	Buthnath (Coastal saline Tolerant check)	2644	
4905	CSR 10 (Early duration saline check)	3105	6
4906	31889 (R)	2927	
4907	32807	3085	7
4908	Pusa 44 (Sensitive check)	3046	9
4909	32821	2664	
4910	32812	2892	
4911	32795	3016	10
4912	FL 478 (Saline tolerant check)	2827	
4913	32822	3150	5
4914	32809	4082	2*
4915	32802	3284	3
4916	32806	2555	
4917	LC	2659	
4918	32813	3016	
4919	PR 127 (Observational Sensitive check)	3244	4
4920	32823	2897	
4921	32798	4117	1*
4922	32793	3075	8
Experimental Mean		3011	
CD(0.05)		515	
CV(%)		10.36	
F val		6.28**	
DOS			
DOP			
Local Check Name			

Table No. 17.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT Normal, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN	
		Kerala	
		Vytilla	
4903	Buthnath (Coastal saline Tolerant check)	4550	4
4905	CSR 10 (Early duration saline check)	3400	6
4907	32807	5000	1
4908	Pusa 44 (Sensitive check)	4983	2
4909	32821	2900	8
4912	FL 478 (Saline tolerant check)	4533	5
4917	LC	4800	3
4919	PR 127 (Observational Sensitive check)	3208	7
Experimental Mean		4172	
CD(0.05)		616	
CV(%)		8.43	
F val		17.86**	
DOS		13-06-2025	
DOP		14-07-2025	
Local Check Name		VTL 10(KAU Lavanya)	

Table No. 17.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – CSTVT Normal, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN			
		Karnataka		Puducherry	
		@Brahmavar		@Karaikal	
4903	Buthnath (Coastal saline Tolerant check)	2336	1	3246	5
4905	CSR 10 (Early duration saline check)	1801	4	3121	8
4907	32807	1199	8	3151	6
4908	Pusa 44 (Sensitive check)	1561	5	4167	3
4909	32821	1864	2	5052	2
4912	FL 478 (Saline tolerant check)	1486	6	4048	4
4917	LC	1233	7	5335	1
4919	PR 127 (Observational Sensitive check)	1806	3	3127	7
Experimental Mean		1661		3906	
CD(0.05)		301		109	
CV(%)		10.35		1.59	
F val		14.13**		627.14**	
DOS		27-06-2025			
DOP		08-08-2025			
Local Check Name		Karikagga			

Table No. 17.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT Normal, Kharif 2025

Entry No	IET No	ZONE III - EASTERN		
		Odisha		
		Cuttack		
		DFF	PH	PAN
4901	31878*	111	85	176
4902	31877*	107	86	173
4903	Buthnath (Coastal saline Tolerant check)	111	98	171
4905	CSR 10 (Early duration saline check)	110	103	167
4906	31889 (R)	109	85	186
4907	32807	116	96	194
4908	Pusa 44 (Sensitive check)	111	104	178
4909	32821	105	87	189
4910	32812	122	100	218
4911	32795	121	85	180
4912	FL 478 (Saline tolerant check)	96	106	179
4913	32822	113	102	174
4914	32809	102	92	237
4915	32802	115	105	198
4916	32806	112	101	183
4917	LC	120	87	176
4918	32813	109	92	195
4919	PR 127 (Observational Sensitive check)	89	104	239
4920	32823	131	106	174
4921	32798	100	90	266
4922	32793	90	95	192
Experimental Mean		109	95	192
Standard Error		1.36		

Table No. 17.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT Normal, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN		
		Kerala		
		Vytilla		
		DFF	PH	PAN
4903	Buthnath (Coastal saline Tolerant check)	105	107	545
4905	CSR 10 (Early duration saline check)	102	97	523
4907	32807	117	125	327
4908	Pusa 44 (Sensitive check)	112	111	329
4909	32821	111	130	391
4912	FL 478 (Saline tolerant check)	102	98	263
4917	LC	104	111	308
4919	PR 127 (Observational Sensitive check)	107	96	324
Experimental Mean		107	109	376
Standard Error		1.73		

Table No. 17.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – CSTVT Normal, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTHERN					
		Karnataka			Puducherry		
		@Brahmavar			@Karaikal		
		DDF	PH	PAN	DDF	PH	PAN
4903	Buthnath (Coastal saline Tolerant check)	81	62	321	81	99	237
4905	CSR 10 (Early duration saline check)	65	34	312	81	105	307
4907	32807	90	66	309	96	94	403
4908	Pusa 44 (Sensitive check)	88	70	314	104	113	460
4909	32821	88	52	326	95	97	286
4912	FL 478 (Saline tolerant check)	64	63	282	95	127	475
4917	LC	86	67	199	91	118	522
4919	PR 127 (Observational Sensitive check)	105	120	164	93	101	427
Experimental Mean		83	66	278	92	106	389

Table No. 17.4: Grain quality characteristics of entries in AVT 2 & 1 – CSTVT, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1764	4901	31878	80.3	68.4	54.0	6.54	2.61	2.50	LB	OC	5.0	23.05	72
1765	4902	31877	79.1	70.7	66.4	6.27	2.08	3.01	LS	OC	5.0	22.38	22
1766	4903	Buthnath (CSTC)	77.2	67.0	57.9	6.29	2.31	2.72	LB	OC	4.0	26.48	24
1767	4904	31067	76.1	62.4	49.4	6.07	2.26	2.68	LB	OC	4.0	24.62	48
1768	4905	CSR-10 (EDSC)	77.2	67.7	55.8	5.04	2.41	2.09	SB	VOC	4.0	24.08	53
1769	4906	31889	78.8	69.3	65.3	6.80	2.12	3.20	LS	VOC	4.0	24.55	49
1770	4907	32807	77.2	65.1	53.3	6.42	2.05	3.13	LS	VOC	4.0	28.21	75
1771	4908	Pusa-44 (SC)	76.1	65.0	60.1	5.67	2.02	2.80	MS	VOC	7.0	23.61	35
1772	4909	32821	78.6	71.1	66.4	6.38	2.03	3.14	LS	VOC	5.0	27.95	70
1773	4910	32812	77.0	67.4	63.4	5.41	2.47	2.19	SB	VOC	4.0	27.74	83
1774	4911	32795	77.1	63.4	50.4	5.41	2.47	2.19	SB	VOC	4.0	27.92	65
1775	4912	FL-478 (STC)	77.6	68.2	62.3	6.53	2.30	2.83	LB	OC	4.0	24.75	22
1776	4913	32822	77.7	67.5	56.3	5.01	1.66	3.01	SS	A	4.0	26.54	25
1777	4914	32809	76.7	67.8	61.6	6.02	2.08	2.89	LB	VOC	4.0	27.77	72
1778	4915	32802	78.5	70.3	66.4	6.45	2.09	3.08	LS	A	4.0	23.73	55
1779	4916	32806	76.1	64.5	47.6	5.18	2.34	2.21	SB	VOC	4.0	25.93	71
1780	4917	LC	76.9	65.0	53.8	5.85	1.70	3.44	LS	A	4.0	27.69	45
1781	4918	32813	76.8	65.0	55.7	5.49	2.41	2.27	SB	OC	4.0	27.69	64
1782	4919	PR-127 (OSC)	77.7	71.1	69.6	6.23	2.16	2.80	LB	A	7.0	26.45	42
1783	4920	32823	78.5	68.1	58.1	5.60	2.33	2.40	SB	VOC	4.0	28.57	51
1784	4921	32798											
1785	4922	32793											
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernel length (mm) KB: Kernel Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernel length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

**INITIAL VARIETY TRIAL - COASTAL SALINE TOLERANT VARIETY TRIAL
(IVT - CSTVT)**

Locations: 16

Test Entries: 31

**Checks: Bhuthnath (Coastal Saline Check), FL478, CSR 10 Table: 18
(Early duration check), Pusa 44 (Sensitive check), PR
127 (Observational Check) and Local check**

IVT– CSTVT trial constituted with 31 test entries and 6 checks. The trial sent to 16 locations and data was received from 14 locations during Kharif 2025 except from Baruch, Kurumbapet. However, the data from 6 locations is only suitable for inclusion in the final analysis. The analyzed data pertaining to yield, days to 50% flowering, plant height, panicles/m² and quality presented in tables 18.2 and 18.3. Inclusion of locations in the final analysis is based on monitoring tour reports and location wise information about stress level of EC and pH, CV%, yield range and mean yield as presented in tabular form.

General information about soil stress parameters and yield performance of entries under in IVT- CSTVT, Kharif, 2025

Location/State	Soil pH	Soil EC (dSm-1)	Exptl mean (kg/ha)	Grain Yld Range (Kg/ha)	CV %	Remarks
Zone-II						
Karnal (Microplot)	7.5	10.0	3294	1852-4259	12.16	Data considered to identify tolerant genotypes only
Zone-III						
Chinsurah (Gosaba)	7.25	5.94	4257	2507 -5488	10.8	Data considered for analysis under stress
Canning Town	8.01	6.99	3749	1007 -5636	11.4	Data considered for analysis under stress
CRRI, Cuttack	7.9 - 8.1	5.8 – 8.5	3387	2759-4060	8.82	Sensitive checks high yield than tolerant. Data not considered.
Zone-VI						
Navsari (Danti)	8.5	5.3	2749	1121 -4220	17.9	Data considered for analysis under stress
Nawagam	8.1	4.0	33	2001 -4752	12.3	Data considered for analysis under stress
Panvel	7.8	11.4	--	--	--	Trial vitiated at vegetative stage
Goa	6.8	4.1	3399	1632 -4912	4.21	Data not considered based on monitoring tour report
Zone-VII						
Machilipatnam	8.7	5.9	3022	2028 -4935	17.5	Data considered for analysis under stress.
Vytilla	4.96	4.15	4205	3000 -5667	13.6	Data considered for analysis under stress.
Mugad	7.13	5.41	3829	2330-5323	4.21	Low CV%. Sensitive check is high yield than tolerant. Data not considered.
Brahmavar	7.8	6.5	1043	543-2311	12.8	Data not considered. Low Exptl. mean (<2000 kg/ha)
Karaikal (Puducherry)	8.7	1.6	3406	1733-4789	12.14	Data not considered. Sensitive check high yield than tolerant.

Among the test entries and checks across zones, IET 33830 (5386 kg/ha), and IET 33819 (4752 kg/ha) are top performing in zone-III and Zone-VI respectively, while local check (4894 kg/ha) is highest yielding in Zone-VII. The CV% varied from 10.79% (Chinsurah) to 17.92% (Navsari). Days to 50% flowering varied from 83 days (FL 478) in Zone-II to 126

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days (33809, 33826) in zone-VII. PR 127 is the shortest with 51 cm height (Z-II), followed by CSR 10 (Z-III, VI), while IET 33835 is the tallest culture with 163 cm height (Zone-III).

Zones	II (1)	III (3)	VI (4)	VII (5)
Zonal mean (Kg/ha)	1852 (IET 33828)– 4259 (CSR 10)	2131 (FL478) – 5386(IET 33830)	1676(Pusa 44) – 4752 (IET 33819)	3054 (IET 33809) – 4894 (LC)
Exp Mean (Kg/ha)	3294 (Karnal)	3749 (CNG) – 4257 (CHN)	2749 (NVS) – 3339 (NWG)	3022 (MCM) – 4205 (VYT)
CV%	12.16 (Karnal)	10.79 (CHN) – 11.37 (CNG)	12.28 (NWG) – 17.92 (NVS)	13.61 (VYT) – 17.53 (MCM)
DFF	79 (IET 33813) – 117 (IET 33835)	88 (IET 33834) –120 (IET 33828)	83 (FL478) – 111 (IET 33828)	100 (LC) – 126 (IET 33809, 33826)
PH (cm)	51 (PR 127) – 81 (IET 33806)	84 (CSR 10) – 163 (IET 33835)	79 (CSR 10) – 142 (IET 33835)	83 (IET 33808) – 123 (IET 33822)
Pan/m ²	99 (IET 33828) – 284 (IET33823, CSR 10)	251 (IET 33807) – 491 (IET 33814)	244 (IET 33822) – 334 (IET 33813)	193 (IET 33815) – 330 (IET 33828)
Data Not Included	-	CRRI, Cuttack	Panvel & Goa	Brahmavar, Puducherry (Karaikal) and Mugad
Locations considered	1 (Microplot conditions)	2	2	2

In microplot evaluation under controlled stress conditions at ICAR-CSSRI, Karnal, the IETs. 33807, 33808, 33809, 33819, 33823 & 33825 recorded SES score ranging from 3.7 to 5.0 exhibiting tolerance as compared to tolerant and sensitive checks.

Zone-Wise Performance of entries in IVT - CSTVT during Kharif, 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha);Rank/DFF						Remarks
	III (2)		VI (4)		VII (2)		
	Yield	DFF	Yield	DFF	Yield	DFF	
33830 (CR-3477-1-M-1-B-SU-78-S-2-B) Swarna/Kamini//Gangasiuli	5386 (1)	92					Promoted
33826 (CR -4556-3-1) CR DHAN-802/CR-4169-36//FL-478	5365 (2)	116					Promoted
33823 (TNR-1), CSR-27XDwarf mutant csr-27	5357 (2)	106					Promoted
33806 (NVS-6667),GNR X IR11T230	4104	91					Promoted
33822 (CR-4084-2-1-S-1) CR-2838-SR-27/Bina dhan-10	4104	95					Promoted
33824 (CR -3438-1-M-3-1-S-1-2) Naveen/FL-496	4437	96					Promoted
33813 (CR 6522- IR-20LT2144) IR14A533/ IR 127152-2-10	--	--	3463	84			Promoted
Bhuthnath (Coastal saline Tolerant)	4531	101	4023	91	4181	116	
CSR 10 (Early duration saline check)	3485	95	2967	90	4035	110	
FL 478 (Saline tolerant check)	2131	98	2846	83	3363	114	
Local check (LC)	4223	98	2851	86	4894 (1)	100	
Pusa 44 (Sensitive check)	3307	92	1676	88	3826	110	
PR 127(Observational Sensitive check)	3431	102	2514	84	3312	106	
CD	531		600		674		
Early Check + CD	4016		3446		5568		

Performance of entries: Zone-III

In Zone-III, based on Canning Town and Chinsurah, six test cultures namely IET Nos. 33830, 33826, 33823, 33806, 33822 & 33824 recorded the required significant yield superiority over best check.

IET Nos. 33830, 33826, 33823, 33806, 33822 & 33824 promoted to AVT1-CSTVT

Performance of entries : Zone-VI

In Zone-VI, the trial data three locations- Navsari, Nawagam and Goa. Two locations (Navsari, Nawagam) data was included in the final analysis. Bhuthnath is the best check with 4023 kg/ha and 91 days to flowering. None of the test entries exhibited significant yield superiority over best check. Upon comparison of early duration check- FL 478 (2846 kg/ha) with 83 days to flowering, IET 33813 (3463kg/ha) exhibited significant yield superiority over early check (Table 50.1).

IET 33813 is promoted to AVT1-CSTVT in Zone-VI

Performance of entries: Zone-VII

In zone-VII, the data from Machilipatnam, Mugad, Brahmavar, Puducherry (Karaikal) and Vytilla received. The data from Machilipatnam and Vytilla were only suitable for inclusion in the final analysis. Among the test entries and checks, Local check with mean yield of 4894 kg/ha and 100 days to 50 % flowering is the highest yielding entry and best check as well as early check (Table 50.1). ***None of the entries found promising over best check & early check in Zone-VII.***

None merits promotion in zone-VII to AVT 1 - CSTVT

Summary of entries promoted in IVT - CSTVT to AVT 1 - CSTVT

Zone-III: IET Nos. 33830, 33826, 33823, 33806, 33822 & 33824

Zone-VI: IET 33813

IET Nos. 33830, 33826, 33823, 33806, 33822, 33824 & 33813 are promoted to AVT1-CSTVT

Table No. 18.1: Composition of entries in Initial Variety Trial – Coastal Saline Tolerant Variety Trial (IVT – CSTVT), Kharif 2025

Entry No	IET No.	Designation	Cross Combination	GT
5001	33806	NVSR-6667	GNRXIR11T230	LB
5002	33807	NVSR-5140	GR17*3/IR55179-3B-11-3	MB
5003	Coastal saline Tolerant check (Buthnath)			LS
5004	33808	GR09-12-153	Jaya x CSR 27	SB
5005	33809	RP 6852-IR18T1007	A 69-1/IDSA 77//IRRI 154	SB
5006	33810	KR 23002	Mutant of Improved white ponni	MB
5007	33811	GKTK-BC21-2-18/NIL (BC2F5:6)	PB1*2/Oryza glaberrima S.	LS
5008	Early duration saline check (CSR 10)			
5009	33812	RP 6850-IR20R1209	IRRI 154*4/UVAR VELLAI	MB
5010	33813	CR 6522- IR-20LT2144	IR14A533/ IR 127152-2-10	MB
5011	33814	GKTK-BC21-3-23/NIL (BC2F5:6)	PB1*2/Oryza glaberrima S.	LS
5012	33815	NLR-40065	NLR 34150 x NLR 33057	MS
5013	33816	CR 6509-400gy-6-Sal-3-5-B	Satabdi mutant	LS
5014	33817	NLR-40058	NLR 34150 x NLR 33057	SB
5015	Saline tolerant check (FL 478)			MB
5016	33818	GR09-3-194	Jaya x CSR 27	SB
5017	33819	NLR-33671	NLR 33055 x NLR 145	MS
5018	33820	CRAC-4423-17-1	Doubled Haploid of F1s (Savitri x Pokkali)	SB
5019	Local check (LC)			
5020	33821	RP 6857-IR20R1957	IR 29/PERIYAVELLAI//2*IR 29 (SALINITY SELECTION)////IR 833-6-2-1-1//IR 1561-149-1/IR 1737	MB
5021	33822	CR-4084-2-1-S-1	CR-2838-SR-27/Bina dhan-10	MS
5022	33823	TNR-1	CSR-27XDwarf mutant csr-27	MB
5023	33824	CR -3438-1-M-3-1-S-1-2	Naveen/FL-496	MB
5024	Sensitive check (Pusa 44)			LS
5025	33825	GR10-8-193	Goa Dhan 1 x Jaya	MB
5026	33826	CR -4556-3-1	CR DHAN-802/CR-4169-36//FL-478	MB
5027	33827	NVSR-5146	GR17*3/IR55179-3B-11-3	MS
5028	33828	CR-2859-5-B-2-7-B-B-9	Varshadhan/FL-496	MB
5029	33829	RP 6851-IR20R1635	IRRI 168*4/KALLUNDAI	MS
5030	Observational Sensitive check (PR 127)			MB
5031	33830	CR-3477-1-M-1-B-SU-78-S-2-B	Swarna/Kamini//Gangasiuli	MB
5032	33831	RP 6855-IR19T1013	IR14D154/IR11T189	MS
5033	33832	CR 3483-1-M-4-B-SU-1-5-S-B	IR-64/Pokkali-41585//Gangasiuli	MS
5034	33833	RP 6849-IR20R1421	IRRI 168*4/MUDALIWI	LB
5035	33834	CRAC- 4424-122	Doubled Haploid of 8433DT	LS
5036	33835	CN 2171-113-3-2-1-1	Swarna Sub1/Patnai23	LB
5037	33836	IR20LT2572	IR14A431/IR 127152-2-10	MB

Table No. 18.2: Grain Yield (kg/ha) in IVT – CSTVT (Coastal Saline), Kharif 2025

Entry No	IET No	ZONE III - EASTERN		ZONE III - EASTERN (2)		ZONE VI - WESTERN		ZONE VI - WESTERN (2)		ZONE VII - SOUTHERN		ZONE VII - SOUTHERN (2)	
		Chinsurah	Canning	Mean	Navasari	Gujarat	Navagam	Mean	Andhra Pradesh	Kerala	Mean	Andhra Pradesh	Kerala
5001	33806	4963	3244	4104	2150	2973	3046	2561	3046	4500	3773	3046	4500
5002	33807	4285	1881	3083	2606	3757	2062	3181	2062	5417	3739	2062	5417
5003	Coastal saline Tolerant check (Butthnath)	4767	4296	4531	3573	4473	4023	4	3111	5250	4181	3111	5250
5004		5219	4178	4698	3333	3290	2028	3311	2028	4167	3097	2028	4167
5005	33809	4956	2696	3826	3742	4	4348	3	2108	4000	3054	2108	4000
5006	33810	5237	4593	4915	3673	7	3444	3559	2191	4917	3554	2191	4917
5007	33811	4393	2104	3248	2337	3555	2213	2946	2213	4167	3190	2213	4167
5008	Early duration saline check (CSR 10)	3163	3807	3485	2404	3531	2571	2967	2571	5500	4035	2571	5500
5009		33812	3856	4415	1990	3564	3833	2777	3102	3667	3468	3102	3667
5010	33813	3759	4741	4250	2644	4281	4	3463	2920	5667	4293	2920	5667
5011	33814	3304	1194	2249	1765	3059	2412	2512	2512	3917	3214	2512	3917
5012	33815	3622	3770	3696	4133	2	4024	3	2682	4083	3383	2682	4083
5013	33816	3870	3905	3888	1333	2241	2299	1787	2299	3917	3108	2299	3917
5014	33817	4819	4880	4849	3695	5	3750	3875	3083	3750	3417	3083	3750
5015	Saline tolerant check (FL 478)	3256	1007	2131	2406	3285	2725	2846	2725	4000	3363	2725	4000
5016		5052	4142	4597	3230	3622	3426	10	2796	4250	3523	2796	4250
5017	33819	4807	3397	4102	4220	1	4752	1	2392	4417	3404	2392	4417
5018	33820	4248	3077	3663	2119	2780	2450	3417	3022	3417	3219	3022	3417
5019	Local check (LC)	4170	4276	4223	3234	2468	2851	2851	4787	2	4894	4787	2
5020		33821	4156	3331	3295	10	3280	3288	2380	5333	3856	2380	5333
5021	33822	3807	4400	4104	3951	3	2756	2756	3355	3917	3636	3355	3917
5022	33823	5111	5603	5357	3951	3	2626	3288	3466	7	3941	3466	7
5023	33824	4922	3953	4437	2308	2001	2154	2154	3377	8	4147	3377	8
5024	Sensitive check (Pusa 44)	3130	3484	3307	1121	2232	1676	1676	2901	4750	3826	2901	4750
5025		3556	3354	3455	2464	3516	2990	2990	3272	3417	3344	3272	3417
5026	33826	5448	5281	5365	3143	3906	8	3524	4935	1	4426	4935	1
5027	33827	3556	1243	2399	2139	3338	2739	2739	3315	3917	3616	3315	3917
5028	33828	4056	5483	4769	1966	3444	2705	2705	4333	3	3875	4333	3
5029	33829	4067	4770	4419	2551	3675	3113	3113	3559	6	3279	3559	6
5030	Observational Sensitive check (PR 127)	4041	2821	3431	1786	3242	2514	2514	3373	9	3312	3373	9
5031		5137	5636	5386	3124	3656	3390	3390	4142	4	3904	4142	4
5032	33830	4026	3147	3586	2556	2597	2577	2577	3228	3667	3448	3228	3667
5033	33832	4759	4898	4829	3683	6	3833	6	3358	10	3554	3358	10
5034	33833	4085	3560	3823	2215	3396	2805	2805	2432	3750	3091	2432	3750
5035	33834	3633	3904	3769	2625	3045	2778	2778	4333	3556	3556	4333	3556
5036	33835	5063	3504	4283	2250	2790	2194	2520	2194	3917	3056	2194	3917
5037	33836	4852	3924	4388	3208	2670	2939	2939	3750	5	3917	3750	5
Experimental Mean		4257	3749	4003	2749	3339	3044	3044	3022	4205	3613	3022	4205
CD(0.05)		748	694	531	802	667	600	600	862	931	674	862	931
CV(%)		10.79	11.37	8.15	17.92	12.28	12.11	12.11	17.53	13.61	11.46	17.53	13.61
F val		7.59**	22.83**	18.14**	7.64**	7.53**	8.6**	8.6**	5.55**	4.06**	3.16**	5.55**	4.06**
DOS		02-07-2025	08-06-2025		07-07-2025	01-07-2025			01-07-2025	13.06.2025		01-07-2025	13.06.2025
DOP		01-08-2025	24-07-2025		30-07-2025	01-08-2025			15-08-2025	14.07.2025		15-08-2025	14.07.2025
Local Check Name		Chinsurah sona 1	Canning 7						MCM-100	VTL-10		MCM-100	VTL-10

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Table No. 18.2 (Contd.): Grain Yield (kg/ha) in IVT – CSTVT (Saline Microplot), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN	
		Haryana	
		Karnal	
5001	33806	3556	
5002	33807	3685	7
5003	Coastal saline Tolerant check (Buthnath)	3537	
5004	33808	3722	5
5005	33809	3759	4
5006	33810	3389	
5007	33811	3056	
5008	Early duration saline check (CSR 10)	4259	1
5009	33812	2500	
5010	33813	3463	
5011	33814	2463	
5012	33815	3481	
5013	33816	3556	
5014	33817	3500	
5015	Saline tolerant check (FL 478)	3444	
5016	33818	3556	
5017	33819	3704	6
5018	33820	2481	
5019	Local check (LC)	3667	8
5020	33821	2833	
5021	33822		
5022	33823	4000	2
5023	33824	3241	
5024	Sensitive check (Pusa 44)	2519	
5025	33825	3815	3
5026	33826	3148	
5027	33827	3463	
5028	33828	1852	
5029	33829	2889	
5030	Observational Sensitive check (PR 127)	2833	
5031	33830	3593	10
5032	33831	3444	
5033	33832	3667	8
5034	33833	3352	
5035	33834	3481	
5036	33835	2259	
5037	33836	3407	
Experimental Mean		3294	
CD(0.05)		652	
CV(%)		12.16	
F val		5.18**	
DOS		12-06-2025	
DOP		22-07-2025	
Local Check Name		CSR-27	

Table No. 18.2 (Contd.): Grain Yield (kg/ha) in IVT – CSTVT (Normal), Kharif 2025

Entry No	IET No	ZONE III – EASTERN		ZONE VI – WESTERN		ZONE VII – SOUTERN		ZONE VII – SOUTERN (2)	
		Odisha	Cuttack	Goa	Goa	Karnataka	Puducherry	Karaikal	Mean
5001	33806	2856		4439	5	4473	8	2356	3414
5002	33807	3213		2307		2577		2344	2461
5003	Coastal saline Tolerant check (Buthnath)	2852		3887		3977		2122	3049
5004	33808	3208		3537		4227		3233	3730
5005	33809	3843	4	4685	3	5270	2*	3067	4168
5006	33810	3380		2534		4037		2356	3196
5007	33811	3306		3986		4683	6	2544	3614
5008	Early duration saline check (CSR 10)	3593		3430		3607		3856	9
5009	33812	3338		2997		3290		3256	3273
5010	33813	3060		3474		4063		3756	3909
5011	33814	3019		3128		4117		1733	2925
5012	33815	3662	9	4656	4	4823	4*	2467	3645
5013	33816	3986	3	3109		3453		3811	3632
5014	33817	2977		3986	10	4463	9	3289	3876
5015	Saline tolerant check (FL 478)	3630		1632		2803		3556	3179
5016	33818	3731	5	3174		3140		4011	8
5017	33819	3991	2	4169	7	4050		3356	3703
5018	33820	3319		2292		2890		3333	3112
5019	Local check (LC)	3537		3882		2330		4456	2
5020	33821	2866		4205	6	4380		3189	3784
5021	33822	3264		3323		5057	3*	2722	3889
5022	33823	3361		4154	8	2620		3089	2854
5023	33824	3551		3697		4553	7	3789	4171
5024	Sensitive check (Pusa 44)	3634		2952		4437	10	4311	4
5025	33825	2931		2935		3490		3856	9
5026	33826	3389		3076		3587		3344	3466
5027	33827	3644	10	3445		3767		4389	3
5028	33828	2852		2999		2937		4111	6
5029	33829	3389		1865		3680		3822	3751
5030	Observational Sensitive check (PR 127)	3722	6	4912	1	2563		4044	7
5031	33830	3708	7	2242		5323	1*	3656	4489
5032	33831	3667	8	4703	2	3543		3744	3644
5033	33832	3435		2674		4710	5*	4789	1
5034	33833	3199		2885		3037		4278	5
5035	33834	3389		3191		3890		3756	3823
5036	33835	2759		3060		3970		3244	3607
5037	33836	4060	1	4154	8	3840		2978	3409
Experimental Mean									
CD(0.05)		3387		3399		3829		3406	3617
CV(%)		486		635		263		688	363
F val		8.82		11.48		4.21		12.41	6.17
DOS		4.13**		13.1**		71.23**		8.67**	12.59**
DOP		27-06-2025		12-06-2025		15-06-2025		24-06-2025	
Local Check Name		01-08-2025		17-07-2025		16-07-2025		23-07-2025	
				Goa Dhan 1		Kogga		KKLR 3	

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Table No. 18.2 (Contd.): Grain Yield (kg/ha) in IVT – CSTVT (Normal), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTERN	
		Karnataka	
		@Brahmawar	
5001	33806	922	
5002	33807	1048	9
5003	Coastal saline Tolerant check (Buthnath)	2151	2
5004	33808	2311	1
5005	33809	1995	3
5006	33810	985	
5007	33811	922	
5008	Early duration saline check (CSR 10)	1014	
5009	33812	1616	6
5010	33813	1035	10
5011	33814	976	
5012	33815	1237	7
5013	33816	1772	4
5014	33817	859	
5015	Saline tolerant check (FL 478)	1115	8
5016	33818	795	
5017	33819	673	
5018	33820	795	
5019	Local check (LC)	1759	5
5020	33821	859	
5021	33822	939	
5022	33823	543	
5023	33824	543	
5024	Sensitive check (Pusa 44)	543	
5025	33825	812	
5026	33826	909	
5027	33827	825	
5028	33828		
5029	33829	686	
5030	Observational Sensitive check (PR 127)	606	
5031	33830	1010	
5032	33831	871	
5033	33832	850	
5034	33833	682	
5035	33834	1031	
5036	33835	808	
5037	33836		
Experimental Mean		1043	
CD(0.05)		218	
CV(%)		12.81	
F val		34.48**	
DOS		27-06-2025	
DOP		08-08-2025	
Local Check Name		Karikagga	

Table No. 18.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – CSTVT (Coastal Saline), Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (2)						ZONE VI - WESTERN						ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (2)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		West Bengal						Gujarat						Navagam						Machilipatnam						Kerala						Vytilla																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Chinsurah			Canning			Navasari			Nawagam			Navasari			Nawagam			Machilipatnam			Machilipatnam			Vytilla			Vytilla			Vytilla			Vytilla																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH

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Table No. 18.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – CSTVT (Saline Microplot), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		
		Haryana		
		Karnal		
		DDF	PH	PAN
5001	33806	89	81	209
5002	33807	82	67	227
5003	Coastal saline Tolerant check (Buthnath)	91	70	191
5004	33808	106	71	236
5005	33809	113	75	251
5006	33810	80	68	157
5007	33811	86	65	149
5008	Early duration saline check (CSR 10)	97	62	284
5009	33812	85	70	137
5010	33813	79	66	172
5011	33814	112	64	128
5012	33815	104	65	184
5013	33816	104	68	194
5014	33817	104	76	185
5015	Saline tolerant check (FL 478)	80	63	162
5016	33818	103	71	201
5017	33819	102	65	234
5018	33820	116	64	136
5019	Local check (LC)	94	71	221
5020	33821	114	67	146
5021	33822			
5022	33823	100	73	284
5023	33824	83	65	152
5024	Sensitive check (Pusa 44)	106	53	143
5025	33825	88	63	253
5026	33826	114	59	151
5027	33827	83	64	180
5028	33828	95	65	99
5029	33829	85	60	147
5030	Observational Sensitive check (PR 127)	94	51	143
5031	33830	112	65	218
5032	33831	92	65	164
5033	33832	114	74	221
5034	33833	81	65	155
5035	33834	114	71	181
5036	33835	117	79	117
5037	33836	88	70	159
Experimental Mean		97	66	182
Standard Error		2.26		

Table No. 18.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – CSTVT (Normal), Kharif 2025

Entry No	IET No	ZONE III - EASTERN			ZONE VI - WESTERN			ZONE VII - SOUTHERN			ZONE VII - SOUTHERN (2)		
		Odisha			Goa			Karnataka			Puducherry		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5001	33806	98	88	213	92	153	209	95	163	225	82	118	212
5002	33807	98	88	191	89	98	242	92	107	227	82	90	275
5003	Coastal saline Tolerant check (Buthnath)	105	100	210	96	112	237	100	116	231	89	94	162
5004	33808	104	90	203	107	112	264	113	116	280	94	126	316
5005	33809	101	93	258	113	129	242	116	130	266	101	115	325
5006	33810	103	98	222	105	108	275	109	111	267	86	95	272
5007	33811	94	96	217	96	122	236	98	125	236	84	102	164
5008	Early duration saline check (CSR 10)	93	93	207	92	87	341	93	91	298	82	79	443
5009	33812	126	100	211	105	143	281	107	148	263	84	95	259
5010	33813	96	98	235	92	122	253	95	129	242	82	97	470
5011	33814	104	107	233	106	124	231	110	131	242	84	98	179
5012	33815	95	95	216	107	128	269	112	133	243	84	91	159
5013	33816	99	91	254	89	106	335	92	115	308	93	103	416
5014	33817	92	92	216	104	130	209	107	134	222	94	103	320
5015	Saline tolerant check (FL 478)	97	95	213	89	93	308	87	100	295	82	90	334
5016	33818	97	99	224	103	107	226	102	111	218	89	92	407
5017	33819	98	96	277	95	109	176	97	113	191	77	114	382
5018	33820	103	97	214	110	144	209	114	149	222	89	133	251
5019	Local check (LC)	122	107	239	99	116	226	82	139	249	90	122	496
5020	33821	104	95	210	115	153	215	102	122	223	82	112	340
5021	33822	127	109	208	106	128	281	118	161	226	98	137	271
5022	33823	104	102	203	100	129	231	109	139	267	89	130	284
5023	33824	91	89	232	105	106	220	103	134	246	84	150	356
5024	Sensitive check (Pusa 44)	104	92	211	96	110	242	109	112	232	89	107	425
5025	33825	95	87	228	113	109	215	99	114	249	82	95	439
5026	33826	121	109	243	93	108	248	115	113	223	104	107	281
5027	33827	96	82	246	127	139	264	96	114	247	82	103	437
5028	33828	95	110	218	110	114	269	130	139	285	116	116	443
5029	33829	95	104	217	104	95	225	113	119	260	89	93	355
5030	Observational Sensitive check (PR 127)	96	91	222	115	147	231	107	101	235	84	136	420
5031	33830	98	111	263	110	109	209	117	151	224	94	95	384
5032	33831	119	104	225	115	150	253	113	113	227	88	142	320
5033	33832	98	96	220	113	128	242	117	153	267	96	119	493
5034	33833	99	90	199	112	148	314	115	132	231	84	136	443
5035	33834	105	96	258	120	182	149	114	153	280	85	141	392
5036	33835	121	109	237	107	122	269	122	184	196	106	168	341
5037	33836	97	95	213	106	136	225	109	126	256	84	108	299
Experimental Mean		102	97	224	104	123	245	106	128	245	88	112	339
Standard Error		1.64			0.71			0.43			2.73		1.81

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Table No. 18.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – CSTVT (Normal), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE VII - SOUTERN		
		Karnataka		
		@Brahmawar		
		DDF	PH	PAN
5001	33806	66	80	284
5002	33807	61	60	254
5003	Coastal saline Tolerant check (Buthnath)	75	63	281
5004	33808	81	67	318
5005	33809	87	71	313
5006	33810	74	74	255
5007	33811	81	72	325
5008	Early duration saline check (CSR 10)	75	28	329
5009	33812	57	73	313
5010	33813	77	61	362
5011	33814	81	60	314
5012	33815	86	71	337
5013	33816	76	60	381
5014	33817	85	73	333
5015	Saline tolerant check (FL 478)	66	51	317
5016	33818	83	42	321
5017	33819	74	63	319
5018	33820	86	75	353
5019	Local check (LC)	112	117	225
5020	33821	81	50	316
5021	33822	86	57	377
5022	33823	86	67	309
5023	33824	67	46	313
5024	Sensitive check (Pusa 44)	90	51	281
5025	33825	82	62	372
5026	33826	88	63	331
5027	33827	66	46	363
5028	33828			
5029	33829	81	43	372
5030	Observational Sensitive check (PR 127)	82	75	319
5031	33830	88	72	318
5032	33831	80	62	311
5033	33832	87	54	304
5034	33833	85	52	325
5035	33834	83	54	362
5036	33835	91	72	354
5037	33836			
Experimental Mean		80	62	321

Advance Varietal & Initial Variety Trial - Aromatic Grain Type (AVT 2 &1 & IVT - AGT)

Locations: 33

Test entries: 34

Table: 25

Checks: Shobini (National), Badshahbhog Sel-1 (Northern & Central), CR Sugandh Dhan 907 (Eastern & North Eastern), GAR – 14 (Western) Sugandh Samba (Southern) – Zonal, Dubraj Sel-1 and Ketekijoha – Quality, Rajendranagar Vari-2 (RNR 15435) – Long Grain Check and Local check.

Advance Varietal & Initial Variety Trial Aromatic Grain Type (AVT 2 &1 & IVT-AGT) was constituted with **34 test entries** in all the zones along with National check - Shobini, zonal check Badshahbhog Sel-1 (Northern and central), CR Sugandh Dhan 907 (Eastern and North-Eastern), GAR-14 (Western), Sugandh Samba (Southern). The quality checks were Dubraj Sel-1, Ketakijoha and long grain check was Rajendranagar Vari 2 (RNR 15435) and local check. The trial was sent to **33 locations** and the data was received from **28 locations**. Among the 34 test entries, one entry was in the third year of testing, six entries in second year of testing and the remaining 27 entries was in the first year of testing. The data from 5 centers was not received i.e., Chinsurah, Bankura, Gerua, Bilaspur and Kurumbapet. The data from Kanpur, Nagina, Sabour, Jeypore, Gorakhpur, Hathwara, was excluded in analysis due to low experimental yield (< 3500 Kg/ha) and hence data from 28 locations was utilized in data analysis. The data for grain yield, days to 50% flowering, plant height, panicles/m² and data of grain quality are presented in the Table.

Zones	II	III	IV	V	VI	VII
Zonal mean (kg/ha)	--	3712 (ZC) - 5282 (IET 33925)	3100 (IET 33928) - 5487 (IET 32846)	5276 (IET 33920) - 3480 (IET 33933)	3414 (IET 33917) - 5318 (LC)	4349 (IET 33924) - 7590 (IET 33920)
Exp Mean (kg/ha)	--	3690 (CTK)- 5327 (VRN)	3631 (ARD) - 4080 (TTB)	3911 (JBP)- 6962 (ABP)	4076 (NWG) - 4253 (NVS)	4938 (PTB) - 7223 (RJN)
CV%	--	7.42 (PNB) - 17.04 (CTK)	4.13 (ARD) - 10.16 (TTB)	9.21 (ABP)- 22.11 (JBP)	6.75 (NWG) - 12.22 (KJT)	6.28 (GNV) - 22.94 (PTB)
DFP	--	94 (IET 33922/ 33928/ 33930) - 111(IET 33915)	52 (IET 33932) -100 (IET 32848)	95 (IET 33912/ 33921/ 33922/ 33932) - 114 (IET 33933)	84 (IET 33921) - 111 (QC Dubraj Sel-1)	93 (IET 33918) - 109 (IET 33926)
PH (cm)	--	96 (IET 33914) - 121 (IET 33926)	87 (IET 33912) - 134 (LC)	83 (IET 33924 - 150 (ZC)	95 (IET 33924/33931) - 153 (QC Dubraj Sel-1)	75 (IET 33931) -134 (LC)
Pan/m ²	--	233 (IET 33910) 345 (IET 33927)	332 (ZC) - 453 (IET 33932)	196 (IET 33914) - 256 (Check RNR 15435)	214 (IET 33918) - 305 (IET 33930)	246 (IET 33923) - 386 (IET 33924)
DNI (@)	2 LEM:KNP LEM:NGN	4 LEM : SBR, JYP, GRK, HTW	--	--	--	--
Locations considered	--	7	2	5	3	5

@DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

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Performance of the entries with required significant yield superiority over checks in (AVT 2 &1 & IVT - AGT) during *kharif* 2025

S. N o	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV/Aroma & Remarks
		II	III	IV	V	VI	VII	
	Entries in third year of testing							
1	IET 31909 (R 2356-218-98-1) Swarna /Badshabhog sel.-1	--	--	--	--	--	5340	SS; HRR: 67.0%; AC-23.61; GC-22; ASV-4; Aroma -MS
	Entries in second year of testing							
1	IET 32845 (RNR 41782) RNR 15435/SN370	--	5253 (2)*	--	--	--	--	MS; HRR: 50.3%; AC-26.95; GC-22; ASV-7; Aroma-SS Not promoted based on low HRR
2	IET 32846 (SRB-25-32-1-1) Sugandha Samba* Ganjekalli	--	5153 (4)*	5487 (1)*	--	--	--	LS; HRR: 57.3%; AC-28.51; GC-53; ASV-4; Aroma-MS Promoted to AVT2 in Zones III & IV
3	IET 31912 (BRR-2277) Taroari Basmati dwarf mutant 2*MTU7029	--	--	4762 (3)*	--	--	--	SS; HRR: 28.7%; AC-24.78; GC-49; ASV-4; Aroma – SS Not promoted based on low HRR
	Entries in first year of testing							
1	IET 33932 (NVSR-1727) IET-2417*NWGR-9081	--	5231 (3)*	4762 (3)*	--	--	--	MS; HRR: 23.5%; AC-28.45; GC-100; ASV-4; Aroma-NS Not promoted based on low HRR and no aroma
2	IET 33924 (RNR 28407) PUSA-1121 *Basmati 370	--	--	5028 (2)*	--	--	--	SS; HRR: 62.4%; AC-20.56; GC-100; ASV-5; Aroma- SS Promoted to AVT1 in Zone IV
3	IET 33925 (RP 6882-SRB9) Shobini*Muhulakuchi	--	5282 (1)*	4486 (5)*	--	--	--	LS; HRR: 55.1%; AC-26.25; GC-55; ASV-3; Aroma-SS Promoted to AVT1 in Zones III & IV
4	IET 33921 (ANR-MG8-4-21-E-25) GSR33*Gayatri*Khubu yya*IRLON50**CSR36 *SPS26*IRBB60*IRLO N25	--	--	4444 (6)*	--	--	--	SS; HRR: 59.1%; AC-27.86; GC-100; ASV-4; Aroma -MS Promoted to AVT1in Zone IV
5	IET 33920 (HURS-25-10) HUBR 2-1*CR Dhan 8010	--	--	--	--	--	7590 (1)*	MS; HRR: 55.1%; AC-26.34; GC-100; ASV-3; Aroma-SS Promoted to AVT1 in Zone VII
	Shobini (NC)		4692	3887	4522	4725	5466	
	Zonal Check (ZC)		3712	3472	3925	4219	6534	
	Long grain Check RNR 15435		4051	3163	3899	4175	5427	
	Quality Check (QC1) Dubraj Sel.1		4173	3966	4775	4499	4842	

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S. N o	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV/Aroma & Remarks
		II	III	IV	V	VI	VII	
	Quality Check (QC2) Ketekijoha		4843	3970	4709	4401	6285	
	Local Check (LC)		4743	3702	5054	5318	5744	
	CD		307	357	525	367	745	
	BC+CD		5150	4327	5579	5685	7279	

In second year of testing, entries i.e., IET 32845, IET 32846, IET 31912 and first year of testing, entries i.e, IET 33932, IET 33924, IET 33925, IET 33921, IET 33920 recorded required significant yield superiority, Whereas, IET 31912 (Low HRR) and IET 33932 (Low HRR and No aroma) are not promoted.

Three years' performance of the entries: One entry, IET 31909 R 2356-218-98-1 (Swarna /Badshabhog sel.-1) completed three years of testing with required significant advantage over the checks for two years (2023 and 2024), but not out-yield the checks in the third year of testing. Yield performance along with ranks across three years in various zones for these entries is given in the following table.

Table: Three-year performance of entries during *kharif* 2023, 2024 & 2025 Zone VII

	IET No	Year	II	III	IV	V	VI	VII	Grain quality (GT/HRR/AC/GC/ASV/Aroma) & Remarks	
1	IET 31909 R 2356-218-98-1 (Swarna /Badshabhog sel.-1)	2025	--	--	--	--	--	5340	SS; HRR: 67.0%; AC-23.61; GC-22; ASV-4; Aroma -MS	The entry did not out-yield in the third year of testing
		2024	--	--	--	--	--	6566 (4)*	SS; AC-23.32; GC-22; ASV-4; Aroma -MS	
		2023	--	--	--	--	--	6632 (1)*	SS; HRR: 59.5 %; AC- 23.52; GC-22; ASV-4; Aroma -MS	

Entries promoted:

AVT1 (AGT) to AVT 2 (AGT)		IVT (AGT) to AVT1 (AGT)	
Zone II:	None	Zone II:	None
Zone III:	IET 32846	Zone III:	IETs 33925, 33932
Zone IV:	IET 32846	Zone IV:	IETs 33932, 33924, 33925, 33921
Zone V:	None	Zone V:	None
Zone VI	None	Zone VI	None
Zone VII	None	Zone VII	IET 33920

Table No. 25.1: Composition of entries in Advance Varietal Trial 2 & 1 & Initial Varietal Trial – Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain Type
5701	31909*	R 2356-218-98-1	(Swarna / Badshabhog sel.-1)	SS
5702	32990*	28P67 (NIL)		LB
5703		28P67 (RP)	RP	LB
5704	Dubraj Sel. 1 (Quality Check)			MS
5705	31912	BRR-2277	Taroari Basmati Dwarf Mutant 2/MTU7029	SS
5706	32829	CRAC-3995-48-4	Doubled Haploid of BS6444G	MS
5707	32843	kumdhaphool Mutant-4	Mutant of Kumdhaphool	SB
5708	32845	RNR 41782	RNR 15435/SN 370	MS
5709	32846	SRB-25-32-1-1	Sugandha Samba/Ganjekalli	LS
5710	32848	RGL 7040 (MTU RM 428-1-1-1)	MTU 1262/MTU 1075	MS
5711	Shobini (National Check)			SS
5712	33994	SAVA 7501 pro (NIL) (PVT)	Hybrid	
5713		SAVA 7501 (RP)	RP	LB
5714	33995	28P68 (NIL) (PVT)		LS
5715		28P68 (RP)	RP	LS
5716	32980(R)	VPSY16 (NIL)	DRR Dhan 53 *2/ RP 5976-RIL	SS
5717		DRR Dhan 53 (RP)	RP	MS
5718		Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern)—Zonal Check		LB
5719	33910	NVSR-1710	IET-26125XGNR-2	SS
5720	33911	Chinnor Mutant -5	Mutant of Chinnor	LS
5721	33912	TRMH 2112 (H) (PVT)	Hybrid	SS
5722	33913	BRR 0311	Hafsal X Rajendra Sweta	LS
5723	33914	NDR 2025-13-CP-11	Rajendra Bhagwati/Pusa Sugandha 5	MS
5724	33915	R 2730-30-112-1AS	PKV HMT83/Badshabhog Sel.1	LS
5725	33916	NWGR-21169	Pusa Bas x GAR 13/1-29-1-1-1	LS
5726	Ketekijoha (Quality Check)			SS
5727	33917	JRC 11	Chinnor x MTU 7029	MS
5728	33918	KR 23080	Dwarf Mutant of Kalanamak	MS
5729	33919	BRR-2207	Rajendra Sweta * Sugandha	LS
5730	33920	HURS-25-10	HUBR 2-1/ CR Dhan 801	MS
5731	33921	ANR-MG8-4-21-E-25	GSR33/Gayatri/Khubuyya/IRLON50// CSR36/SPS26/IRBB60/IRLON25	SS
5732	33922	GKTK-BC21-16-80/NIL (BC2F5:6)	PB1*2/oryza glaberrima S.	LS
5733	33923	CR 4610-8-4-6-21-1-2-14-7-3	RPPBIO226/IMPS-5	LS
5734	33924	RNR 28407	PUSA-1121 X Basmati-370	SS
5735	33925	RP 6882-SRB9	Shobini x Muhulakuchi	LS
5736	33926	NVSR-1723	IET-26214XGAR-1	LS
5737	RNR 15435 (Check)			SS
5738	33927	BRR 0312	Katarni X Rajendra Sweta	SS
5739	33928	R 2729-10-1092-1	HMT Sona*3/Badshabhog Sel.1	LS
5740	33929	CR4588-12-1-7-3-2-6-21-7-2	IET27028/CR DHAN909	LS
5741	33930	RNR 44411	RNR 15435 X NLR 3513	SS
5742	33931	RP 6883-SRB31	Shobini x Neelabathi	LB

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5743	33932	NVSR-1727	IET-2417XNWGR-9081	MS
5744	33933	BRR 0313	Malbhog X BPT 5204	SB
B5745	33934	Gopal Bhog Mutant-4	Mutant of Gopal Bhog	LS
5746	33935	CR4587-17-9-24-7-8-6-15-13-1	IET27025/ IMPS-5	SS
5747	33936	RP 6884-SRB 34	S10493 x Kalanamak	LS
5748	Local Check			

Table No. 25.2: Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN			
		Uttar Pradesh			
		@ Kanpur		@ Nagina	
5702	32990*	3757	7	2934	
5703	28P67 (RP)	3505	10	3001	
5704	Dubraj Sel. 1 (Quality Check)	3700	8		
5709	32846	4555	3	3227	
5711	Shobini (National Check)	3320		3400	9
5712	SAVA 7501 pro (NIL)	2701		3511	7
5713	SAVA 7501 (RP)	4458	4	3528	6
5714	28P68 (NIL)	4737	2	3511	7
5715	28P68 (RP)	5231	1	2620	
5718	ZC	2525			
5719	33910	2728		3258	
5720	33911	2912			
5721	33912	2708		3537	5
5722	33913	1628			
5723	33914	3123		4224	1
5724	33915	1653			
5725	33916	3482		4193	2
5726	Ketekijoha (Quality Check)	1728		2535	
5727	33917	1832			
5728	33918	2967			
5729	33919	1988		2566	
5730	33920	2778		3870	3
5731	33921	1929		3706	4
5732	33922	1808		2496	
5733	33923	2000		3036	
5734	33924	4413	5	2371	
5735	33925	1846		2961	
5736	33926	1917			
5737	RNR 15435 (Check)	1892		3045	
5738	33927	1774			
5739	33928				
5740	33929	2245			
5741	33930	2021			
5742	33931	2144		2460	
5743	33932			2926	
5744	33933	1890			
5745	33934	1968			
5746	33935	2529		2926	
5747	33936	3609	9	3356	10
5748	LC	4127	6	2646	
Experimental Mean		2793		3148	
CD(0.05)		381		334	
CV(%)		8.39		6.47	
F val		56.13**		19.49**	
DOS		30-06-2025		29-06-2025	
DOP		06-08-2025		25-07-2025	
Local Check Name		PB-1		Type 3	

Table No. 25.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE III - EASTERN												West Bengal		ZONE III - EASTERN (7)	
		Bihar	Jharkhand Ranchi	Odisha		NRR1	Odisha (2)		Uttar Pradesh		Uttar Pradesh (2)	Mean					
		Bikranganj (Dhangain)		Chiplima				Masodha		Varanasi		Mean					
5702	32990*	7350	3*	3953	5310	3953	3930	3941	5434	2	7857	1*	6646	1*	4254	5441	3*
5703	28P67 (RP)	6047	9	4462	3333	4563	4563	4512	5430	3	7027	6*	6228	4*	5956	5*	5260
5704	Dubraj Sel. 1 (Quality Check)	3101		3953	4637	2860	2860	3406	4659	3	5100		4879		4900		5*
5705	31912	7959	1*	3889	3177	4465	4465	4177	5505	1	6079		5792	9	4251		10
5708	32845	6966	4*	5122	4943	4098	4098	4610	4397		5993		5195				6*
5709	32846	6357	7	5602	5150	9	4465	5033	4333	5	6964	7*	5649	10	3198		8*
5711	Shobini (National Check)	5249		4427	3743	4043	4043	4235	4934		5640		5287		4807		
5714	28P68 (NIL)	6704	5*	5208	3880	5208	5010	5109	5186	8	7231	5*	6208	5*			1*
5715	28P68 (RP)	7745	2*	4688	3263	5477	5477	5082	5319	5	7450	4*	6385	2*	4231		2*
5716	32980 (R)	5474		5515	4190	10	4946	4832	4378	8	5092		4962		5960	4*	9
5717	DIRR Dhan 53 (RP)	5519		4942	3980	4902	4902	4922	4610		5029		4820				
5718	ZC	4832		5515	3307	3462	3462	4488	4920		1010		2965		2938		
5719	33910	4836		4080	3640	4332	4332	4206	4309		5264		4786		2973		
5720	33911	4836		3125	3247	3909	3909	3517	4078		5335		4706		4178		
5721	33912	4777		4213	3190	4230	4230	4221	4836		6134		5485		5740	7*	
5722	33913	4943		4688	3557	2804	2804	3746	3980		3911		4162				
5723	33914	4072		2240	3247	3297	3297	2768	5053	10	5586		5319		6096	3*	
5724	33915			5255	4533	3414	3414	4334	3635		520		2077		5222		
5725	33916	4149		6036	3247	2	6036	4592	5009		4873		4941		2620		
5726	Ketekijoha (Quality Check)	5275		5081	3243	4902	4902	4992	7		5279		4843		4154		
5727	33917	3093		4821	3740	3234	3234	4027	4765		3353		4059				
5728	33918	3400		5729	4600	5	3222	4476	4756		2781		3769		5393	10	
5729	33919	4577		5689	4977	6	3404	4546	4477		5319		4898		6111	2*	
5730	33920	4692		4844	4753	8	3225	4035	4260		7544	3*	5902	8*			
5731	33921	6187	8	5689	3417	7	3272	4480	4211		5758		4984		4444		
5732	33922	3887		2564	4070	2714	2865	2714	4771		4373		4668		3871		
5733	33923	4887		4861	3350	3981	3981	4421	4965		5351		5158		3564		
5734	33924			4167	4567		3459	3813	5160	9			5160		5538	8*	
5735	33925	5928		5376	5423	1*	2788	4082	5262	6	6863	8*	6062	7*	5335		4*
5736	33926	3835		6753	4707	10	3704	5229	4459	1	3995		4227		2993		
5737	RNR 15435 (Check)	3865		5775	4620	4	2453	4114	4056		4238		4147		3353		
5738	33927	6002	10	4543	4563		3641	4092	4508		5476		4992		2991		
5739	33928	3595		4844	3740		3246	4045	4397		4614		4506		4322		
5740	33929	3267		4126	4050		3442	3784	3994		3948		3971		4644		
5741	33930	4599		4427	3520		3167	3797	4863		3971		4863		6120	1*	
5742	33931	4869		3628	3313		3210	3419	4508		7716	2*	6276	3*	5493	6*	
5743	33932	6489		4473	4653		2953	3713	4836		4647		5798		5231	9*	
5744	33933	1403		3472	4977	5	3380	3426	5031		4003		4517		4267		
5745	33934	3939		4734	3939		2567	3650	5230	7	5946		5588		4418		
5746	33935	3071		3692	3967		3374	3533	4836		6259	10	5548		2835		
5747	33936	3167		5862	5377	2*	4362	5112	5386	4	6839	9*	6112	6*	2935		
5748	LC	5733		5671	4723	9	4345	5008	4699	6	5640		5170		2389		
Experimental Mean		4917		4708	4082		3690	4199	4735		5327		5024		4404		4551
CD(0.05)		867		580	579		1021	567	771		718		561		532		307
CV(%)		10.85		7.59	8.73		17.04	8.32	10.03		8.29		6.87		7.42		4.15
F val		21.58**		20.75**	12.05**		3.92**	9.49**	2.55**		39.87**		20.73**		37.29**		23.24**
DOS		27-06-2025		25-07-2025	01-07-2025		24-06-2025	30-06-2025	01-07-2025		05-08-2025		05-08-2025		05-07-2025		
DOP		23-07-2025		16-09-2025	22-07-2025		13-08-2025	03-08-2025	05-08-2025		03-08-2025		29-07-2025				
Local Check Name		Rajendra Kasturi		Swarna	BVS-1		CR Dhan 910		NDR 6093		HUR-917		Kalonniua				

Table No. 25.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN							
		Bihar		Odisha		Uttar Pradesh		West Bengal	
		@Sabour		@Jeypore		@Gorakhpur		@Hathwara	
5702	32990*	4620	1	3923	4	2253		6807	1
5703	28P67 (RP)	4540	2	4556	3	2337		4101	5
5704	Dubraj Sel. 1 (Quality Check)	3487		2075		2451		3427	
5705	31912	3830	9	1880		2465		2514	
5708	32845	3317		2605		2323		2073	
5709	32846	3870	8	1972		2639	5	3521	
5711	Shobini (National Check)	3407		1976		2389		3364	
5714	28P68 (NIL)	4340	3	4558	2	2705	3	3286	
5715	28P68 (RP)	4297	4	4771	1	2462		3198	
5716	32980 (R)	4013	5	3810	5	1878		3191	
5717	DRR Dhan 53 (RP)	3693		3060		2410		2497	
5718	ZC	3683		2741		1924		2944	
5719	33910	2587		1874		1694		2262	
5720	33911	3823	10	2434		2128		2271	
5721	33912	3520		1934		1802		2203	
5722	33913	3887	7	1568		2403		2624	
5723	33914	2483		2205		2684	4	1945	
5724	33915	2893		1870		2389		1984	
5725	33916	2743		1976		2597	7	2349	
5726	Ketekijoha (Quality Check)	3740		2376		3017	1	4068	6
5727	33917	2240		2641		2062		2511	
5728	33918	1530		2276		1962		2683	
5729	33919	2863		2030		1701		3606	10
5730	33920	2547		3368	8	1844		3455	
5731	33921	3083		2179		2174		3053	
5732	33922	2887		3017		2108		2705	
5733	33923	2943		2483		2229		3677	9
5734	33924			2671		2045			
5735	33925	2833		2451		1681		4517	3
5736	33926	3093		3056		1983		3354	
5737	RNR 15435 (Check)	1337		2259		2340		2666	
5738	33927	3923	6	2402		2410		3296	
5739	33928	2033		1774		2476	9	2602	
5740	33929	3457		1891		2444		3919	7
5741	33930			3331	9	2490	8		
5742	33931	2870		2626		2476	10	3887	8
5743	33932	2777		2707		2201		2128	
5744	33933	3687		3107	10	2420		2372	
5745	33934	1983		3650	6	2799	2	3348	
5746	33935	3023		3476	7	2611	6	2994	
5747	33936	3290		2291		2469		5114	2
5748	LC	3207		2152		2370		4156	4
Experimental Mean		3210		2667		2292		3167	
CD(0.05)		442		945		669		886	
CV(%)		8.48		21.82		17.99		17.21	
F val		23.81**		5.69**		1.72*		9.12**	
DOS		24-06-2025		30-06-2025		22-06-2025		14-07-2025	
DOP		21-07-2025		02-08-2025				13-08-2025	
Local Check Name		R Kasturi		Kalajeera		Pusa CRD KN-2		Badshabhog	

Table No. 25.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN				ZONE IV - NORTH	
		Assam		Tripura		EASTERN (2)	
		Titabar		Arundhutinagar		Mean	
5704	Dubraj Sel. 1 (Quality Check)	4563	10	3368		3966	
5705	31912	5260	4	4263	5*	4762	3*
5709	32846	6132	2*	4842	1*	5487	1*
5710	32848	4873	7	3579		4226	7
5711	Shobini (National Check)	4142		3632		3887	
5718	ZC	3838		3105		3472	
5719	33910	2991		3526		3258	
5720	33911	4007		3668		3838	
5721	33912	3778		3737		3758	
5722	33913	3678		4395	2*	4036	10
5723	33914	4222		3263		3743	
5724	33915	3812		3500		3656	
5725	33916	4208		3105		3657	
5726	Ketekijoha (Quality Check)	4677	8	3263		3970	
5727	33917	3274		3453		3363	
5728	33918	3001		3395		3198	
5729	33919	2816		3658		3237	
5730	33920	3082		3684		3383	
5731	33921	4968	6	3921	9*	4444	6*
5732	33922	3775		4316	3*	4046	9
5733	33923	3535		3489		3512	
5734	33924	6398	1*	3658		5028	2*
5735	33925	5840	3*	3132		4486	5*
5736	33926	2968		3295		3131	
5737	RNR 15435 (Check)	2931		3395		3163	
5738	33927	4308		3105		3707	
5739	33928	2989		3211		3100	
5740	33929	3408		3368		3388	
5741	33930	4638	9	3316		3977	
5742	33931	3076		4000	7*	3538	
5743	33932	5260	4	4263	5*	4762	3*
5744	33933	3818		4000	7*	3909	
5745	33934	3602		4279	4*	3940	
5746	33935	4533		3821	10	4177	8
5747	33936	4065		3711		3888	
5748	LC	4403		3000		3702	
Experimental Mean		4080		3631		3855	
CD(0.05)		675		244		357	
CV(%)		10.16		4.13		5.68	
F val		15.01**		25.24**		19.18**	
DOS		03-07-2025		07-08-2025			
DOP		24-07-2025		26-08-2025			
Local Check Name		Bokuljoha		CR-311			

Table No. 25.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						Madhya Pradesh				Madhya Pradesh (2)		ZONE V - CENTRAL (5)	
		Chhattisgarh			Chhattisgarh (3)			Waraseoni		Jabalpur		Mean		Mean	
		Ambikhapur	Jagadalpur	Raipur		Mean		1*				2*		1*	
5702	32990*	7958	3850	7202	1*	6337	1	6877	1*	3945		5411	2*	5967	1*
5703	28P67 (RP)	7825	5	5033	7	5243		6120	3*	5142	1	5631	1*	5398	3
5704	Dubraj Sel. 1 (Quality Check)	7950	2	3600	6134	3	5895	4	2736	3457		3097		4775	
5709	32846	7325	4812	5787	5	5975	3	3148		3546		3347		4924	9
5711	Shobini (National Check)	7421	3833	4127		5127		3729		3502		3615		4522	
5714	28P68 (NIL)	7783	8	4300	5579	6	5887	5	5017	9	4920	3	4969	6*	5520
5715	28P68 (RP)	6967	4679	10	4911	8	5519	9	5269	6	4832	4	5050	5*	5331
5716	32980 (R)	7742	9	4696	9	6161	2	2769		4255		3512		5125	6
5717	DRR Dhan 53 (RP)	7175	3575	3601		4784		2462		4787	6	3625		4320	
5718	ZC	6167	3000	6211		4211		2163		4832	4	3497		3925	
5719	33910	7021	3183	3175		4460		3430		3413		3422		4044	
5720	33911	6542	4742	3	3257	4847		4634		2970		3802		4429	
5721	33912	7354	2025	3886		4422		3308		3768		3538		4068	
5722	33913	7408	4710	7	3462	5194		2904		3590		3247		4415	
5723	33914	7058	4504		3786	5116		2597		4433		3515		4476	
5724	33915	7854	3	6045	4	5834	6	4003		3502		3752		5002	8
5725	33916	6333	3829	3327		4496		1721		4521		3121		3946	
5726	Ketekijoha (Quality Check)	7825	5	3404	4015	5081		4891		3413		4152		4709	
5727	33917	6100	4508	3433		4680		4907		3103		4005		4410	
5728	33918	6221	4710	7	3466	4799		2723		3723		3223		4169	
5729	33919	7004	4333		3631	4989		4558		4211	10	4385		4748	
5730	33920	7088	4669		4878	5545	8	5227	8	4521		4874	8*	5276	5
5731	33921	6512	3292	3843		4549		5623	4	4743	7	5183	3*	4803	
5732	33922	6500	3986	3452		4646		3994		3723		3859		4331	
5733	33923	6204	2235	3433		3957		1869		3723		2796		3493	
5734	33924		3840			3840				4167		4167		4003	
5735	33925	7150	3100	4322		4857		5362	5	4344		4853	9*	4856	10
5736	33926	6538	4021	3356		4638		6423	2*	3901		5162	4*	4848	
5737	RNR 15435 (Check)	6004	3125	3988		4372		3363		3014		3188		3899	
5738	33927	6238	4656	3962		4952		4701		4477		4589	10	4807	
5739	33928	5688	3706	3429		4274		3481		2438		2959		3748	
5740	33929	5317	4725	3274		4438		2778		3856		3317		3990	
5741	33930		4481			4481		4104		5053	2	4578		4546	
5742	33931	7433	4629	3760		5274		3796		3901		3848		4704	
5743	33932	7838	4	3288		5026		4924	10	2660		3792		4532	
5744	33933	6483	2879	3175		4179		3666		1197		2431		3480	
5745	33934	6188	4738	4	3221	4715				3901		3901		4512	
5746	33935	6904	4719	6	4269	5297	10	2731		3812		3272		4487	
5747	33936	7800	7	3552		4701		5240	7	4610	8	4925	7*	4790	
5748	LC	7646	10	4812	1	5784	7	3354		4566	9	3960		5054	7
Experimental Mean		6962	3911	4164		4966		3963		3912		3939		4560	
CD(0.05)		1043	1405	824		928		843		859		639		525	
CV(%)		9.21	22.11	12.16		11.49		13.07		13.51		9.98		7.08	
F val		3.7**	2.44**	12.22**		3.51**		18.66**		6.77**		12**		8.65**	
DOS		03-07-2025	20-06-2025	20-06-2025				24-06-2025		19-06-2025					
DOP		08-08-2025	11-07-2025	11-07-2025				24-07-2025		12-07-2025					
Local Check Name		CG Devbhog	Vishnubhog	CG Devbhog				Imp.Chhinor		JR 206					

Table No. 25.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN								ZONE VI - WESTERN (3)	
		Gujarat				Gujarat (2)		Maharashtra		Mean	
		Navasari		Nawagam		Mean		Karjat		Mean	
5704	Dubraj Sel. 1 (Quality Check)	4542		3270		3906		5685	3	4499	8
5709	32846	4843	7	3229		4036		4109		4060	
5711	Shobini (National Check)	5118	3	4977	4	5047	2	4080		4725	4
5716	32980 (R)	4794	8	4794	6	4794	7	5819	2	5136	2
5717	DRR Dhan 53 (RP)	3941		4129		4035		5170	8	4414	10
5718	ZC	3797		4283		4040		4577		4219	
5719	33910	4431		4185		4308	10	4799	10	4472	9
5720	33911	3856		3327		3592		3064		3416	
5721	33912	4941	6	3557		4249		3192		3897	
5722	33913	3281		4240		3761		3219		3580	
5723	33914	4376		3432		3904		6060	1	4623	7
5724	33915	3686		3424		3555		4988	9	4033	
5725	33916	3971		4148		4059		3986		4035	
5726	Ketekijoha (Quality Check)	4712	9	3940		4326	9	4550		4401	
5727	33917	3686		3367		3527		3189		3414	
5728	33918	4062		3583		3822		2877		3507	
5729	33919	3742		4442	10	4092		3040		3741	
5730	33920	4376		3944		4160		4081		4134	
5731	33921	4618	10	5274	3	4946	4	4164		4685	6
5732	33922	4533		3549		4041		2836		3639	
5733	33923	5072	4	3748		4410	8	3861		4227	
5734	33924			3489		3489		4750		4120	
5735	33925	5389	1	4424		4906	5	3209		4340	
5736	33926	4092		3768		3930		3718		3859	
5737	RNR 15435 (Check)	3683		4835	5	4259		4007		4175	
5738	33927	3686		4727	8	4207		4784		4399	
5739	33928	3696		3623		3660		5443	6	4254	
5740	33929	3696		3866		3781		5590	4	4384	
5741	33930			3877		3877		5502	5	4689	5
5742	33931	3693		3481		3587		3635		3603	
5743	33932	4418		5543	1	4981	3	4764		4908	3
5744	33933	3637		4712	9	4175		2463		3604	
5745	33934	3722		3676		3699		3207		3535	
5746	33935	4212		3580		3896		3585		3792	
5747	33936	5036	5	4749	7	4893	6	3094		4293	
5748	LC	5252	2	5532	2	5392	1	5171	7	5318	1
Experimental Mean		4253		4076		4148		4174		4170	
CD(0.05)		623		448		398		831		367	
CV(%)		8.99		6.75		5.89		12.22		5.4	
F val		6.67**		16.9**		12.03**		11.24**		13.71**	
DOS		07-07-2025		27-06-2025				21-06-2025			
DOP		28-07-2025		05-08-2025				16-07-2025			
Local Check Name		GR-20		GAR 14				Karjat 3			

Table No. 25.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						Tamil Nadu Adutrai	ZONE VII - SOUTHERN (S) Mean	
		Karnataka		Karnataka (2) Mean		Kerala Pattambi	Telangana Rajendranagar			
		Gangavathi	Mugad							
5701	31909*	4717	6627	3	5672	7	7238	4557	5340	
5704	Dubraj Sel. 1 (Quality Check)	3993	4988		4490		7066	4726	4842	
5706	32829	4589	6163	6	5376		4921	5190	5330	
5707	32843	4254	6952	2	5603		8605	5	5659	
5709	32846	6782	5020	1	5901	5	7043	6329	6249	8
5711	Shobhini (National Check)	5422	5650	9	5536	4394	7561	4304	5466	
5718	ZC	5172	6088	7	5630	10	8205	9	6534	5
5719	33910	5781	6218	5	6000	4	6511	6	6121	10
5720	33911	5589	5246		5418		7326	5992	6193	9
5721	33912	6416	5246	7	5831	6	9204	2	6675	2
5722	33913	4776	6071	8	5423		5756	6962	5933	
5723	33914	4705	5187		4946		8406	7	6555	3
5724	33915	5115	5044		5079		7535	6751	5573	
5725	33916	4487	4544		4515		8614	4	5725	
5726	Ketekijoha (Quality Check)	6647	4694	2	5671	8	8876	3	6285	7
5727	33917	4256	4663		4459		6125		5051	
5728	33918	3769	4659		4214		7666	5527	4962	
5729	33919	4358	4742		4550		7272	7257	5939	
5730	33920	6429	8325	1*	7377	1*	9457	1	7590	1*
5731	33921	6590	4730	3	5660	9	8032		6330	6
5732	33922	4557	4575		4566		5830	5696	4669	
5733	33923	4224	4389		4306		5814	6667	5442	
5734	33924		4349		4349				4349	
5735	33925		4639		4922		7185	6582	5654	
5736	33926	5205	4421	10	5082		7056	6287	5554	
5737	RNR 15435 (Check)	5743	4730	8	5307		8394	8	5427	
5738	33927	4371	5373		4872		7085	6371	5187	
5739	33928	4282	4480		4381		6323	5907	4852	
5740	33929	4083	4737		4410		5365	5738	4721	
5741	33930		6549	4	6549	2			6549	4
5742	33931	4602	5633	10	5118		6273	6667	5812	
5743	33932	6577	5560	5	6068	3	4618	5907	5832	
5744	33933	4596	5028		4812		7315	6329	5414	
5745	33934	4000	4329		4164		7435	6624	5404	
5746	33935	3865	4520		4192		8124	10	5824	
5747	33936	4121	4798		4459		6067	6540	5747	
5748	LC	6584	4238	4	5411		8511	6	5744	
Experimental Mean		5044	5222		5144		7223	6105	5690	
CD(0.05)		516	1881		1097		1501	1037	745	
CV(%)		6.28	22.14		13.11		12.75	10.42	8.05	
F val		26.9**	1.78*		3.53**		5.13**	4.04**	6.15**	
DOS		05-07-2025	04-08-2025				28-06-2025	01-09-2025		
DOP		04-08-2025	25-08-2025				24-07-2025	03-10-2025		
Local Check Name		Gangavathi Sona	Mugad Sughand				Shobhini	Kavuni		

Table No. 25.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – AGT, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE II - NORTHERN					
		Uttar Pradesh					
		@Kanpur			@Nagina		
		DFE	PH	PAN	DFE	PH	PAN
5702	32990*	61	58	172	107	114	237
5703	28P67 (RP)	57	82	195	112	104	257
5704	Dubraj Sel. 1 (Quality Check)	68	82	210			
5709	32846	64	82	170	114	102	221
5711	Shobini (National Check)	59	58	180	112	100	197
5712	SAVA 7501 pro (NIL)	56	46	140	89	101	234
5713	SAVA 7501 (RP)	60	58	195	96	101	234
5714	28P68 (NIL)	55	58	204	110	95	247
5715	28P68 (RP)	59	54	240	111	96	203
5718	ZC	65	50	120			
5719	33910	58	54	140	95	115	230
5720	33911	57	62	130			
5721	33912	55	51	120	93	106	231
5722	33913	68	32	80			
5723	33914	52	58	170	112	90	257
5724	33915	66	55	130			
5725	33916	60	68	110	111	101	224
5726	Ketekijoha (Quality Check)	56	51	140	95	90	220
5727	33917	66	54	130			
5728	33918	60	68	180			
5729	33919	52	60	161	112	97	228
5730	33920	60	59	135	90	97	230
5731	33921	63	69	129	95	105	227
5732	33922	66	50	178	89	103	209
5733	33923	74	62	144	114	96	196
5734	33924	66	66	153	94	113	206
5735	33925	56	62	170	90	111	234
5736	33926	73	42	140			
5737	RNR 15435 (Check)	64	52	170	107	112	231
5738	33927	64	58	160			
5739	33928						
5740	33929	66	59	130			
5741	33930	63	89	144			
5742	33931	55	61	206	112	84	220
5743	33932				105	96	205
5744	33933	66	64	170			
5745	33934	56	50	190			
5746	33935	50	68	210	112	100	208
5747	33936	58	59	215	107	109	201
5748	LC	62	88	229	108	123	207
Experimental Mean		60	60	162	103	102	222

Table No. 25.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE III - EASTERN																ZONE III - EASTERN (7)														
		Bihar				Jharkhand				Odisha				Uttar Pradesh (2)					West Bengal													
		Bikranganj (Dhangain)		Ranchi		Chiplima		NRRI		Mean		Masodha		Varanasi		Mean			Pundhari													
DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	Mean					
5702	32990*	96	129	438	93	118	263	86	71	252	115	122	275	100	97	264	101	97	277	103	112	187	102	105	232	83	95	183	97	106	268	
5703	28P67 (RP)	97	116	354	94	125	219	85	81	269	116	125	326	100	103	298	100	104	275	106	110	184	103	107	230	90	117	204	98	111	262	
5704	Dubraj Sel. 1 (Quality Check)	113	133	361	92	115	243	86	90	233	118	140	293	102	115	263	105	110	231	116	132	189	111	121	210	93	112	331	103	119	269	
5705	31912	108	115	415	93	94	182	88	84	258	122	115	323	105	100	290	110	95	269	105	100	196	108	98	233	103	104	275	104	101	274	
5708	32845	85	119	377	86	113	205	84	80	287	115	104	315	99	92	301	109	95	265	92	103	154	100	99	210				95	102	267	
5709	32846	103	117	465	102	115	223	88	83	290	118	101	330	103	92	310	102	94	232	102	99	185	102	97	208	75	80	211	98	99	276	
5711	Shobhini (National Check)	100	113	397	96	93	294	85	82	293	119	113	308	102	98	300	99	95	253	105	97	195	102	96	224	73	102	263	97	99	286	
5714	28P68 (NIL)	96	111	366	92	104	240	89	75	214	113	122	341	101	99	277	112	107	277	99	104	184	106	106	231				100	104	270	
5715	28P68 (RP)	97	114	334	93	106	204	84	69	173	114	113	330	99	91	252	107	106	269	100	107	187	103	106	228	95	108	212	99	103	244	
5716	32980 (R)	108	110	354	94	108	302	84	82	274	125	115	330	104	99	302	106	92	260	103	96	186	105	94	223	93	109	218	102	102	275	
5717	DRR Dhan 53 (RP)	108	98	387	101	102	242	81	85	183	123	103	323	102	93	253	102	77	252	106	85	222	104	81	237				104	91	268	
5718	ZC	123	110	351	109	111	194	91	86	254	121	98	282	106	92	268	108	104	246	137	97	204	122	100	225	65	102	274	108	101	258	
5719	33910	90	128	331	88	112	164	79	83	208	108	107	308	94	95	258	116	106	256	99	111	167	108	108	212	89	91	197	96	105	233	
5720	33911	113	114	390	87	95	195	90	82	322	114	110	304	102	96	313	109	88	230	116	102	220	113	95	225	83	116	253	102	101	273	
5721	33912	85	112	331	87	100	268	90	91	234	108	126	330	99	108	282	107	104	259	99	103	228	103	103	243	87	117	232	95	108	269	
5722	33913	103	121	327	92	100	191	83	95	222	115	120	297	99	108	260	107	105	246	106	110	259	106	107	253	92	105	196	100	108	248	
5723	33914	92	112	337	96	99	206	79	80	240	114	99	308	96	89	274	105	83	258	103	92	189	104	87	224	96	108	274	98	96	259	
5724	33915				98	99	217	89	79	298	116	117	330	102	98	314	120	94	207	135	104	178	128	99	192	109	117	198	111	102	238	
5725	33916	97	125	346	94	114	174	91	71	253	117	115	297	104	93	275	113	115	234	99	101	167	106	108	201	97	212	101	107	241		
5726	Katekijoba (Quality Check)	95	111	325	86	99	235	93	71	298	116	110	330	104	90	314	107	94	236	100	95	223	104	94	239				99	97	278	
5727	33917	103	130	357	102	101	176	90	82	260	102	135	312	96	109	286	109	107	225	123	99	217	116	103	221				105	109	258	
5728	33918	103	112	381	96	93	206	87	70	306	103	108	301	95	89	303	102	105	238	106	96	193	104	100	215	82	114	214	97	100	263	
5729	33919	102	108	366	96	112	203	86	78	309	112	105	326	99	92	318	118	94	250	106	101	163	112	98	207	74	111	211	99	101	261	
5730	33920	84	110	352	95	138	229	95	80	216	105	108	341	100	94	278	111	83	248	92	101	219	102	92	234				97	103	268	
5731	33921	87	122	335	84	131	228	90	82	294	112	119	297	101	101	296	107	106	236	93	108	203	100	107	220	96	90	240	96	108	262	
5732	33922	88	102	320	90	91	279	82	85	245	105	133	286	94	109	265	106	105	264	94	96	186	100	100	225	94	111	153	94	103	247	
5733	33923	103	107	327	95	101	286	84	86	215	106	130	323	95	108	269	109	87	246	103	94	185	106	90	216	107	106	173	101	102	251	
5734	33924				91	107	222	90	86	214	100	121	326	95	104	270	108	114	245													
5735	33925	95	111	336	94	123	245	86	79	306	106	104	308	96	91	307	109	106	264	99	105	180	104	106	222	111	115	238	100	106	268	
5736	33926	114	127	346	101	96	201	90	82	243	126	149	279	108	116	261	113	125	198	129	135	186	121	130	192	77	130	217	107	121	238	
5737	RNR 15435 (Check)	95	139	350	89	112	216	89	84	233	107	130	264	98	107	248	109	117	212	99	122	162	104	119	187	99	125	206	98	118	235	
5738	33927	105	96	364	104	105	245	87	82	250	119	99	286	103	91	268	111	98	261	112	92	211	112	95	236	63	105	800	100	97	345	
5739	33928	95	115	326	97	104	218	83	90	244	103	122	330	93	106	287	109	109	214	101	99	205	105	104	210	71	117	224	94	108	252	
5740	33929	108	100	288	94	120	220	85	71	261	124	110	293	104	91	277	112	96	224	128	98	158	120	97	191	88	115	208	106	101	236	
5741	33930	105	116	314	86	119	220	83	65	264	99	132	334	91	98	299	109	86	245													
5742	33931	94	107	344	90	144	241	85	78	233	121	107	319	103	92	276	112	80	264	100	85	190	106	83	227	73	119	185	97	103	254	
5743	33932	94	125	378	91	124	179	93	86	356	100	107	290	96	96	332	109	103	264	98	108	172	104	105	218	94	106	222	97	108	266	
5744	33933	119	97	318	96	107	230	83	98	229	122	108	337	102	103	283	112	94	241	134	97	226	123	96	233	94	96	290	109	100	267	
5745	33934	99	121	352	101	108	197	83	79	233	110	129	297	96	104	265	108	96	278	99	99	240	104	98	259	91	110	267	99	106	266	
5746	33935	108	119	291	95	98	165	85	71	215	117	123	312	101	97	263	104	94	262	101	118	206	102	106	234	106	115	206	102	106	237	
5747	33936	95	125	318	95	129	245	96	78	204	112	113	319	104	96	261	104	103	270	101	108	204	102	106	237	107	111	276	102	110	262	
5748	LC	105	118	314	93	113	231	90	76	302	125	124	363	108	100	332	100	101	271	112	88	183	106	95	227	110						

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Table No. 25.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 & IVT – AGT, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN											
		Bihar			Odisha			Uttar Pradesh			West Bengal		
		@Sabour			@Jeypore			@Gorakhpur			@Hathwara		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5702	32990*	111	117	234	118	93	286	91	99	347	91	123	266
5703	28P67 (RP)	111	117	250	113	91	231	91	106	390	97	115	254
5704	Dubraj Sel. 1 (Quality Check)	120	141	231	107	98	270	90	122	416	100	139	226
5705	31912	119	113	265	103	90	344	91	112	411	98	111	211
5708	32845	100	115	194	116	82	215	74	110	380	87	121	207
5709	32846	114	113	270	114	93	239	93	119	378	100	100	205
5711	Shobini (National Check)	108	103	257	113	91	212	91	101	393	96	113	186
5714	28P68 (NIL)	102	109	229	114	92	232	89	105	398	91	112	239
5715	28P68 (RP)	106	107	232	114	94	232	89	108	416	91	110	266
5716	32980 (R)	119	100	317	107	93	312	94	101	424	98	96	202
5717	DRR Dhan 53 (RP)	120	89	216	110	78	208	100	88	443	99	83	167
5718	ZC	128	103	233	105	79	210	131	105	407	102	94	203
5719	33910	100	130	192	112	102	244	74	109	413	87	118	193
5720	33911	120	106	307	99	80	252	122	104	402	98	108	172
5721	33912	100	106	299	112	88	246	74	103	424	86	108	220
5722	33913	120	115	241	113	97	377	93	94	401	105	101	173
5723	33914	106	100	270	108	96	387	99	93	411	96	101	225
5724	33915	127	122	223	113	93	223	129	106	387	104	105	224
5725	33916	105	109	247	97	93	219	90	111	378	98	109	217
5726	Ketekijoha (Quality Check)	98	94	251	101	95	271	118	100	389	87	104	237
5727	33917	110	107	243	104	96	227	111	104	371	100	100	276
5728	33918	112	95	142	102	63	209	110	94	379	87	107	253
5729	33919	112	100	246	110	69	223	101	94	403	99	102	281
5730	33920	100	103	210	104	83	199	78	105	383	87	107	276
5731	33921	102	106	249	113	81	209	74	106	378	88	108	267
5732	33922	101	104	249	113	77	319	76	103	425	87	103	188
5733	33923	117	96	250	107	89	191	95	107	412	98	120	227
5734	33924				112	91	218	91	109	427			
5735	33925	100	118	230	103	93	201	91	108	413	98	104	242
5736	33926	116	126	239	106	107	200	93	123	387	106	106	271
5737	RNR 15435 (Check)	106	126	154	113	96	230	90	123	380	88	121	247
5738	33927	111	89	305	113	75	239	113	83	413	99	87	234
5739	33928	106	105	225	107	84	284	93	92	387	91	100	191
5740	33929	120	95	214	113	83	204	94	86	380	99	99	271
5741	33930				114	91	317	91	110	401			
5742	33931	114	79	299	110	76	291	91	86	411	91	89	225
5743	33932	128	113	210	113	81	227	90	105	387	87	114	202
5744	33933	121	103	210	112	87	262	131	96	378	104	93	204
5745	33934	109	85	235	114	75	266	113	94	389	90	98	215
5746	33935	113	113	258	114	94	260	101	119	371	100	109	259
5747	33936	109	121	232	113	93	246	91	100	379	100	113	266
5748	LC	117	107	193	113	108	176	118	97	403	108	122	204
Experimental Mean		111	107	238	109	88	247	96	103	396	95	106	227

Table No. 25.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN						ZONE IV - NORTH EASTERN (2)		
		Assam			Tripura					
		Titabar			Arundhutinagar			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5704	Dubraj Sel. 1 (Quality Check)	108	161	292	77	98	450	93	129	371
5705	31912	106	137	327	78	76	522	92	107	425
5709	32846	104	128	299	82	96	594	93	112	446
5710	32848	120	128	284	81	88	540	100	108	412
5711	Shobini (National Check)	103	120	286	80	98	504	91	109	395
5718	ZC	116	110	268	77	108	396	96	109	332
5719	33910	91	132	297	77	92	450	84	112	374
5720	33911	99	116	271	85	87	486	92	102	379
5721	33912	91	114	326	84	60	522	88	87	424
5722	33913	101	135	355	76	112	630	89	124	492
5723	33914	98	119	282	77	102	396	88	111	339
5724	33915	117	130	322	81	85	468	99	107	395
5725	33916	99	134	303	80	95	396	90	114	350
5726	Ketekijoha (Quality Check)	95	112	335	77	90	450	86	101	392
5727	33917	98	143	301	77	84	414	88	113	358
5728	33918	100	120	305	84	89	414	92	104	360
5729	33919	100	110	273	76	81	450	88	96	362
5730	33920	90	104	267	77	90	450	84	97	359
5731	33921	92	122	289	81	105	522	86	114	405
5732	33922	91	102	305	80	96	594	86	99	450
5733	33923	101	114	281	78	106	540	89	110	410
5734	33924	92	122	288	78	102	504	85	112	396
5735	33925	96	122	282	77	104	396	86	113	339
5736	33926	98	151	288	84	100	450	91	125	369
5737	RNR 15435 (Check)	99	138	262	76	92	450	87	115	356
5738	33927	103	102	288	77	96	414	90	99	351
5739	33928	98	115	271	76	92	414	87	103	342
5740	33929	98	112	271	77	96	450	88	104	361
5741	33930	105	121	273	81	92	450	93	107	362
5742	33931	96	95	305	81	86	522	88	91	414
5743	33932	30	118	311	75	105	594	52	111	453
5744	33933	110	111	297	77	107	522	94	109	410
5745	33934	95	119	311	77	88	594	86	103	452
5746	33935	101	126	265	81	88	540	91	107	403
5747	33936	97	128	299	76	82	504	86	105	402
5748	LC	97	159	310	76	109	396	86	134	353
Experimental Mean		98	123	294	78	93	483	88	108	389
Standard Error		0.68			0.6			0.44		

Table No. 25.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL																		ZONE V - CENTRAL (5)					
		Chhattisgarh						Chhattisgarh (3)						Madhya Pradesh						Madhya Pradesh (2)					
		Ambikhapur			Jagadalpur			Raipur			Waraseoni			Jabalpur			Mean			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5702	32990*	104	106	163	95	84	230	98	135	223	99	108	205	110	96	201	106	113	239	102	110	219			
5703	28P67 (RP)	104	101	169	95	78	222	99	136	229	99	105	207	114	96	213	108	108	245	103	106	222			
5704	Dubraj SeI. 1 (Quality Check)	106	114	164	113	99	250	109	155	203	109	123	206	118	161	246	127	119	225	122	140	236	114	130	218
5709	32846	109	96	155	101	80	233	105	118	214	105	98	201	106	110	217	107	78	196	106	105	96	203		
5711	Shobini (National Check)	106	92	171	97	72	207	106	117	218	103	94	199	105	110	228	105	75	187	105	93	208	104	93	202
5714	28P68 (NIL)	101	97	161	94	72	205	97	117	222	97	95	198	102	115	215	115	85	179	109	100	197	102	97	197
5715	28P68 (RP)	105	94	154	95	78	249	98	128	210	99	100	204	102	114	215	112	82	161	107	98	188	102	99	198
5716	32980 (R)	106	93	151	101	75	253	109	119	227	105	96	210	109	125	217	115	74	231	112	100	224	108	97	216
5717	DIRR Dhan 53 (RP)	106	83	151	102	61	211	108	105	233	105	83	198	113	86	230	116	63	286	114	74	258	109	80	222
5718	ZC	105	141	166	106	120	267	123	186	213	111	149	215	116	169	280	112	136	230	114	152	255	112	150	231
5719	33910	102	107	157	94	85	250	92	117	216	96	103	208	91	122	283	105	89	185	98	105	234	97	104	218
5720	33911	108	94	172	107	83	242	120	106	233	112	94	216	112	114	382	107	82	238	110	98	310	111	96	254
5721	33912	100	99	170	95	64	211	90	116	196	95	93	192	93	100	236	99	78	207	96	89	222	95	91	204
5722	33913	109	99	182	98	80	232	107	125	209	104	101	208	101	114	291	106	89	279	104	102	285	104	102	239
5723	33914	107	82	157	96	64	214	101	116	204	101	87	192	104	85	219	108	73	188	106	79	204	103	84	196
5724	33915	108	101	153	103	88	234	108	124	242	106	104	210	123	115	271	128	94	278	126	105	274	114	105	236
5725	33916	107	98	156	95	81	230	100	124	189	101	101	192	105	124	226	106	78	246	105	101	236	103	101	209
5726	Ketekijoha (Quality Check)	102	92	181	105	61	173	92	117	227	100	90	194	91	104	282	99	79	222	95	91	252	98	90	217
5727	33917	105	106	166	81	84	249	109	134	227	98	108	214	106	122	299	115	92	260	110	107	280	103	108	240
5728	33918	96	91	171	102	76	275	105	108	195	101	92	214	105	101	271	105	81	217	105	91	244	103	91	226
5729	33919	110	91	161	97	72	219	103	117	194	103	93	191	106	113	266	107	79	208	107	96	237	105	94	210
5730	33920	101	92	145	95	73	264	94	106	204	97	90	204	91	107	224	101	80	188	96	93	206	96	92	205
5731	33921	99	91	148	95	78	231	90	126	227	95	98	202	92	109	309	99	88	219	95	99	264	95	98	227
5732	33922	99	85	151	94	71	254	91	105	182	95	87	195	91	115	223	99	76	200	95	95	211	95	90	202
5733	33923	108	87	157	95	73	238	103	122	194	102	94	196	101	122	241	101	78	266	101	100	254	102	97	219
5734	33924				108	80	270				108	80	270				117	87	163	117	87	163	112	83	217
5735	33925	108	94	153	99	84	257	99	134	212	102	104	207	104	121	328	114	86	188	109	104	258	105	104	228
5736	33926	110	123	170	108	105	325	107	155	214	108	127	236	112	160	233	112	124	183	112	142	208	110	133	225
5737	RNR 15435 (Check)	107	114	168	93	90	327	100	136	216	100	114	237	98	130	379	125	95	189	112	112	284	105	113	256
5738	33927	108	76	158	108	65	241	110	115	241	109	85	213	110	99	263	103	69	210	106	84	236	108	85	223
5739	33928	102	92	157	87	80	267	103	117	215	97	96	213	101	103	309	123	78	220	112	90	264	103	94	234
5740	33929	108	89	153	93	77	297	113	117	185	105	95	211	109	106	289	104	75	206	106	90	247	105	93	226
5741	33930				93	83	277				93	83	277	105	114	256	107	82	206	106	98	231	102	93	246
5742	33931	105	77	170	93	66	279	97	98	242	98	80	230	98	104	291	101	65	270	99	84	281	99	82	250
5743	33932	100	104	180	93	78	268	89	116	195	94	99	214	92	110	271	99	79	178	96	94	224	95	97	218
5744	33933	111	91	180	118	79	246	110	118	230	113	96	219	119	106	186	111	78	186	115	92	186	114	94	205
5745	33934	103	82	156	94	79	284	98	106	204	98	89	215				109	79	253	109	79	253	101	87	224
5746	33935	106	107	166	92	90	317	101	134	218	100	110	234	103	121	221	100	83	212	101	102	216	100	107	227
5747	33936	102	100	161	92	86	238	98	135	221	97	107	207	102	112	254	105	94	158	103	103	206	100	105	206
5748	LC	102	83	160	107	70	255	108	116	221	106	90	212	119	155	240	101	85	189	110	126	214	107	104	213
Experimental Mean		104	96	162	98	79	249	102	123	214	102	99	212	104	117	261	108	84	213	107	100	236	104	99	221
Standard Error		0.76			0			1.91			0.64			0.85			0.6			0.57			0.43		

Table No. 25.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (3)			
		Gujarat						Gujarat (2)						Maharashtra			
		Navasari			Nawagam			Mean			Karijat			Mean			
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	
5704	Dubraj Sel. 1 (Quality Check)	109	176	212	105	151	261	107	163	237	120	133	306	111	153	260	
5709		90	113	214	107	106	261	98	109	238	99	105	275	99	108	250	
5711	Shobini (National Check)	91	110	191	107	114	273	99	112	232	97	106	239	98	110	234	
5716		99	109	200	108	115	271	103	112	235	101	104	304	103	109	258	
5717	DRR Dhan 53 (RP)	98	96	169	107	96	267	102	96	218	100	95	284	102	96	240	
5718		ZC	98	116	160	88	118	267	93	117	214	97	115	275	94	116	234
5719	33910	79	119	183	94	126	264	86	122	224	84	117	257	86	121	235	
5720		33911	95	119	193	83	114	259	89	116	226	106	116	231	95	116	228
5721	33912	78	117	212	101	114	263	90	115	237	83	106	254	87	112	243	
5722		33913	111	120	182	102	122	259	106	121	220	99	121	225	104	121	222
5723	33914	91	98	202	101	106	262	96	102	232	96	104	249	96	103	238	
5724		33915	111	119	177	99	126	254	105	122	216	122	109	294	110	118	242
5725	33916	90	118	151	93	118	267	91	118	209	98	119	280	94	118	232	
5726		Ketekijoha (Quality Check)	83	102	191	100	111	265	92	106	228	89	96	244	91	103	233
5727	33917	97	116	212	104	116	252	100	116	232	98	121	272	100	118	245	
5728		33918	94	93	160	101	106	254	97	99	207	99	108	229	98	102	214
5729	33919	95	94	172	87	102	268	91	98	220	90	107	226	90	101	222	
5730		33920	85	113	192	92	103	266	88	108	229	88	104	260	88	107	239
5731	33921	81	109	170	87	113	274	84	111	222	85	121	284	84	114	243	
5732		33922	82	104	206	105	106	263	94	105	234	86	99	232	91	103	234
5733	33923	89	115	171	107	101	264	98	108	218	90	111	260	95	109	232	
5734		33924				101	100	262	101	100	262	96	89	274	98	95	268
5735	33925	82	143	171	103	112	269	92	128	220	94	107	245	93	121	228	
5736		33926	89	146	171	99	130	260	94	138	216	98	144	254	95	140	228
5737	RNR 15435 (Check)	85	143	151	106	127	271	96	135	211	93	132	292	95	134	238	
5738		33927	95	104	196	96	89	270	96	96	233	103	100	285	98	97	251
5739	33928	80	111	176	111	102	258	95	106	217	94	108	318	95	107	251	
5740		33929	94	112	165	99	94	255	96	103	210	102	120	310	98	109	243
5741	33930				99	111	265	99	111	265	97	88	344	98	99	305	
5742		33931	80	97	192	89	96	263	84	96	227	95	92	252	88	95	236
5743	33932	78	115	166	96	112	275	87	114	220	88	103	256	87	110	232	
5744		33933	110	113	181	103	206	266	106	159	224	115	108	207	109	142	218
5745	33934	100	117	193	96	106	259	98	112	226	99	108	222	98	111	225	
5746		33935	89	147	183	99	107	264	94	127	224	101	120	219	96	125	222
5747	33936	84	147	194	105	119	270	94	133	232	93	114	228	94	127	231	
5748		LC	89	113	217	108	100	275	98	107	246	92	90	283	96	101	258
Experimental Mean		91	117	184	99	113	264	96	115	227	96	109	263	96	113	239	
Standard Error		0.74			0.7			0.54			1.02			0.5			

Table No. 25.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 & IVT – AGT, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN																ZONE VII - SOUTHERN (5)			
		Karnataka				Karnataka (2)				Kerala				Tamil Nadu				Mean			
		Gangavati		Mugad		Mean		Pattambi		Rajendranagar		Adutrai		PH		PH		PH		PH	
		DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	PAN	DEF	PH	DEF	PH	PAN
5701	31909*	106	104	316	105	50	277	106	77	297	94	110	339	104	102	231	95	89	233	101	91
5704	Dubraj Sel. 1 (Quality Check)	107	132	292	99	59	201	103	96	246	98	134	359	104	109	231	97	96	254	101	106
5706	32829	104	104	319	103	52	324	104	78	322	96	116	447	110	98	307	110	88	284	105	92
5707	32843	118	141	351	104	74	318	111	107	334	110	98	264	116	108	201	95	95	297	108	103
5709	32846	110	107	286	111	60	300	110	83	293	100	118	378	107	99	238	104	98	308	106	96
5711	Shobini (National Check)	106	100	344	109	58	381	107	79	362	99	103	306	102	93	323	102	77	295	103	86
5718	ZC	110	94	316	103	65	330	106	80	323	97	94	343	104	90	271	102	88	305	103	86
5719	33910	102	111	288	101	66	351	102	88	319	94	111	288	98	98	248	102	112	308	100	100
5720	33911	112	104	304	110	48	286	111	76	295	99	105	370	107	98	350	99	77	284	105	86
5721	33912	98	104	293	96	52	335	97	78	314	97	104	411	94	99	314	98	90	264	97	90
5722	33913	108	116	292	102	82	340	105	99	316	106	111	398	104	101	330	117	105	294	107	103
5723	33914	109	87	266	100	48	355	104	68	310	97	99	350	104	91	244	100	79	352	102	81
5724	33915	114	108	293	104	49	311	109	78	302	102	110	310	116	101	241	98	96	315	107	93
5725	33916	104	108	266	99	53	320	102	80	293	98	106	337	101	100	231	99	90	304	100	91
5726	Ketekijoha (Quality Check)	102	98	280	94	59	276	98	78	278	98	90	460	98	90	307	98	61	312	98	79
5727	33917	106	116	343	101	52	329	104	84	336	97	112	376	102	101	356	100	70	257	101	90
5728	33918	96	85	254	85	70	235	90	77	244	87	90	396	96	96	261	101	70	233	93	82
5729	33919	108	94	288	105	57	236	107	76	262	104	112	273	112	98	228	102	96	318	106	91
5730	33920	102	100	386	109	66	329	106	83	357	91	95	304	96	96	218	98	87	346	99	89
5731	33921	98	118	340	93	55	336	95	86	338	91	97	312	98	102	251	102	95	358	96	94
5732	33922	102	94	304	103	62	358	103	78	331	90	95	264	97	92	277	98	89	325	98	86
5733	33923	107	88	270	105	74	221	106	81	245	99	114	279	104	103	244	100	97	217	103	95
5734	33924				94	50	386	94	50	386										94	50
5735	33925	104	106	282	100	78	335	102	92	308	98	131	220	99	99	251	100	106	263	100	104
5736	33926	116	142	294	110	67	215	113	105	254	105	129	288	107	122	218	108	116	204	109	115
5737	RNR 15435 (Check)	100	127	381	104	59	252	102	93	316	95	110	297	98	107	238	100	96	316	99	100
5738	33927	108	84	295	97	77	278	103	80	286	95	93	262	103	83	277	99	67	242	100	81
5739	33928	102	103	297	84	60	322	93	82	309	100	94	392	95	95	304	102	86	298	97	88
5740	33929	106	98	352	109	53	298	107	75	325	103	102	374	107	93	218	116	67	310	108	83
5741	33930				102	69	318	102	69	318										102	69
5742	33931	104	88	293	93	41	305	99	65	299	100	92	348	98	86	343	101	70	264	99	75
5743	33932	102	108	316	99	48	207	100	78	261	97	92	308	94	90	267	100	67	272	98	81
5744	33933	110	109	308	106	64	327	108	86	317	108	92	279	112	100	317	102	72	302	107	87
5745	33934	103	100	286	111	49	287	107	74	286	99	97	293	98	98	333	98	69	291	102	82
5746	33935	108	113	310	101	67	256	104	90	283	99	100	271	102	102	294	104	78	299	103	92
5747	33936	104	106	294	108	58	282	106	82	288	96	113	295	97	102	228	102	87	311	101	93
5748	LC	104	112	336	102	65	318	103	88	327	99	257	290	98	100	261	116	134	274	104	134
Experimental Mean		105	105	306	101	59	300	103	82	305	98	109	328	102	98	270	101	87	288	102	90
Standard Error		0.66			1.01			0.66			2.1			0.33			0.79			0.59	

Table No. 25.4: Grain quality characteristics of entries in AVT 2 & 1 & IVT – AGT, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	VER	WU	KLAC	ER	ASV	AC	GC	AROMA
1307	5701	31909	78.4	70.9	67.0	5.78	1.66	3.48	SS	A	4.5	140	9.5	1.64	4.0	23.61	22	MS
1308	5702	32990	77.9	62.7	44.7	6.62	2.23	2.96	LB	VOC	5.5	150	10.3	1.55	3.0	21.70	100	NS
1309	5703	28 P 67 (RP)	79.2	65.8	55.7	6.60	2.23	2.95	LB	VOC	4.1	130	9.6	1.45	3.0	24.58	73	NS
1310	5704	DUS RAJ SEL-1 (GC)	79.5	69.3	60.7	5.19	1.87	2.77	MS	A	4.8	100	8.0	1.54	4.0	25.87	26	SS
1311	5705	31912	76.4	65.7	28.7	5.81	1.75	2.32	SS	A	4.2	195	8.8	1.51	4.0	24.78	49	SS
1312	5706	32829	77.8	69.2	59.6	5.43	1.82	2.88	MS	A	4.8	165	10.5	1.93	3.0	20.44	22	SS
1313	5707	33843	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1314	5708	32845	77.6	68.2	50.3	5.38	1.91	2.81	MS	VOC	4.1	110	9.2	1.71	7.0	26.95	22	SS
1315	5709	32846	78.9	67.8	57.3	6.43	1.99	3.23	LS	A	4.0	100	9.3	1.44	4.0	28.51	53	MS
1316	5710	32848	79.6	70.3	63.5	5.19	1.90	2.73	MS	A	4.8	260	8.4	1.61	7.0	28.13	55	NS
1317	5711	SHOBNI (NC)	75.5	66.3	59.0	5.76	1.69	3.40	SS	A	5.0	115	8.1	1.40	4.0	27.60	22	SS
1318	5712	33994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1319	5713	SAVA 7501 (RP)	79.4	72.6	66.9	6.09	2.22	2.74	LB	VOC	5.5	145	9.0	1.47	4.0	24.05	43	NS
1320	5714	33995	83.5	69.3	48.4	6.80	2.19	3.10	LS	VOC	5.6	140	11.3	1.66	3.0	28.45	70	NS
1321	5715	28 P 68 (RP)	80.3	68.2	55.7	6.81	2.18	3.12	LS	OC	4.6	170	10.7	1.57	3.0	28.39	56	MS
1322	5716	32980 (R)	74.3	65.7	52.3	5.62	1.86	3.02	SS	VOC	4.8	145	9.4	1.67	3.0	28.60	38	NS
1323	5717	DRR DHAN-53 (RP)	74.5	65.1	55.4	4.99	1.87	2.66	MS	A	4.8	160	8.8	1.76	4.0	25.60	23	NS
1324	5718	SUGANDH SAMBA	78.0	66.8	61.7	4.10	2.06	1.99	SB	VOC	5.5	145	7.1	1.73	4.0	25.13	48	SS
1325	5719	33910	78.0	62.3	36.2	6.32	2.17	2.91	LB	A	4.0	200	10.8	1.70	4.0	25.40	73	MS
1326	5720	33911	74.1	63.9	54.1	5.07	1.48	3.42	SS	A	5.6	165	8.9	1.75	4.0	26.75	22	NS
1327	5721	33912	77.7	64.3	48.8	7.37	1.87	3.94	LS	VOC	4.8	305	11.7	1.58	7.0	28.36	22	MS
1328	5722	33913	78.9	69.2	56.4	5.55	1.66	3.34	SS	A	4.5	145	8.5	1.53	3.0	26.98	29	SS
1329	5723	33914	77.2	66.6	46.4	6.45	1.81	3.56	LS	VOC	4.6	260	9.9	1.53	5.0	19.62	88	SS
1330	5724	33915	78.5	63.9	48.3	4.97	1.89	3.62	MS	VOC	5.6	175	9.1	1.83	4.0	27.30	50	MS
1331	5725	33916	78.4	64.0	47.0	6.79	1.94	3.50	LS	VOC	4.5	275	11.7	1.72	7.0	28.33	50	MS
1332	5726	KATAKI-JOHA	78.1	68.6	57.6	6.22	2.03	3.06	LS	VOC	4.7	310	9.9	1.59	4.0	20.70	55	NS
1333	5727	33917	74.5	64.3	52.3	5.52	1.62	3.40	SS	VOC	5.2	145	9.5	1.72	3.0	24.72	50	SS
1334	5728	33918	76.3	67.2	54.6	5.43	2.00	2.71	MS	OC	4.7	155	9.5	1.74	4.0	20.53	56	SS
1335	5729	33919	79.9	69.4	58.7	5.03	1.81	2.77	MS	VOC	5.6	165	9.7	1.92	3.0	28.24	100	NS
1336	5730	33920	78.7	67.4	55.1	6.44	1.90	3.38	LS	VOC	5.2	160	10.7	1.66	3.0	26.34	100	SS
1337	5731	33921	76.7	66.2	59.1	5.38	2.02	2.66	MS	OC	4.2	110	8.3	1.54	4.0	27.86	100	MS
1338	5732	33922	74.8	56.7	25.5	5.83	1.76	3.31	SS	F	4.0	240	9.5	1.62	5.0	13.58	100	NS
1339	5733	33923	75.8	63.8	25.1	6.59	1.93	3.41	LS	VOC	4.4	130	10.8	1.63	4.0	25.22	54	SS
1340	5734	33924	77.8	68.7	62.4	7.07	1.79	3.94	LS	VOC	4.6	235	11.3	1.59	5.0	20.56	100	SS
1341	5735	33925	79.0	67.4	55.1	5.58	1.84	3.03	SS	VOC	5.5	145	9.7	1.73	3.0	26.25	55	SS
1342	5736	33926	76.8	66.3	60.8	6.62	1.94	3.41	LS	VOC	4.4	165	11.4	1.72	3.0	27.63	100	SS
1343	5737	RNR- 15435 (C)	76.7	65.8	55.2	7.49	1.54	4.86	LS	VOC	4.8	135	11.1	1.48	4.0	25.63	82	SS
1344	5738	33927	77.2	68.7	60.9	5.75	1.60	3.28	SS	A	4.2	155	8.1	1.54	3.0	22.85	40	MS
1345	5739	33928	76.7	66.0	53.7	5.50	1.77	3.10	SS	A	4.8	175	10.1	1.83	3.0	25.41	40	SS
1346	5740	33929	77.2	67.1	46.6	6.13	1.68	3.64	LS	VOC	4.1	175	9.7	1.58	3.0	24.75	22	SS
1347	5741	33930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1348	5742	33931	76.7	67.6	58.4	5.75	1.82	3.15	SS	A	5.5	115	9.1	1.58	3.0	25.66	47	SS
1349	5743	33932	78.6	61.8	23.5	6.54	2.37	2.75	LB	OC	5.5	185	11.3	1.74	4.0	28.45	100	NS
1350	5744	33933	71.7	62.5	36.9	5.10	2.02	2.52	MS	A	4.6	145	7.2	1.41	4.0	26.86	97	MS
1351	5745	33934	75.1	67.4	64.7	4.36	1.82	2.39	SB	VOC	5.3	150	7.1	1.62	3.0	23.40	48	MS
1352	5746	33935	77.1	66.5	44.8	7.57	1.71	4.42	LS	VOC	5.0	290	12.1	1.59	7.0	24.93	82	SS
1353	5747	33936	80.3	66.7	50.0	5.92	1.86	3.18	SS	VOC	4.2	135	10.5	1.77	3.0	26.89	61	MS
1354	5748	LC	78.8	66.8	59.6	6.01	1.75	3.43	LS	A	4.4	175	9.8	1.63	4.0	28.30	88	SS

HULL: Hulling(%) MILL:Milling(%) HRR:Head Rice Recovery KL:Kernal length (mm) KB:Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC:Kernal length after cooking WU:Water uptake ER:Elongation ratio AC:Amylose content (%) ASV:Alkali Spreading Value AC: Amylose Content GC: Gel consistency

ADVANCE VARIETAL TRIAL 2 & 1 – LOW PHOSPHORUS TOLERANCE (AVT 2 & 1 - LPT)

Locations: 8

Checks: Tolerant –Swarna, DRR Dhan 60 Rasi and

Vandana (Early check)

Sensitive – Improve Samba Mahsuri

Test Entries: 31

Table: 20

AVT 2&1 Low Phosphorus Tolerance trial was constituted with 31 test entries with four positive checks Viz., Swarna, DRR dhan 60, Rasi and Vandana (Early check). The trial was conducted at two levels of Phosphorus P 50 (50% of recommended Phosphorus) and P 100 (100% of recommended Phosphorus). In both the levels, Nitrogen and Potash are applied as per recommended doses. The trial was sent to 10 locations but the data was not received from two locations Vadagaon and Mandya. The data from remaining 8 locations viz., Bikramganj, PUSA, Ranchi, NRRI-Cuttack, Karjat, Maruteru, Gangavati and ICAR IIRR was considered for analysis under both 50% Phosphorus and 100% Phosphorus levels. Among 31 test entries, 15 entries viz., IETs 31102, 31107, 31108, 31966, 31968, 31969, 31973, 31975, 31976, 31979, 31980, 31982, 31985, 31986 and 29546 (NIL of Pusa 44) are in third year of testing; 16 entries viz., IETs 31972, 31981, 32852, 32853, 32854, 32855, 32856, 32858, 32859, 32860, 32861, 32862, 32863, 32865, 32867 and 32870 are in second year of testing. The entry qualifies for promotion/found promising if it is significantly superior (By considering CD value) over the best check at P 50% at zone level. The entries are compared with respective checks based on days to 50% flowering. The entries having flowering duration of 80 to 90 days are compared with Vandana, the entries with days to 50% flowering 90 to 100 days are compared with Rasi and the entries with more than 100 days to 50% flowering are compared with Swarna or DRR Dhan 60. Since both Vandana and Rasi flowered between 80 to 90 in all the zones, only two classifications are made. Less than 90 days duration entries are compared with either Rasi or Vandana and more than 90 days (medium duration) are compared with Swarna and DRR Dhan 60.

The information on different parameters under 50% phosphorus is provided in the table below.

Zones	III	VI	VII
Range : Zonal mean (Kg/ha)	3128 (Rasi) – 4654 (IET 32861)	3355 (Rasi) – 7153 (DRR Dhan 60)	2524 (Vandana) – 6345 (IET 31969)
Exp Mean (Kg/ha)	2798 (BKG) – 4744 (CTK)	5245 (KJT)	3431 (IIRR) – 6009 (GNG)
CV%	3.78 (PSA) – 10.65 (RCI)	10.12	9.28 (MTU) – 10.37 (IIRR)
DFF	80 (Vandana) – 109 (Improved Samba Mahsuri)	79 (Vandana) to 105 (IET 31981)	823 (Vandana) to 111 (IET 32853)
PH (cm)	84 (Pusa 44) – 115 (IET 32854)	93 (Improved Samba Mahsuri) - 128 (IET 31981, IET 32862)	89 (Rasi) – 129 (IET 32853)
Pan/m ²	210 (IET 31981) – 252 (IET 31969)	256 (IET 32859) – 355 (IET 31981)	272 (Vandana) – 129 (IET 32853)
DNI (Data not included)	Nil	Nil	Nil
Locations considered	4	1	3

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In AVT 2, only one entry IET 31969 recorded required significant yield superiority in zone VII and its three year's performance is presented in the table. In AVT 1, only one entry IET 32861 recorded required significant yield superiority in zone III.

Performance of the entries with required significant yield superiority over checks in AVT 2 & 1 LPT under 50% nitrogen during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha)			Grain quality (GT/HRR/AC/GC/ASV & Remarks
	III	VI	VII	
AVT2				
IET 31969 (RP 6256-RJ/RIL-RJ385) Rasi / Jaya	-	-	6345*	SB/64.6/24.55/43/4
AVT1				
IET 32861 (CR 4383-RGA-70) C 745-3-1-1-1-1-1 / Tapaswini	4654*	-	-	LB/65.4/28.13/28/4 Not promoted due to high Amylose and low GC
Vandana	3260	3603	2524	
Rasi	3128	3355	3579	
Swarna	4105	5051	4928	
DRR Dhan 60	4289	7153	4388	
Early check + CD	3568	4480	4049	
Medium duration check + CD	4597	8030	5398	

Three-year performance of the entries in third year of testing during Kharif 2023, 2024 & 2025 Zone II, III, VI, VII

Entry	Year	Z II	Z III	Z VI	Z VII	Grain quality (GT/HRR/AC/GC/ASV & Remarks
IET 31102 (R)	2025	-	-	-	5058*	LS/66.5/24.4/22/4 Promising for Z VII
	2024	5092	2323	5151	4775*	
	2023	-	2549	5745	4907*	
IET 31107	2025	-	-	-	4935	MS/66.6/22.9/48/4 Promising for Z VII
	2024	6825*	3874	7056	4523*	
	2023	-	3557	4650	4254* (P 0) 4686 (P 50)	
IET 31108 (R)	2025	-	-	-	5055	MS/63.7/22.49/23/4 Not promising
	2024	7204*	-	-	4674	
	2023	-	2519	3477	4714* (P 0) 4656 (P 50)	
IET 31966	2025	-	4314	-	5889	LB/62.5/27.28/44/5 Promising in Zone III
	2024	4622	3922*	8135	5577*	
	2023	-	4490*	4840	5159	
IET 31968	2025	-	3741	-	4636	MS/69.1/24.3/29/4 Promising for Z III
	2024	4929	3781*	5079	5091*	
	2023	-	4146*	4465	4916	
IET 31969	2025	-	4338	-	6345*	SB/64.6/24.55/43/4 Promising for Z III, Z VII
	2024	5616	3143*	8175	5559*	
	2023	-	4240*	4362	4815*	
IET 31973	2025	-	3611	-	-	MS/56.6/16.22/75/4

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	2024	5832	2897*	5532	4694	Not promising
	2023	-	3621	6008*	4992* (P0) 5254 (P50)	
IET 31975	2025	-	3975	-	-	SB/64.5/24.99/22/4 Not promising
	2024	6464	3264*	8310	3736	
	2023	-	4257	6049*	5009*	
IET 31976	2025	-	-	-	4811	MS/68.4/23.34/22/7 Promising for Z VII
	2024	4496	2554	6460	4864*	
	2023	-	4110*	5226	4845*	
IET 31979	2025	-	-	-	5000	SB/64.5/26.17/32/4 Not promising
	2024	6735*	2465	7722	4046*	
	2023	-	4312	5988*	4359	
IET 31980	2025	-	-	-	5573	SB/67.7/23.2/22/4 Promising for Z VII
	2024	3539	2806	6937	5549*	
	2023	-	5192*	5368	4988*	
IET 31982	2025	-	3901	-	-	SB/68.4/25.96/23/7 Promising for Z III
	2024	4135	3661*	5627	3897	
	2023	-	3309*	5062	4479	
IET 31985	2025	-	-	-	5110	MS/67.4/22.99/42/4 Not promising
	2024	5994	2991	5810	5508*	
	2023	-	4734*	5597	5164	
IET 31986	2025	-	-	-	4602	LS/64.9/26.04/22/7 Not promising
	2024	4406	2185	4492	5026*	
	2023	-	4012*	4733	5206	
IET 29546 (R)	2025	-	3936	4799	5562	LB/69.1/23.76/22/7 Promising for Z VII
	2024	6518	3488	6310	5387*	
	2023	-	2827	5718* (Compared with RP)	4934* (Compared with RP)	

SUMMARY

ADVANCE VARIETY TRIAL 2 & 1 Low Phosphorus Tolerance (AVT 2 & 1 - LPT)

Locations: 8

Test entries: 31

Checks: Tolerant –Swarna, DRR Dhan 60, Rasi and Vandana (Early check)

Sensitive – Improve Samba Mahsuri

List of the entries promoted from AVT 1 - LPT to AVT 2 - LPT: None

List of the entries performed superior in AVT 2 - LPT:

IET 31102 (R): Z VII

IET 31107: Z VII

IET 31968: Z III

IET 31969: Z III and Z VII

IET 31976: Z VII

IET 31980: Z VII

IET 31982: Z III

IET 29546 (R): Z VII

Table No. 20.1: Composition of entries in Advance Varietal Trial 2 & 1 – Low Phosphorous Tolerance Trial (AVT 2 & 1 – LPT), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zone	GT
5201	31102* (R)	RP 6690-MASC-12-46	WB 9 / BPT 5204	VII	LS
5202	31107*	CR 4397-4-6-27	Lalat MAS / CR Dhan 801 // 2* Lalat MAS	II,VII	LB
5203	31108* (R)	RP 6691-HWR 31	IR 69502-6-SRN-3-UBN-1-B / O. glaberrima (TOG 6216)	VII	MS+ LS
5204	31966*	HURS 23-15	NDR 97 / HUR 105	III,VII	LB
5205	31968*	CR 4466-126-WB-1	CR Dhan 202 x CR 4383-RGA-216	III,VII	LS+ MS
5206	Swarna (Positive)				
5207	31969*	RP 6256-RJ/RIL-RJ385	Rasi / Jaya	III,VII	MB
5208	31973*	RP 6772-MSA 16-439	Rasi / IR 64	III	LS
5209	31975*	CR 4432-3-2-2-1-1-1	CR 3562-2-1-1-1-1-1/CR 3494-15-1-1-1-1	III	MB
5210	31976*	CR 4467-RGA-100	CR Dhan 202 x Vandana	VII	MS
5211	31979*	CR 4414-1-1-1-1-2-1	CR 3561-3-2-1-1-1-1/CR 3494-1-1-1-1-1-1	II,VII	SB
5212	31980*	CR 4352- 3-1-1-2-1-1	CR3511-3-4-1-1-1-1/CR 3504-14-1-1-1-1-1	VII	MS
5213	Rasi (Positive)				
5214	31982*	RP6238-RV/RIL-RV190	Rasi / Vibhava	III	SB
5215	31985*	RP 6773-MSAC 4-5	IR 64 / Wazuhophek	VII	MS
5216	31986*	RP 6255-SP/RIL-SP38-1	Sampada / Prasanna	VII	LB
5217	29546* (R)	Pusa 5417-15-11-9-54-17	Pusa 44 / IR 64-Pup-1-F // Pusa 44 *2	II,III,IV, V,VI,VII	LS
5218	Vandana (Positive Very Early Duration)				
5219	Pusa 44 (RP)			II,III,IV, V,VI,VII	LS
5220	31972	RP5976-26-13-12-88	Improved Samba Mahsuri / Wazuhophek	II,III,IV, V,VI,VII	MS
5221	31981	RP5976-27-26-4-91	Improved Samba Mahsuri / Wazuhophek	II,III,IV, V,VI,VII	MB
5222	32852	HURS 24-6	RP Bio 226/IR 8484-2- 131-1-2-1-1-3	VI,VII	LS
5223	32853	RK/733-5	KMR3/NH733	II,VI,VII	SB
5224	32854	RCPL-1-456	IR 64/Megha SA 2	III,VII	LB
5225	Improved Samba Mahsuri (Sensitive)				
5226	32855	RCPL-1-458	IR 64/Shahsarang	III,VI	LB
5227	32856	CR3506-1-2-3-1-1-1	IR 36/Tapaswini	VI	LS
5228	32858	CR 6330 -1-1-2-3-1	CR 3504-24-2-1-1-1-1- 1/Tapaswini	II,III, VI,VII	LS
5229	32859	CR 4474-7-5-4-3-1	Kasalath x CR dhan 203	II,III, VI,VII	LS
5230	32860	CR 4396-3-16--1-2	CR Dhan-318 x CR Dhan 801	VI	LS
5231	32861	CR 4383-RGA-70	C745-3-1-1-1-1/ IET27218 // Annada	II,III, VI,VII	LB+ MB
5232	DRR Dhan 60 (Positive)				
5233	32862	CR 4469-RGA-120	CR 4384-RGA-20 x CR 4389-RGA-12	VI	LS+ LB
5234	32863	CR 6321-RGA-32	Naveen x CR Dhan 801	II,VII	LS+ LB
5235	32865	RP6252-VB/RIL-VB150	Varadhan/BPT5204	II,III, VI,VIII	SB
5236	32867	MSAC-F5-65-20	Gangavati sona x ISM	VI	MS
5237	32870	VPSY-22	Swarne/RIL(Ism/WPK)	VI	MS

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Table No. 20.2: Grain Yield (kg/ha) in AVT 2 & 1 – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE III- EASTERN										ZONE III- EASTERN (4)	
		Bihar				Bihar (2)		Jharkhand		Odisha			
		Bikramganj (Dhangain)		Pusa		Mean		Ranchi		NRRI		Mean	
5204	31966*	2824	8	3867	4*	3345	5	4867	3	5700	2	4314	3
5205	31968*	2670		3222		2946		4267		4803		3741	
5206	Swarna (Positive)			2522		2522		3800		5994	1	4105	6
5207	31969*	3557	2	3433	7	3495	4	4800	4	5560	3	4338	2
5208	31973*	2747	9	3011		2879		4000		4687		3611	
5209	31975*	2909	6	2933		2921		5000	2	5056	8	3975	7
5213	Rasi (Positive)	2126		3713	5*	2920		4000		2674		3128	
5214	31982*	3152	4	3211		3182	6	4600	6	4640		3901	9
5217	29546* (R)	2747	9	3402	8	3075	9	4333	9	5263	5	3936	8
5218	Vandana (Positive Very Early Duration)	2662		3378	10	3020	10	4267	10	2733		3260	
5219	Pusa 44 (RP)	2681		3244		2963		4000		5044	9	3742	
5220	31972	2157		3367		2762		3800		5161	6	3621	
5221	31981	2512		2989		2750		4000		4316		3454	
5224	32854	2184		4078	3*	3131	7	4267		3393		3480	
5225	Improved Samba Mahsuri (Sensitive)	2662		3489	6	3075	8	4000		5014		3791	10
5226	32855	2465		3389	9	2927		4267		4721		3710	
5228	32858	2407		3233		2820		3667		5083	7	3598	
5229	32859	2905	7	2944		2925		4467	7	4470		3697	
5231	32861	3530	3	4144	1*	3837	1	6067	1*	4874		4654	1*
5232	DRR Dhan 60 (Positive)	3939	1	3333		3636	2	4467	7	5417	4	4289	4
5235	32865	3133	5	4122	2*	3627	3	4733	5	5017	10	4251	5
Experimental Mean		2798		3382		3084		4365		4744		3838	
CD(0.05)		451		211		282		767		657		308	
CV(%)		9.76		3.78		5.55		10.65		8.4		4.86	
F val		9.17**		32.12**		11.28**		4.01**		14.11**		12.68**	
DOS				28-06-2025				03-07-2025		26-06-2025			
DOP				25-07-2025				29-07-2025		31-07-2025			
Local Check Name		Sabour Pratap											

Table No. 20.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE VI- WESTERN	
		Maharashtra	
		Karjat	
5206	Swarna (Positive)	5051	
5213	Rasi (Positive)	3355	
5217	29546* (R)	4799	
5218	Vandana (Positive Very Early Duration)	3603	
5219	Pusa 44 (RP)	5313	10
5220	31972	5642	7
5221	31981	4938	
5222	32852	4894	
5223	32853	6485	2
5225	Improved Samba Mahsuri (Sensitive)	6137	5
5226	32855	5611	8
5227	32856	6167	4
5228	32858	5645	6
5229	32859	4665	
5230	32860	4620	
5231	32861	4628	
5232	DRR Dhan 60 (Positive)	7153	1
5233	32862	6451	3
5235	32865	5512	9
5236	32867	4221	
5237	32870		
Experimental Mean		5245	
CD(0.05)		877	
CV(%)		10.12	
F val		9.91**	
DOS		25-06-2025	
DOP		22-07-2025	
Local Check Name			

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Table No. 20.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE VII- SOUTHERN						ZONE VII- SOUTHERN (3)	
		Andhra Pradesh		Karnataka		Telangana		Mean	
		Maruteru		Gangavati		IIRR			
5201	31102* (R)	4772		6207		4193	5	5058	10
5202	31107*	5271		6250		3284		4935	
5203	31108* (R)	5532		5385		4248	3	5055	
5204	31966*	5888	9	7532	4*	4246	4	5889	2
5205	31968*	5959	7	5128		2822		4636	
5206	Swarna (Positive)	5983	6			3872	8	4928	
5207	31969*	6861	3	7575	3*	4598	1*	6345	1*
5210	31976*	4653		7179	6	2602		4811	
5211	31979*	3989		7842	1*	3171		5000	
5212	31980*	6719	4	5662		4337	2	5573	5
5213	Rasi (Positive)	4677		3109		2950		3579	
5215	31985*	5199		6485		3646		5110	9
5216	31986*	4440		6058		3308		4602	
5217	29546* (R)	6149	5	6442		4096	7	5562	6
5218	Vandana (Positive Very Early Duration)	3917		1282		2373		2524	
5219	Pusa 44 (RP)	7028	2	6538	9	3228		5598	4
5220	31972	4155		5716		3468		4446	
5221	31981	5769	10	6004		3396		5057	
5222	32852	4867		5865		3440		4724	
5223	32853	3395		6538	9	2693		4209	
5224	32854	3751		4530		3710	10	3997	
5225	Improved Samba Mahsuri (Sensitive)	7123	1	4915		2293		4777	
5228	32858	5223		7415	5	3809	9	5482	7
5229	32859	3822		7607	2*	2819		4749	
5231	32861	5461		5481		2305		4415	
5232	DRR Dhan 60 (Positive)	4084		5524		3556		4388	
5234	32863	5057		7083	7	3438		5193	8
5235	32865	5912	8	6896	8	4177	6	5662	3
Experimental Mean		5202		6009		3431		4868	
CD(0.05)		790		985		583		470	
CV(%)		9.28		10.01		10.37		5.9	
F val		14.25**		16.94**		10.18**		20.42**	
DOS		06-07-2025							
DOP		07-08-2025							
Local Check Name									

Table No. 20.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN								ZONE III - EASTERN (4)	
		Bihar				Bihar (2)		Jharkhand		Odisha	
		Bikramganj (Dhangain)		Pusa		Mean		Ranchi		NTRI	
5204	31966*	4381	8	3944	4	4163	5	5978	2*	5980	2
5205	31968*	4149		3100		3625		4178		5853	4
5206	Swarna (Positive)			2547		2547		3889		5744	7
5207	31969*	5619	2	3433	9	4526	3	4456		6014	1
5208	31973*	4286	9	3040		3663		4378		4844	
5209	31975*	4473	7	2967		3720	10	6044	1*	5360	10
5213	Rasi (Positive)	3150		3744	5	3447		4178		3654	
5214	31982*	4896	4	3169		4032	6	4167		4439	
5217	29546* (R)	4176	10	3460	7	3818	7	5211	4	5300	
5218	Vandana (Positive Very Early Duration)	3827		3449	8	3638		4033		2827	
5219	Pusa 44 (RP)	4078		3231		3655		4800	7	5167	
5220	31972	3098		3409		3253		4656	8	4914	
5221	31981	3829		3038		3433		3967		5714	8
5224	32854	3183		4131	2*	3657		4589	9	4957	
5225	Improved Samba Mahsuri (Sensitive)	4095		3518	6	3807	8	5000	5	5820	5
5226	32855	3789		3424	10	3607		4589	9	5010	
5228	32858	3700		3264		3482		4033		5797	6
5229	32859	4552	6	2964		3758	9	4444		5400	9
5231	32861	5434	3	4233	1*	4834	1	4522		5330	
5232	DRR Dhan 60 (Positive)	6115	1	3373		4744	2	4933	6	5897	3
5235	32865	4823	5	4089	3*	4456	4	5844	3*	5237	
Experimental Mean		4283		3406		3803		4661		5203	
CD(0.05)		645		228		338		747		643	
CV(%)		9.11		4.06		5.39		9.71		7.49	
F val		12.7**		28.99**		19.61**		6.1**		12.34**	
DOS				28-06-2025				03-07-2025		26-06-2025	
DOP				25-07-2025				29-07-2025		31-07-2025	
Local Check Name		Sabour Pratap									

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Table No. 20.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE VI- WESTERN	
		Maharashtra	
		Karjat	
5206	Swarna (Positive)	6381	5
5213	Rasi (Positive)	4369	
5217	29546* (R)	6488	4
5218	Vandana (Positive Very Early Duration)	4461	
5219	Pusa 44 (RP)	6091	8
5220	31972	6559	1
5221	31981	5897	
5222	32852	5707	
5223	32853	5753	
5225	Improved Samba Mahsuri (Sensitive)	5465	
5226	32855	5770	
5227	32856	6497	2
5228	32858	5787	
5229	32859	5642	
5230	32860	6250	7
5231	32861	6008	9
5232	DRR Dhan 60 (Positive)	5912	10
5233	32862	6494	3
5235	32865	6261	6
5236	32867	5215	
5237	32870		
Experimental Mean		5850	
CD(0.05)		875	
CV(%)		9.04	
F val		4.06**	
DOS		25-06-2025	
DOP		22-07-2025	
Local Check Name			

Table No. 20.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (3)	
		Andhra Pradesh		Karnataka		Telangana		Mean	
		Maruteru		Gangavati		IIRR			
5201	31102* (R)	6505	5	7532	7	3671		5903	6
5202	31107*	5461		7457	8	4659	10	5859	8
5203	31108* (R)	5935	7	6571		3270		5259	
5204	31966*	4867		9840	1*	6072	2*	6926	1*
5205	31968*	5912	8	5502		4570		5328	
5206	Swarna (Positive)	5437				4151		4794	
5207	31969*	7146	1	7596	5	5742	3*	6828	2*
5210	31976*	3324		7596	5	4339		5086	
5211	31979*	3894		7831	4	3979		5235	
5212	31980*	6909	2	5908		5456	5*	6091	3
5213	Rasi (Positive)	3443		4209		3860		3837	
5215	31985*	5484		6271		3990		5249	
5216	31986*	4938		6624		4084		5215	
5217	29546* (R)	5912	8	6122		6094	1*	6043	5
5218	Vandana (Positive Very Early Duration)	5128		1421		2984		3178	
5219	Pusa 44 (RP)	6529	4	6806		4318		5884	7
5220	31972	4511		5256		4345		4704	
5221	31981	6102	6	5652		5495	4*	5749	9
5222	32852	4582		5545		4694	8	4940	
5223	32853	4653		5865		3594		4704	
5224	32854	2991		4658		4675	9	4108	
5225	Improved Samba Mahsuri (Sensitive)	6719	3	5075		3184		4993	
5228	32858	4796		7083	10	4859	7	5579	10
5229	32859	3514		7949	3	4408		5290	
5231	32861	4416		7009		4887	6	5437	
5232	DRR Dhan 60 (Positive)	4392		7062		4274		5243	
5234	32863	4843		7115	9	4477		5479	
5235	32865	5627	10	7991	2*	4617		6078	4
Experimental Mean		5142		6428		4455		5322	
CD(0.05)		935		926		730		441	
CV(%)		11.11		8.79		10.01		5.06	
F val		11.6**		23.3**		9.61**		26.65**	
DOS		06-07-2025							
DOP		07-08-2025							
Local Check Name									

Table No. 20.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN															ZONE III - EASTERN (4)		
		Bihar						Bihar (2)			Jharkhand			Odisha			Mean		
		Bikranganj (Dhangain)			Pusa			Mean			Ranchi			NRRI			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
5204	31966*	90	79	159	101	74	219	96	77	189	94	99	177	102	110	293	97	91	212
5205	31968*	84	109	201	99	83	230	91	96	216	95	109	157	104	120	286	95	105	219
5206	Swarna (Positive)				95	92	209	95	92	209	88	121	188	121	104	304	101	106	234
5207	31969*	83	106	245	96	100	228	90	103	236	99	110	234	96	116	299	94	108	252
5208	31973*	94	108	230	109	91	221	102	100	225	103	116	196	106	128	277	103	111	231
5209	31975*	97	104	220	109	84	230	103	94	225	106	104	207	107	120	282	105	103	234
5213	Rasi (Positive)	77	98	209	84	84	225	80	91	217	87	95	188	85	98	266	83	94	222
5214	31982*	83	91	234	97	82	220	90	86	227	98	93	255	93	100	288	93	92	249
5217	29546* (R)	94	90	244	104	81	227	99	85	236	103	95	215	107	103	277	102	92	241
5218	Vandana (Positive Very Early Duration)	74	115	230	80	98	218	77	106	224	84	104	183	81	120	218	80	109	212
5219	Pusa 44 (RP)	99	85	187	103	70	219	101	78	203	103	88	188	105	94	297	102	84	223
5220	31972	96	105	174	101	95	227	98	100	200	109	106	166	107	126	284	103	108	213
5221	31981	92	107	200	100	90	209	96	98	205	110	107	171	104	130	260	102	108	210
5224	32854	90	108	189	97	100	218	93	104	204	100	108	208	98	142	262	96	115	219
5225	Improved Samba Mahsuri (Sensitive)	99	87	226	111	74	219	105	81	222	109	96	132	117	103	273	109	90	212
5226	32855	90	126	233	95	92	229	93	109	231	95	112	221	96	123	271	94	113	238
5228	32858	99	111	209	105	98	230	102	105	220	97	108	200	109	131	269	102	112	227
5229	32859	108	100	206	95	78	231	102	89	219	85	110	190	95	116	293	96	101	230
5231	32861	98	104	200	98	91	228	98	98	214	96	104	186	108	112	288	100	103	226
5232	DRR Dhan 60 (Positive)	97	102	240	110	85	220	103	93	230	100	96	188	116	113	297	106	99	236
5235	32865	98	109	237	90	93	209	94	101	223	88	105	189	101	119	284	94	106	230
Experimental Mean		92	102	213	99	87	222	96	95	218	97	104	192	102	115	279	98	102	227
Standard Error		0			1.86			0.99			0.54			1.39			0.67		

Table No. 20.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		
		Maharashtra		
		Karjat		
		DFF	PH	PAN
5206	Swarna (Positive)	90	110	300
5213	Rasi (Positive)	82	106	277
5217	29546* (R)	94	113	309
5218	Vandana (Positive Very Early Duration)	79	107	302
5219	Pusa 44 (RP)	94	116	308
5220	31972	102	121	305
5221	31981	105	128	355
5222	32852	94	115	310
5223	32853	100	121	287
5225	Improved Samba Mahsuri (Sensitive)	101	93	319
5226	32855	97	117	324
5227	32856	100	108	326
5228	32858	98	119	309
5229	32859	93	110	256
5230	32860	102	104	311
5231	32861	100	108	323
5232	DRR Dhan 60 (Positive)	102	110	321
5233	32862	98	128	311
5235	32865	96	109	292
5236	32867	102	119	331
5237	32870			
Experimental Mean		96	113	308
Standard Error		0.97		

Table No. 20.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE VII- SOUTHERN									ZONE VII- SOUTHERN (3)		
		Andhra Pradesh			Karnataka			Telangana			Mean		
		Maruteru			Gangavati			IIRR					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
5201	31102* (R)	98	119	354	104	102	353	111	99	356	104	107	354
5202	31107*	98	126	352	102	98	310	107	96	293	102	107	318
5203	31108* (R)	86	132	328	101	105	286	103	101	301	97	113	305
5204	31966*	87	113	334	105	100	311	108	96	319	100	103	321
5205	31968*	104	130	290	106	104	315	110	101	246	106	112	284
5206	Swarna (Positive)	108	115	405				110	93	271	109	104	338
5207	31969*	85	120	334	102	103	328	103	93	293	97	105	318
5210	31976*	103	127	350	105	118	320	112	102	312	107	116	327
5211	31979*	104	138	308	102	114	305	108	102	297	105	118	303
5212	31980*	103	133	356	101	101	304	108	101	268	104	111	309
5213	Rasi (Positive)	83	86	317	91	96	283	90	86	275	88	89	291
5215	31985*	103	125	330	107	102	294	101	101	308	104	109	311
5216	31986*	88	143	347	94	115	341	106	98	312	96	118	333
5217	29546* (R)	88	116	354	106	98	359	99	88	301	98	101	338
5218	Vandana (Positive Very Early Duration)	85	126	282	80	103	271	81	85	264	82	105	272
5219	Pusa 44 (RP)	86	105	366	107	95	318	113	88	312	102	96	332
5220	31972	95	132	297	109	108	343	116	106	308	107	115	316
5221	31981	102	127	403	108	105	338	116	97	279	109	109	340
5222	32852	98	125	361	99	102	363	110	95	345	102	107	356
5223	32853	111	144	387	109	130	348	112	113	363	111	129	366
5224	32854	85	153	330	103	109	318	105	110	279	98	124	309
5225	Improved Samba Mahsuri (Sensitive)	105	117	314	107	85	302	109	87	301	107	96	306
5228	32858	104	130	310	104	106	344	118	100	286	109	112	313
5229	32859	88	117	306	96	104	352	108	91	297	97	104	318
5231	32861	87	127	308	109	103	310	117	94	337	104	108	318
5232	DRR Dhan 60 (Positive)	104	116	288	109	95	368	110	83	227	108	98	294
5234	32863	103	113	326	103	107	355	115	91	260	107	104	314
5235	32865	86	135	304	105	102	370	107	99	315	99	112	330
Experimental Mean		95	124	333	102	104	326	107	96	297	102	108	319
Standard Error		0.7			0.75			2.29			0.78		

Table No. 20.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN															ZONE III - EASTERN (4)		
		Bihar						Bihar (2)			Jharkhand			Odisha			Mean		
		Bikramganj (Dhangain)			Pusa			Mean			Ranchi			NRRI					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
5204	31966*	95	84	227	101	77	224	98	80	226	92	96	201	100	111	295	97	92	237
5205	31968*	89	114	287	93	85	238	91	100	262	93	106	162	103	121	288	95	107	244
5206	Swarna (Positive)				98	98	212	98	98	212	86	118	168	121	109	282	102	108	221
5207	31969*	88	112	350	96	100	230	92	106	290	97	107	234	96	118	319	94	110	283
5208	31973*	99	115	329	108	93	228	104	104	278	101	113	196	106	133	288	104	113	260
5209	31975*	102	111	314	97	85	237	100	98	276	104	101	218	107	122	284	102	105	263
5213	Rasi (Positive)	82	105	299	84	86	234	83	96	266	85	92	188	85	98	290	84	95	253
5214	31982*	88	97	334	97	85	224	92	91	279	96	90	255	92	98	279	93	93	273
5217	29546* (R)	99	96	349	104	104	237	102	100	293	101	92	229	107	103	284	103	99	275
5218	Vandana (Positive Very Early Duration)	79	121	328	80	101	225	80	111	277	82	101	183	81	122	237	80	111	243
5219	Pusa 44 (RP)	104	92	267	103	109	234	104	100	251	101	85	203	105	97	295	103	96	250
5220	31972	101	112	249	101	98	223	101	105	236	107	103	166	107	123	244	104	109	220
5221	31981	97	114	286	100	92	214	98	103	250	108	104	171	104	127	290	102	109	240
5224	32854	95	115	270	97	103	221	96	109	246	98	105	211	98	144	257	97	117	240
5225	Improved Samba Mahsuri (Sensitive)	104	94	323	111	77	220	108	85	272	107	93	202	117	106	275	110	92	255
5226	32855	95	132	332	95	92	224	95	112	278	93	109	221	96	128	282	95	116	265
5228	32858	104	118	299	105	100	243	104	109	271	95	105	200	108	131	277	103	113	255
5229	32859	113	107	294	88	80	240	100	94	267	83	107	190	93	109	284	94	101	252
5231	32861	103	111	286	98	95	234	101	103	260	94	101	201	109	107	330	101	103	263
5232	DRR Dhan 60 (Positive)	102	109	343	110	87	225	106	98	284	98	93	205	114	113	295	106	101	267
5235	32865	103	115	338	90	97	229	96	106	284	86	102	199	100	120	287	95	109	263
Experimental Mean		97	108	305	97	92	228	98	100	265	95	101	200	102	116	283	98	105	253
Standard Error		0			1.08			0.61			0.54			0.98			0.47		

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Table No. 20.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		
		Maharashtra		
		Karjat		
		DDF	PH	PAN
5206	Swarna (Positive)	88	95	292
5213	Rasi (Positive)	78	101	270
5217	29546* (R)	92	105	308
5218	Vandana (Positive Very Early Duration)	73	130	214
5219	Pusa 44 (RP)	91	94	333
5220	31972	101	117	335
5221	31981	102	120	328
5222	32852	88	107	316
5223	32853	99	127	310
5225	Improved Samba Mahsuri (Sensitive)	99	105	319
5226	32855	93	115	325
5227	32856	99	105	320
5228	32858	99	119	315
5229	32859	96	109	251
5230	32860	96	104	308
5231	32861	97	121	316
5232	DRR Dhan 60 (Positive)	100	105	320
5233	32862	97	121	309
5235	32865	92	112	309
5236	32867	100	122	342
5237	32870			
Experimental Mean		94	111	307
Standard Error		0.8		

Table No. 20.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (3)		
		Andhra Pradesh			Karnataka			Telangana			Mean		
		Maruteru			Gangavati			HRR					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5201	31102* (R)	96	132	339	100	105	340	101	106	363	99	114	347
5202	31107*	97	128	361	100	102	270	100	100	392	99	110	341
5203	31108* (R)	84	130	323	98	106	286	91	102	345	91	113	318
5204	31966*	85	116	352	107	104	318	106	100	334	99	107	335
5205	31968*	100	137	321	106	98	348	104	102	315	103	112	328
5206	Swarna (Positive)	107	124	396				108	97	378	108	110	387
5207	31969*	85	123	385	98	98	320	100	100	389	94	107	365
5210	31976*	102	120	323	103	107	318	101	106	319	102	111	320
5211	31979*	103	134	290	105	106	322	105	108	323	104	116	312
5212	31980*	104	123	269	101	99	312	105	106	381	103	109	321
5213	Rasi (Positive)	83	89	262	92	95	278	87	83	323	87	89	287
5215	31985*	102	120	332	106	100	304	104	103	407	104	108	348
5216	31986*	85	135	328	95	113	340	101	111	396	94	119	355
5217	29546* (R)	87	117	411	106	96	348	106	97	374	100	103	378
5218	Vandana (Positive Very Early Duration)	88	117	253	80	104	262	78	95	345	82	105	286
5219	Pusa 44 (RP)	87	109	251	105	96	303	108	92	378	100	99	310
5220	31972	99	122	317	107	106	310	108	105	319	105	111	315
5221	31981	97	134	266	110	104	376	108	117	385	105	118	342
5222	32852	101	122	343	101	92	348	103	109	389	102	108	360
5223	32853	111	142	363	107	123	324	108	113	334	109	126	340
5224	32854	85	136	348	102	116	299	102	116	374	96	123	340
5225	Improved Samba Mahsuri (Sensitive)	105	112	293	107	91	310	107	97	279	106	100	294
5228	32858	106	135	282	103	109	351	107	112	367	105	119	333
5229	32859	84	123	301	94	111	279	96	96	381	91	110	321
5231	32861	86	124	262	106	105	291	108	105	348	100	111	300
5232	DRR Dhan 60 (Positive)	103	113	332	107	89	327	108	95	304	106	99	321
5234	32863	103	126	394	101	109	335	100	107	334	101	114	354
5235	32865	85	125	293	102	104	339	100	102	370	96	110	334
Experimental Mean		95	123	321	101	103	316	102	102	355	100	110	332
Standard Error		0.91			0.86			0.73			0.49		

Table No. 20.4: Grain quality characteristics of entries in AVT 2 & 1 – LPT, Kharif 2025

Code	Entry No.	Designation / IET No.	Hull	Mill	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1979	5201	IET- 31102	79.8	72.3	69.8	6.77	2.21	3.06	LS	VOC	4.0	24.40	22
1980	5202	31107	78.6	72.1	69.8	5.67	2.14	2.64	MS	VOC	4.0	22.90	48
1981	5203	31108	78.9	71.1	63.7	5.10	1.63	3.12	MS	A	4.0	22.49	23
1982	5204	31966	77.4	69.9	62.5	6.60	2.48	2.66	LB	OC	5.0	27.28	44
1983	5205	31968	78.3	70.7	69.1	5.49	2.64	2.69	MS	VOC	4.0	26.34	29
1984	5206	SWARNA	78.8	70.9	69.6	5.21	2.25	2.31	SB	VOC	4.0	24.69	22
1985	5207	31969	78.2	70.4	69.1	5.17	2.16	2.39	SB	VOC	4.0	24.55	43
1986	5208	31973	77.9	68.9	56.6	5.50	2.05	2.68	MS	VOC	4.0	16.22	75
1987	5209	31975	81.8	74.1	69.3	5.73	2.64	2.17	SB	VOC	4.0	24.99	22
1988	5210	31976	79.1	70.8	68.4	5.69	2.25	2.52	MS	VOC	7.0	23.34	22
1989	5211	31979	80.0	73.2	71.7	5.39	2.61	2.06	SB	VOC	4.0	26.19	32
1990	5212	31980	79.2	70.9	67.7	5.24	2.20	2.38	SB	VOC	4.0	26.31	22
1991	5213	RASI	79.4	72.0	68.1	5.25	2.28	2.30	SB	VOC	7.0	25.69	30
1992	5214	31982	79.5	71.2	68.4	7.15	2.25	3.17	SB	VOC	7.0	25.96	23
1993	5215	31985	78.8	72.2	70.5	5.36	1.85	2.89	MS	VOC	4.0	22.99	42
1994	5216	31986	79.4	71.3	64.9	7.09	2.32	3.05	LS	VOC	7.0	26.04	22
1995	5217	29546	78.6	71.4	69.1	6.33	2.31	2.74	LB	VOC	7.0	23.76	22
1996	5218	VANDANA	77.5	70.6	59.6	5.78	2.19	2.63	MS	VOC	4.0	24.69	48
1997	5219	PUSA - 44	79.1	71.6	67.9	6.33	2.04	3.10	LS	VOC	7.0	23.11	22
1998	5220	31972	80.6	72.5	69.8	5.61	2.30	2.43	SB	OC	5.0	26.75	45
1999	5221	31981	81.5	72.1	67.8	7.09	2.39	2.96	LB	OC	7.0	25.52	48
2000	5222	32852	76.2	68.5	66.6	5.23	1.80	2.90	MS	A	4.0	22.02	41
2001	5223	32853	79.2	71.8	67.4	5.57	2.37	2.35	SB	OC	4.0	23.73	60
2002	5224	32854	81.2	73.0	70.5	7.15	2.36	3.02	LS	VOC	7.0	25.22	26
2003	5225	ISM	77.9	70.8	69.7	5.22	1.77	2.94	MS	A	4.0	24.17	22
2004	5226	32855	79.8	70.6	63.6	6.58	2.16	3.04	LS	VOC	4.0	25.52	40
2005	5227	32856	79.6	73.3	72.4	5.55	1.97	2.81	MS	VOC	4.0	24.75	22
2006	5228	32858	78.3	71.7	70.2	5.49	2.10	2.73	MS	VOC	4.0	24.40	22
2007	5229	32859	79.2	71.6	67.9	7.31	2.15	3.40	LS	VOC	4.0	25.49	68
2008	5230	32860	79.5	72.1	69.6	6.38	2.11	3.02	LS	VOC	4.0	26.57	24
2009	5231	32861	80.2	73.6	70.6	6.65	2.26	2.94	LB	VOC	4.0	28.13	28
2010	5232	DRR DHAN - 60	76.7	69.3	67.5	5.21	1.78	2.96	MS	A	4.0	22.11	22
2011	5233	32862	78.7	71.0	67.6	6.38	2.20	2.90	LS	VOC	4.0	26.69	45
2012	5234	32863	79.5	72.4	70.7	6.74	2.16	3.12	LS	VOC	4.0	24.02	35
2013	5235	32865	80.1	72.1	69.0	5.50	2.38	2.31	SB	VOC	4.0	25.08	64
2014	5236	32867	77.7	70.2	68.1	5.16	1.86	2.77	MS	VOC	3.0	21.79	28
2015	5237	32870	76.8	68.6	67.4	5.25	2.06	2.54	MS	A	3.0	13.34	93
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL - LOW PHOSPHORUS TOLERANCE (IVT - LPT)

Locations: 10

**Checks: Tolerant –Swarna, DRR Dhan 60, Rasi and
Vandana (Early check)
Sensitive – Improve Samba Mahsuri**

Test Entries: 15

Table: 21

IVT Low Phosphorus Tolerance trial was constituted with 15 test entries with four positive checks viz., Swarna, DRR dhan 60, Rasi and Vandana (Early check) and one sensitive check. The trial was conducted at two levels of Phosphorus P 50 (50% of recommended Phosphorus) and P 100 (100% of recommended Phosphorus). In both the levels, Nitrogen and Potash are applied as per recommended doses. The trial was sent to 10 locations but the data was not received from two locations Vadagaon and Mandya. The data from remaining 8 locations viz., Bikramganj, PUSA, Ranchi, NRRI-Cuttack, Karjat, Maruteru, Gangavati and ICAR IIRR was considered for analysis. The entry qualifies for promotion/found promising if it is significantly superior at zone level by considering CD value over the best check at P 50%. The entries are compared with respective checks based on days to 50% flowering. The entries having flowering duration of 80 to 90 days are compared with Vandana, the entries with days to 50% flowering 90 to 100 days are compared with Rasi and the entries with more than 100 days to 50% flowering are compared with Swarna or DRR Dhan 60. Since both Vandana and Rasi flowered between 80 to 90 in all the zones, only two classifications are made. Less than 90 days duration entries are compared with either Rasi or Vandana and more than 90 days (medium duration) are compared with Swarna and DRR Dhan 60.

The information on different parameters under 50% Phosphorus is provided in the table below.

Zones	III	VI	VII
Range : Zonal mean (Kg/ha)	2385 (Vandana) – 4241 (IET 33857)	3168 (IET 33851) – 5488 (IET 33856)	2589 (Vandana) – 5333 (IET 33852)
Exp Mean (Kg/ha)	2948 (BKG) – 4130 (RCI)	4589 (KJT)	3288 (IIRR) – 5231 (MTU)
CV%	5.26 (PSA) – 10.8 (BKG)	14.07 (KJT)	9.67 (GNG) – 12.38 (IIRR)
DFF	78 (Vandana) – 111 (Swarna)	78 (Rasi) – 108 (Swana)	84 (Vandana) – 113 (Swarna)
PH (cm)	88 (IET 33851) – 126 (IET 33854)	91 (IET 33847) – 139 (IET 33854)	84 (Rasi) – 139 (IET 33854)
Pan/m ²	214 (Rasi) – 259 (IET 33861)	249 (Vandana) – 344 (IET 33856)	226 (Vandana) – 332 (IET 33861)
DNI (Data not included)	-	-	-
Locations considered	4	1	3

Performance of the entries with required significant yield superiority over checks in IVT LPT under 50% phosphorus during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha)	Promoted in
	Zone III	
33857 CR 4474-2-2-6-1-1 Kasalath/ CR Dhan 203	4241*	Z III
33852 CR6355-RGA-37-7 CR Dhan 202/CR 8-802-6-1-1R//N22	4131*	Z III
33861 RP6167-db-A254 Swarna/ O.rufipogon	4078*	Z III
33850 MSA 16-14-7 Swarna X Dular	3998*	Z III
33856 CR 4479 -3-2-1-1-1-2 CR3516-11-2-2-1-1-2/NDR 359	3940*	Z III
Vandana	2385	
Rasi	2852	
Swarna	3563	
DRR Dhan 60	3661	
Early check + CD	3085	
Medium duration check + CD	3896	

SUMMARY

Initial Variety Trial Low Phosphorus Tolerance (IVT - LPT)

Locations: 10

Test entries: 15

Checks: Tolerant –Swarna, DRR Dhan 60, Rasi and Vandana (Early check)

Sensitive – Improve Samba Mahsuri

List of the entries promoted from IVT LPT to AVT 1 - LPT:

Zone III: IETs 33857, 33852, 33861, 33850 and 33856

Table No. 21.1: Composition of entries in Initial Varietal Trial – Low Phosphorous Tolerance Trial (IVT – LPT), Kharif 2025

Entry No.	IET No	Designation	Cross Combination	Grain type
5301	33847	RCPL 1-483	RCPL 1-3/Pusa44/N-60	LB
5302	33848	RCPL 1-485	IR-64/Shahsarang/RCPL 1-458	LB
5303	Vandana (Positive very early duration)			MB
5304	33849	RCPL 1-486	RCPL 1-468/IURON-8/19/Bhalum 1	LS
5305	33850	MSA 16-14-7	Swarna X Dular	SB
5306	Swarna (Positive)			MS
5307	33851	RP BIO-5477-NH4824	N22 EMS Mutant line	SB
5308	33852	CR6355-RGA-37-7	CR Dhan 202/CR 8-802-6-1-1R/N22	MB
5309	33853	CR 4469-RGA-126-27-1-8	CR 4384-RGA-20 x CR 4389-RGA-12	MS
5310	Rasi (Positive)			
5311	33854	CR6357-RGA-5	CR Dhan 202/Rajalaxmi	LS
5312	33855	CR 3783 -2-3-2-1-1-1-2	Surendra / Abhaya	MS
5313	33856	CR 4479 -3-2-1-1-1-1-2	CR3516-11-2-2-1-1-2/NDR 359	MS
5314	Improved Samba Mahsuri (Sensitive)			
5315	33857	CR 4474-2-2-6-1-1	Kasalath/ CR Dhan 203	MS
5316	33858	CR4326 -1-1-1-2-1	CR3543 - 61/ CR3553-151	LS
5317	33859	RP6869-VPSY50-23-12-4-3-2-1	RP 6533-NIL2305/RP5976-RIL-158	MS
5318	DRR Dhan 60 (Positive)			MS
5319	33860	RP6459-db-C2-Sel19	166S-Swarna /O. nivara // 14S-Swarna /O. nivara	LB
5320	33861	RP6167-db-A254	Swarna/ O.rufipogon	LB

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Table No. 21.2: Grain Yield (kg/ha) in IVT – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN										ZONE III - EASTERN (4)	
		Bihar				Bihar (2)		Jharkhand		Odisha		Mean	
		Bikramganj (Dhangain)		Pusa		Mean		Ranchi		NRRI			
5301	33847	2976		3502	7	3239	9	4478	8*	4246	9	3801	10
5302	33848	2897		3491	8	3194		3300		2113		2950	
5303	Vandana (Positive very early duration)	1508		3564	5	2536		2322		2146		2385	
5304	33849	3254	6	4284	1*	3769	2*	4278		3703		3880	7
5305	33850	2857		3489	9	3173		4956	5*	4690	4	3998	4*
5306	Swarna (Positive)	3611	2	3118		3364	5	3178		4347	6	3563	
5307	33851	2381		3064		2723		3178		2457		2770	
5308	33852	3929	1	3411		3670	3*	5500	1*	3683		4131	2*
5309	33853	3373	5	3082		3228	10	5011	4*	3933		3850	8
5310	Rasi (Positive)	1706		3971	3	2839		3011		2720		2852	
5311	33854	2857		3173		3015		4400	10*	3533		3491	
5312	33855	2817		3384		3101		4722	7*	4767	3	3923	6*
5313	33856	2698		3400		3049		5056	3*	4608	5	3940	5*
5314	Improved Samba Mahsuri (Sensitive)	2976		3180		3078		3667		4870	2	3673	
5315	33857	3413	4	4142	2	3777	1*	5278	2*	4130	10	4241	1*
5316	33858	3016	9	3487	10	3251	8	4733	6*	4033		3817	9
5317	33859	3175	7	3138		3156		3100		4307	7	3430	
5318	DRR Dhan 60 (Positive)	3016	9	3507	6	3261	7	3833		4290	8	3661	
5319	33860	3056	8	3573	4	3314	6	4156		4023		3702	
5320	33861	3452	3	3438		3445	4	4444	9*	4977	1	4078	3*
Experimental Mean		2948		3470		3209		4130		3879		3607	
CD(0.05)		526		302		302		464		535		235	
CV(%)		10.8		5.26		5.7		6.8		8.35		3.95	
F val		9.73**		10.07**		8.82**		29.9**		22.06**		36.85**	
DOS		05-07-2025		30/6/2025				02.07.2025		26.06.2025			
DOP		02-08-2025		28/7/2025				01.08.2025		31.07.2025			
Local Check Name													

Table No. 21.2 (Contd.): Grain Yield (kg/ha) in IVT – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (3)	
		Maharashtra		Andhra Pradesh		Karnataka		Telangana		Mean	
		Karjat		Maruteru		Gangavati		IIRR			
5301	33847	4645	8	7455	1*	5267	5	2044		4922	6
5302	33848	4147		4582		3964		3233	10	3926	
5303	Vandana (Positive very early duration)	4253		3134		2212		2422		2589	
5304	33849	4921	6	5366	9	6528	3	3267	7	5053	4
5305	33850	5056	5	5912	7	4541	9	4133	3*	4862	8
5306	Swarna (Positive)	4739	7	5271		6709	2	3000		4993	5
5307	33851	3168		3751		2788		2944		3161	
5308	33852	3687		5318	10	7179	1	3500	6	5333	1
5309	33853	5455	2	3585		5011	7	3144		3913	
5310	Rasi (Positive)	4096		4535		1282		2833		2883	
5311	33854	4631	10	5983	5	5481	4	3133		4866	7
5312	33855	4214		6102	4	5160	6	3922	5*	5061	3
5313	33856	5488	1	5010		3333		3033		3792	
5314	Improved Samba Mahsuri (Sensitive)	4637	9	6244	3	4327	10	2811		4461	9
5315	33857	4562		6553	2	4295		4411	1*	5086	2
5316	33858	5454	3	5912	7	3953		3178		4347	10
5317	33859	4574		5152		2853		3989	4*	3998	
5318	DRR Dhan 60 (Positive)	5083	4	5983	5	3654		3244	9	4294	
5319	33860	4410		4606		4722	8	3267	7	4198	
5320	33861	4551		4179		3280		4256	2*	3905	
Experimental Mean		4589		5231		4327		3288		4282	
CD(0.05)		1067		984		692		673		364	
CV(%)		14.07		11.38		9.67		12.38		5.14	
F val		2.45**		9.95**		39.07**		6.58**		37.13**	
DOS		25.06.2025		6.07.2025		07-08-2025					
DOP		22.07.2025		7.08.2025		08-06-2025					
Local Check Name											

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Table No. 21.2 (Contd.): Grain Yield (kg/ha) in IVT – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN										ZONE III - EASTERN (4)	
		Bihar				Bihar (2)		Jharkhand		Odisha		Mean	
		Bikramganj (Dhangain)		Pusa		Mean		Ranchi		NRRI			
5301	33847	4806		3656	5	4231	8	4589		4733		4446	
5302	33848	4679		3540	8	4109		4589		3100		3977	
5303	Vandana (Positive very early duration)	1738		3658	4	2698		3178		2937		2878	
5304	33849	5194	6	4353	2*	4774	3	4033		4676		4564	
5305	33850	4579		3516		4047		4644	10	5410	8	4537	
5306	Swarna (Positive)	5810	2	3616	7	4713	4	3300		5947	2	4668	8
5307	33851	3794		3107		3450		6000	1	2877		3944	
5308	33852	6381	1	3400		4890	2	5989	2	5194		5241	2
5309	33853	5504	5	3076		4290	6	4656	9	5400	9	4659	9
5310	Rasi (Positive)	2563		4058	3	3311		3300		3460		3345	
5311	33854	4591		3204		3898		3667		5069		4133	
5312	33855	4548		3407		3977		5933	3	5244	10	4783	7
5313	33856	4321		3453		3887		5867	4	4979		4655	10
5314	Improved Samba Mahsuri (Sensitive)	4774		3304		4039		3667		5587	5	4333	
5315	33857	5540	4	4467	1*	5003	1	5789	5	5627	4	5356	1*
5316	33858	4829	10	3504		4167	10	4033		5223		4398	
5317	33859	5087	7	3184		4136		5567	6	5577	6	4854	4
5318	DRR Dhan 60 (Positive)	4853	9	3522	9	4188	9	5344	7	6050	1	4942	3
5319	33860	4921	8	3624	6	4273	7	5278	8	5467	7	4822	5
5320	33861	5603	3	3522	9	4563	5	4367		5644	3	4784	6
Experimental Mean		4706		3559		4132		4689		4910		4466	
CD(0.05)		810		255		434		680		519		325	
CV(%)		10.41		4.34		6.36		8.78		6.4		4.41	
F val		13.86**		16.99**		12.98**		17.07**		30.32**		27.1**	
DOS		05-07-2025		30-06-2025				02-07-2025		26-06-2025			
DOP		02-08-2025		28-07-2025				01-08-2025		31-07-2025			
Local Check Name													

Table No. 21.2 (Contd.): Grain Yield (kg/ha) in IVT – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN		ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (3)	
		Maharashtra		Andhra Pradesh		Karnataka		Telangana		Mean	
		Karjat		Maruteru		Gangavati		HIRR			
5301	33847	5012	10	7217	1	5192		3922		5444	9
5302	33848	4835		4179		4808		5100	5	4695	
5303	Vandana (Positive very early duration)	5438	8	5223		2030		2811		3355	
5304	33849	5443	7	5983	6	7436	2*	4033		5817	5
5305	33850	4941		5983	6	4679		4667	10	5110	
5306	Swarna (Positive)	5177	9	5793	8	6132	7	5722	1	5883	4
5307	33851	4949		3466		3440		4300		3735	
5308	33852	4705		5176		7468	1*	5700	2	6115	3
5309	33853	4981		3870		5748		4467		4695	
5310	Rasi (Positive)	4383		3656		3600		3344		3534	
5311	33854	4418		6458	5	5524		4700	9	5560	8
5312	33855	6994	2	6553	3	6774	5	5444	4	6257	1
5313	33856	7423	1	4250		5908	8	4044		4734	
5314	Improved Samba Mahsuri (Sensitive)	4872		4843		5192		3544		4527	
5315	33857	4444		6648	2	6282	6	5533	3	6154	2
5316	33858	5972	4	5294	9	6784	4	5022	6	5700	6
5317	33859	4860		5271	10	5769	10	4511		5184	
5318	DRR Dhan 60 (Positive)	6794	3	6481	4	5844	9	3844		5390	10
5319	33860	5567	6	4392		7404	3*	4944	7	5580	7
5320	33861	5602	5	4487		5000		4767	8	4751	
Experimental Mean		5341		5261		5551		4521		5111	
CD(0.05)		1018		876		790		878		513	
CV(%)		11.53		10.07		8.62		11.75		6.07	
F val		6.6**		13.01**		25.81**		6.82**		22.81**	
DOS		25-06-2025		06-07-2025		08-07-2025					
DOP		22-07-2025		07-08-2025		06-08-2025					
Local Check Name						-					

Table No. 21.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (2)			Jharkhand		
		Bikramganj (Dhangain)			Pusa			Mean			Ranchi		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5301	33847	97	102	198	100	77	204	99	90	201	103	86	254
5302	33848	90	100	209	96	98	214	93	99	211	100	114	233
5303	Vandana (Positive very early duration)	73	111	172	77	87	214	75	99	193	81	113	256
5304	33849	92	96	208	89	93	232	91	94	220	97	101	237
5305	33850	98	100	246	101	85	223	100	92	234	104	97	239
5306	Swarna (Positive)	106	102	242	111	75	209	109	88	226	110	72	207
5307	33851	73	88	195	78	76	218	76	82	206	89	96	267
5308	33852	91	120	214	98	82	215	94	101	214	98	121	246
5309	33853	90	106	265	91	91	212	91	98	239	99	99	223
5310	Rasi (Positive)	75	100	182	78	78	205	77	89	194	91	94	235
5311	33854	91	110	218	101	101	209	96	106	214	104	138	274
5312	33855	96	119	245	104	77	210	100	98	227	107	98	256
5313	33856	98	100	206	103	81	233	101	91	220	99	100	260
5314	Improved Samba Mahsuri (Sensitive)	100	106	251	111	75	209	106	90	230	106	83	199
5315	33857	82	89	199	91	97	223	86	93	211	90	120	255
5316	33858	99	105	284	104	93	227	102	99	256	106	101	219
5317	33859	97	117	245	104	92	232	101	105	238	109	100	249
5318	DRR Dhan 60 (Positive)	107	91	217	109	79	214	108	85	216	102	93	232
5319	33860	99	111	252	103	83	220	101	97	236	100	100	254
5320	33861	95	102	278	110	83	224	103	92	251	106	80	216
Experimental Mean		92	103	226	97	85	217	95	94	222	100	100	240
Standard Error		0			1.02			0.51			0.93		

Table No. 21.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN			ZONE III - EASTERN (4)			ZONE VI - WESTERN		
		Odisha			Mean			Maharashtra		
		NRRI			Mean			Karjat		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5301	33847	106	96	263	102	90	230	96	91	328
5302	33848	103	131	273	97	111	232	94	100	264
5303	Vandana (Positive very early duration)	81	112	281	78	106	231	79	115	249
5304	33849	100	115	299	95	101	244	92	105	278
5305	33850	108	104	293	103	96	250	98	109	308
5306	Swarna (Positive)	118	108	310	111	89	242	108	103	268
5307	33851	87	92	268	82	88	237	82	101	299
5308	33852	99	124	257	97	112	233	90	119	295
5309	33853	100	113	266	95	102	242	92	107	326
5310	Rasi (Positive)	83	93	233	82	91	214	78	101	289
5311	33854	104	155	293	100	126	248	98	139	333
5312	33855	107	125	268	104	105	245	103	105	311
5313	33856	109	121	273	102	100	243	93	101	344
5314	Improved Samba Mahsuri (Sensitive)	117	104	304	109	92	241	102	95	304
5315	33857	95	119	271	90	106	237	92	114	290
5316	33858	106	122	271	104	105	250	102	113	306
5317	33859	106	126	227	104	109	238	102	120	299
5318	DRR Dhan 60 (Positive)	116	113	275	109	94	234	100	102	322
5319	33860	100	115	269	100	102	249	90	100	286
5320	33861	117	110	317	107	94	259	102	99	289
Experimental Mean		103	114	275	99	101	240	94	106	299
Standard Error		1.29			0.46			0.82		

Table No. 21.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – LPT (P₅₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (3)		
		Andhra Pradesh			Karnataka			Telangana					
		Maruteru			Gangavati			IIRR			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5301	33847	102	108	356	106	89	284	105	80	265	104	92	302
5302	33848	85	140	339	103	127	269	104	106	308	97	124	305
5303	Vandana (Positive very early duration)	84	113	248	81	117	243	87	95	187	84	108	226
5304	33849	102	121	273	100	109	328	108	95	282	103	108	294
5305	33850	105	113	332	107	95	314	110	92	297	107	100	314
5306	Swarna (Positive)	108	112	279	115	95	300	117	91	293	113	99	291
5307	33851	84	89	264	92	92	323	90	82	290	88	88	292
5308	33852	83	137	363	104	120	263	102	111	312	96	122	313
5309	33853	103	117	337	105	112	288	108	86	275	105	105	300
5310	Rasi (Positive)	77	83	264	92	93	289	92	77	312	87	84	288
5311	33854	102	151	277	105	151	291	109	116	286	105	139	285
5312	33855	101	130	317	107	104	316	114	93	312	108	109	315
5313	33856	101	123	299	106	100	274	110	88	286	106	104	286
5314	Improved Samba Mahsuri (Sensitive)	105	116	343	107	86	284	110	84	304	107	95	310
5315	33857	85	116	271	100	120	256	102	106	374	96	114	300
5316	33858	102	126	332	108	108	313	107	98	341	106	111	329
5317	33859	97	144	330	114	116	268	109	102	271	107	121	290
5318	DRR Dhan 60 (Positive)	106	106	310	106	96	302	107	88	293	106	96	302
5319	33860	84	103	255	104	113	290	102	98	352	97	105	299
5320	33861	103	114	350	115	95	331	113	93	315	110	101	332
Experimental Mean		95	118	306	103	106	291	105	94	297	102	106	299
Standard Error		0.86			0.59			0.96			0.39		

Table No. 21.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar						Bihar (2)			Jharkhand		
		Bikramganj (Dhangain)			Pusa			Mean			Ranchi		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5301	33847	102	114	304	102	77	212	102	95	258	104	89	257
5302	33848	95	111	321	96	98	220	96	104	270	101	117	236
5303	Vandana (Positive very early duration)	77	123	264	78	87	235	78	105	250	82	116	259
5304	33849	97	107	320	90	91	248	94	99	284	98	104	240
5305	33850	103	111	378	103	85	228	103	98	303	105	100	242
5306	Swarna (Positive)	112	113	372	111	75	208	112	94	290	112	75	210
5307	33851	77	97	299	79	76	226	78	87	263	91	99	270
5308	33852	96	133	328	98	82	239	97	108	284	100	123	248
5309	33853	95	117	407	91	91	235	93	104	321	101	101	225
5310	Rasi (Positive)	79	111	279	78	78	229	79	94	254	93	96	237
5311	33854	96	123	335	101	101	236	99	112	286	106	140	276
5312	33855	101	132	377	104	77	220	102	104	298	109	100	258
5313	33856	103	111	317	103	81	240	103	96	278	98	102	262
5314	Improved Samba Mahsuri (Sensitive)	105	117	386	112	75	209	108	96	298	105	85	201
5315	33857	86	98	306	91	97	230	88	98	268	89	122	257
5316	33858	104	117	437	104	93	236	104	105	337	105	103	221
5317	33859	102	130	377	105	89	234	104	109	306	108	102	251
5318	DRR Dhan 60 (Positive)	113	100	334	111	79	224	112	90	279	101	95	234
5319	33860	104	123	387	103	83	230	104	103	308	99	102	256
5320	33861	100	113	427	93	83	235	97	98	331	105	82	218
Experimental Mean		97	115	347	97	84	228	98	100	288	100	102	242
Standard Error		0			0.92			0.46			0.93		

Table No. 21.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN			ZONE III - EASTERN (4)			ZONE VI - WESTERN		
		Odisha						Maharashtra		
		NRRI			Mean			Karjat		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5301	33847	105	97	264	103	94	260	93	94	241
5302	33848	101	131	275	98	114	263	90	133	277
5303	Vandana (Positive very early duration)	81	107	284	80	108	260	77	117	218
5304	33849	99	116	302	96	105	277	88	111	257
5305	33850	109	113	284	105	102	283	93	113	323
5306	Swarna (Positive)	119	105	321	114	92	278	102	102	325
5307	33851	88	99	278	84	93	268	80	102	238
5308	33852	99	125	246	98	116	265	84	120	273
5309	33853	98	115	262	96	106	282	87	110	306
5310	Rasi (Positive)	85	86	242	84	93	247	76	104	239
5311	33854	103	141	288	102	126	284	100	151	271
5312	33855	107	125	277	105	108	283	100	115	307
5313	33856	108	124	259	103	105	270	95	108	315
5314	Improved Samba Mahsuri (Sensitive)	117	108	288	110	96	271	98	95	342
5315	33857	95	126	297	90	111	273	90	114	270
5316	33858	109	122	280	106	109	293	101	114	322
5317	33859	107	130	255	106	113	279	97	122	285
5318	DRR Dhan 60 (Positive)	115	115	290	110	97	271	96	99	325
5319	33860	99	119	288	101	107	290	88	105	288
5320	33861	117	109	306	104	97	296	100	99	310
Experimental Mean		103	115	279	100	105	275	91	111	286
Standard Error		0.45			0.36			0		

Table No. 21.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in IVT – LPT (P₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (3)		
		Andhra Pradesh			Karnataka			Telangana					
		Maruteru			Gangavati			IIRR			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5301	33847	100	110	365	105	93	314	97	88	359	101	97	346
5302	33848	85	135	314	102	122	291	95	109	367	94	122	324
5303	Vandana (Positive very early duration)	84	117	365	80	97	218	83	102	359	82	105	314
5304	33849	97	121	370	100	107	345	98	109	352	98	112	355
5305	33850	105	118	356	106	91	271	107	99	341	106	102	323
5306	Swarna (Positive)	107	125	323	115	96	291	109	98	315	110	106	310
5307	33851	83	88	332	91	90	331	85	90	337	86	89	333
5308	33852	84	136	317	108	116	370	88	107	304	93	120	330
5309	33853	100	126	330	102	106	324	92	100	348	98	111	334
5310	Rasi (Positive)	77	92	255	90	85	322	88	84	411	85	87	329
5311	33854	95	153	332	109	135	263	103	123	337	102	137	311
5312	33855	100	134	317	107	102	267	105	106	356	104	114	313
5313	33856	101	114	332	100	96	309	98	101	392	99	104	345
5314	Improved Samba Mahsuri (Sensitive)	105	115	290	107	84	258	101	90	345	104	96	298
5315	33857	85	136	376	98	111	290	97	117	378	93	121	348
5316	33858	103	135	372	107	107	314	107	106	367	106	116	351
5317	33859	97	138	290	114	113	268	105	110	337	105	121	298
5318	DRR Dhan 60 (Positive)	105	119	383	107	94	322	100	92	345	104	102	350
5319	33860	83	115	332	104	112	336	97	101	370	95	109	346
5320	33861	105	114	299	114	96	308	103	102	326	107	104	311
Experimental Mean		95	122	332	103	102	300	97	101	352	99	109	328
Standard Error		1.01			0.6			0.79			0.42		

ADVANCE VARIETAL TRIAL 2 & 1 – LOW NITROGEN TOLERANCE (AVT 2 & 1 - LNT)

Locations: 10

Test Entries: 18

Checks: Tolerant –Swarna, Varadhan, DRR Dhan 64 and Rasi

Table: 22

Sensitive – Improve Samba Mahsuri

AVT 2&1 Low Nitrogen Tolerance trial was constituted with 18 test entries and four positive checks Viz., Swarna, Varadhan, DRR dhan 64 and Rasi and one sensitive check viz., Improved Samba Mahsuri. The trial was conducted at two levels of Nitrogen N 50 (50% of recommended Nitrogen) and N 100 (100% of recommended Nitrogen). In both the levels, Phosphorus and Potash are applied as per the recommended dose. The trial was sent to 11 locations but the data was not received from one location (Vadagaon). The data from remaining 10 locations viz., Ludhiana, Bikramganj, PUSA, Ranchi, NRRRI-Cuttack, Karjat, Navasari, Maruteru, ICAR IIRR and Mandya was considered for analysis. Among 18 test entries, 9 entries viz., IETs 31990, 31993, 31994, 31998, 32009, 32010, 29577(R), 30261 and 31124 are in third year of testing; and 9 entries viz., IETs 32874, 32875, 32878, 32883, 32884, 32885, 32889, 3289 and, 32891 are in second year of testing. The entry qualifies for promotion/found promising at zone level if it is significantly superior by considering CD value over the best check at N 50%. The entries are compared with respective checks based on days to 50% flowering. The entries having flowering duration of < 100 days are compared with Varadhan/Rasi, and the entries with more than 100 days to 50% flowering are compared with Swarna and DRR Dhan 64. Details of performance of entries under 50% nitrogen is mentioned in below table.

Zones	II	III	VI	VII
Range : Zonal mean (Kg/ha)	3350 (IET 29577) – 5784 (IET 32891)	2745 (Rasi) – 4801 (IET 31990)	2912 (Rasi) – 5840 (IET 29577)	3591 (Improved Samba Mahsuri) – 5609 (Varadhan)
Exp Mean (Kg/ha)	4291	3506 (PSA) – 5180 (CTK)	4360 (KJT) – 5377 (NVS)	3448 (MND) – 5799 (MTU)
CV%	6.38	4.02 (PSA) – 12.26 (CTK)	13.21 (KJT) – 13.59 (NVS)	8.78 (MND) – 11.09 (IIRR)
DFF	89 (IET 32891) – 127 (IET 32883)	85 (Rasi) – 111 (Improved Samba Mahsuri)	89 (DRR Dhan 64) – 98 (IET 31993)	87 (Rasi) – 108 (IET 30261)
PH (cm)	95 (IET 29577) – 121 (IET 32889)	89 (Rasi) – 108 (IET 32010)	102 (Improved Samba Mahsuri) – 129 (IET 31990)	86 (Rasi) – 114 (Varadhan)
Pan/m ²	176 (IET 31990) – 225 (32885)	226 (Varadhan) – 267 (DRR Dhan 64)	190 (Rasi) – 261 (IET 31998)	264 (IET 30261) – 339 (Swarna)
DNI (Data not included)	-	RNC	-	-
Locations considered	1	3	2	3

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In AVT 2 LNT, four entries IETs 31990, 32009, 32010 and 31124 recorded required significant yield superiority in zone II and their three year's performance is presented in the table. In AVT 1, two entries IETs 32889 and 32891 recorded required significant yield superiority in zone II.

Performance of the entries with required significant yield superiority over checks under 50% Nitrogen in AVT 2&1 LNT during kharif 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha)				Grain quality (GT/HRR/AC/GC/ASV & Remarks
	II	III	VI	VII	
AVT 2					
IET 31990 RP 6252-BV/RIL-BV31 BPT 5204 / Varadhan	4641*	4801	4941	4658	SB/67/26.22/53/5
IET 32009 RP 6252-BV/RIL-BV305 BPT 5204 / Varadhan	4346*	-	5371	4673	MS/67.1/26.04/22/4
IET 32010 RP 6257-SJ/RIL-SJ228 Sampada / Jaya	4779*	4310	4579	4235	SB/65.4/26.89/55/4
IET 31124 CR 4418-4-1-2-1-3-1 CR 3553-9-2-1-1-1-1 / CR 3510 -12-1-1-2-1-1	4722*	4578	5030	4406	SB/63.4/23.76/22/4
AVT 1					
IET 32889 RP6244-BR/RIL-BR192 BPT5204/Rasi	4975*	-	-	-	-
IET 32891 RP6254-SB/RIL-SB206 Sampada/BPT5204	5784*	-	-	-	-
Varadhan	-	3362	-	5609	
Rasi	-	2745	2912	3617	
Swarna	-	3102	-	5139	
DRR Dhan 64	3832	4445	5026	5095	
Early check + CD	-	3791	3725	5976	
Medium duration check + CD	4296	4874	5839	5462	

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Three-year performance of the entries in third year of testing under 50% nitrogen during Kharif 2023, 2024 & 2025 Zone II, III, VI, VII

Entry	Year	Z II	Z III	Z VI	Z VII	Grain quality (GT/HRR/AC/GC/ASV & Remarks)
IET 31990 RP 6252-BV/RIL-BV31 BPT 5204 / Varadhan	2025	4641*	4801	4941	4658	SB/67/26.22/53/5 Promising for Z II, III
	2024	5619*	4054*	7227*	5467*	
	2023	-	5128*	6049	4919	
IET 31993 RP 6254-SB/RIL-SB261 Sampada / BPT5204	2025	-	3758	4284	-	Not promising
	2024	4512	4351*	6662*	5095	
	2023	-	4102	4630	4978	
IET 31994 RP 6256-RJ/RIL-RJ162 Rasi / Jaya	2025	-	-	4681	4242	SB/68/25.57/22/4 Not promising
	2024	4536	3805	7148*	4621*	
	2023	-	5262*	4617	5250	
IET 31998 CR 4477-2-3-2-1-1-1 CR 3511-3-2-2-5-1-1/CR3557-2-1-1-1-1-1	2025	3636	-	5453	4991	SB/65.4/24.4/22/4 Not promising
	2024	5929*	4878	7819*	5796*	
	2023	-	4894	4938	5825	
IET 32009 RP 6252-BV/RIL-BV305 BPT 5204 / Vardhan	2025	4346	-	5371	4673	MS/67.1/26.04/22/4 Promising for Z VII, but AC is not in acceptable range
	2024	3095	4329*	6329*	4931*	
	2023	-	3738	4609	4825*	
IET 32010 RP 6257-SJ/RIL-SJ228 Sampada / Jaya	2025	4779*	4310	4579	4235	SB/65.4/26.89/55/4 Promising for Z II
	2024	5714*	4580*	6801*	5201*	
	2023	-	3171	4856	4790	
IET 29577(R) RP 5594-71-14-2-1 MTU 1010 / RPHR 1005	2025	3350	4686	5840	4665	SB/64.9/23.23/22/4 Not promising
	2024	-	-	-	-	
	2023	-	4885*	4697	5179	
IET 30261 RP 6317-RMS-S35-BC2F4-49-25-12-18 MTU 1121 * 2 / Swarna	2025	-	-	-	3739	SB/66.1/22.73/55/4 Not promising
	2024	-	-	-	-	
	2023	-	4967*	4617	5359	
IET 31124 CR 4418-4-1-2-1-3-1 CR 3553-9-2-1-1-1-1 / CR 3510 -12-1-1-2-1-1	2025	4722*	4578	5030	4406	SB/63.4/23.76/22/4 Not promising
	2024	-	-	-	-	
	2023	-	4508	4444	4711	

SUMMARY

ADVANCE VARIETY TRIAL 2&1 LOW NITROGEN TOLERANCE (AVT 2 & 1 - LNT)

Locations: 10

Test entries: 18

Checks: Tolerant –Swarna, DRR Dhan 64, Rasi and Varadhan (Early check)

Sensitive – Improve Samba Mahsuri

List of the entries promoted from AVT 1 - LNT to AVT 2 – LNT

IET 32889 and IET 32891 got promoted to AVT 2 LNT in Zone II

List of the entries performed superior in AVT 2 - LNT:

IET 31990: Promising for Z II and Z III

IET 32010: Promising for Z II.

Table No. 22.1: Composition of entries in Advance Varietal Trial 2 & 1 – Low Nitrogen Tolerance Trial (AVT 2 & 1 – LNT), Kharif 2025

E. No.	IET No.	Designation	Cross Combination	Zone	GT
5401	31990*	RP 6252-BV/RIL-BV31	BPT 5204 / Vardhan	II,III, VI,VII	SB
5402	31993*	RP 6254-SB/RIL-SB261	Sampada / BPT5204	III,VI	SB
5403	31994*	RP 6256-RJ/RIL-RJ162	Rasi / Jaya	VI,VII	SB
5404	Varadhan (Positive)				SB
5405	31998*	CR 4477-2-3-2-1-1-1	CR 3511-3-2-2-5-1-1/CR3557-2-1-1-1-1-1	II,VI,VII	SB
5406	32009*	RP 6252-BV/RIL-BV305	BPT 5204 / Vardhan	II,VI,VII	MS
5407	Rasi (Positive)				
5408	32010*	RP 6257-SJ/RIL-SJ228	Sampada / Jaya	II,III, VI,VII	SB
5409	29577* (R)	RP 5594-71-14-2-1	MTU 1010 / RPHR 1005	II,III,IV, V,VI,VII	SB
5410	30261* (R)	RP 6317-RMS-S35-BC2F4-49-25-12-18	MTU 1121 * 2 / Swarna	II,VII	SB
5411	Swarna (Positive)				
5412	31124*	CR 4418-4-1-2-1-3-1	CR 3553-9-2-1-1-1-1 / CR 3510 -12-1-1-2-1-1	II,III,IV, V,VI,VII	SB
5413	32874	RP 6449-DB-235-2	Vandana/NH 787	VII	SB
5414	32875	SPE-16	SM111/BPT 5204	III	MS
5415	32878	NVSR-983	NAUR-1/IET-24772	II	LS
5416	Improved Samba Mahsuri (Sensitive)				MS
5417	32883	CR 3549-1-1-3-1-1-2	ADT 43/ Annapurna	II	SB
5418	32884	CR 6329-3-1-1-2-1	CR dhan 308/CR 3504-7-2-2-1-1-1	II	SB
5419	32885	CR 4429-1-1-2-1-1	CR 3497-7-1-3-1-1-1/CR3505-3-1-1-1-1-1	II	SB
5420	32889	RP6244-BR/RIL-BR192	BPT5204/Rasi	II	LB
5421	DRR Dhan 64 (Positive)				LB
5422	32890	RP6253-VM/RIL-VM37	Varadhan/MTU1010	II	SB
5423	32891	RP6254-SB/RIL-SB206	Sampada/BPT5204	II	SB

*3rd year testing entries

Table No. 22.2: Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN	
		Punjab	
		Ludhiana	
5401	31990*	4641	5*
5404	Varadhan (Positive)		
5405	31998*	3636	
5406	32009*	4346	6*
5408	32010*	4779	3*
5409	29577* (R)	3350	
5410	30261* (R)		
5411	Swarna (Positive)		
5412	31124*	4722	4*
5415	32878	3766	10
5416	Improved Samba Mahsuri (Sensitive)		
5417	32883	3783	9
5418	32884		
5419	32885	3873	7
5420	32889	4975	2*
5421	DRR Dhan 64 (Positive)	3832	8
5422	32890		
5423	32891	5784	1*
Experimental Mean		4291	
CD(0.05)		464	
CV(%)		6.38	
F val		19.94**	
DOS		16-06-2025	
DOP		16-07-2025	
Local Check Name		PR126	

Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN								ZONE III - EASTERN (3)	
		Bihar				Bihar (2)		Odisha		EASTERN (3)	
		Bikramganj (Dhangain)		Pusa		Mean		NRRI		Mean	
5401	31990*	4394	1	4022	2	4208	1	5987	4	4801	1
5402	31993*	3974	6	3338	8	3656	6	3963	8	3758	8
5404	Varadhan (Positive)		10	3362	7	3362	9		10	3362	9
5407	Rasi (Positive)	2684	9	3411	6	3047		2140	9	2745	
5408	32010*	3860	8	4044	1	3952	3	5025	6	4310	6
5409	29577* (R)	3903	7	3229	9	3566	7	6927	1*	4686	2
5411	Swarna (Positive)			3102	10	3102	10			3102	10
5412	31124*	4032	4	3682	4	3857	4	6022	3	4578	4
5414	32875	4190	2	3420	5	3805	5	6236	2	4615	3
5416	Improved Samba Mahsuri (Sensitive)	4128	3	3000		3564	8	4974	7	4034	7
5421	DRR Dhan 64 (Positive)	4032	5	3956	3	3994	2	5349	5	4445	5
Experimental Mean		3911		3506		3647		5180		4040	
CD(0.05)		671		130		333		1099		429	
CV(%)		9.91		4.02		5.36		12.26		6.24	
F val		4.74**		69.54**		10.58**		15.19**		23.41**	
DOS		04-07-2025		30-06-2025				24-06-2025			
DOP		10-08-2025		27-07-2025				26-07-2025			
Local Check Name		Sabour Heera									

Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN				ZONE VI - WESTERN (2)	
		Gujarat		Maharashtra			
		Navasari		Karjat		Mean	
5401	31990*	5381	6	4502	6	4941	7
5402	31993*	4135	10	4434	7	4284	10
5403	31994*	4508	9	4853	3	4681	8
5404	Varadhan (Positive)						
5405	31998*	5206	8	5699	1*	5453	2
5406	32009*	5984	5	4758	4	5371	4
5407	Rasi (Positive)	3659		2165		2912	
5408	32010*	5262	7	3897	9	4579	9
5409	29577* (R)	6476	1	5204	2	5840	1
5411	Swarna (Positive)						
5412	31124*	6048	4	4012	8	5030	5
5416	Improved Samba Mahsuri (Sensitive)	6270	2	4596	5	5433	3
5421	DRR Dhan 64 (Positive)	6214	3	3838	10	5026	6
Experimental Mean		5377		4360		4868	
CD(0.05)		1245		981		813	
CV(%)		13.59		13.21		9.81	
F val		4.95**		7.61**		8.16**	
DOS		07-07-2025		25-06-2025			
DOP		30-07-2025		21-07-2025			
Local Check Name							

Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (3)	
		Andhra Pradesh		Karnataka		Telangana			
		Maruteru		Mandya		IIRR		Mean	
5401	31990*	6848	3	3007	9	4120	5	4658	8
5403	31994*	5142		3589	6	3993	9	4242	10
5404	Varadhan (Positive)	5866	7			5353	1	5609	1
5405	31998*	5607	9	4374	2			4991	5
5406	32009*	7183	1	2681		4153	4	4673	6
5407	Rasi (Positive)	3463		3748	4	3640		3617	
5408	32010*	5814	8	2884	10	4007	8	4235	
5409	29577* (R)	6848	3	3422	7	3727	10	4665	7
5410	30261* (R)	4289		3395	8	3533		3739	
5411	Swarna (Positive)	5891	6			4387	3	5139	3
5412	31124*	5504	10	3642	5	4073	6	4406	9
5413	32874	6899	2	4550	1*	4040	7	5163	2
5416	Improved Samba Mahsuri (Sensitive)	5220		2187		3367		3591	
5421	DRR Dhan 64 (Positive)	6615	5	3898	3	4773	2	5095	4
Experimental Mean		5799		3448		4090		4559	
CD(0.05)		946		512		764		367	
CV(%)		9.72		8.78		11.09		4.8	
F val		10.63**		15.24**		4.06**		24.27**	
DOS		06-07-2025		04-08-2025		14-07-2025			
DOP		07-08-2025		03-09-2025		13-08-2025			
Local Check Name				-					

Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN	
		Punjab	
		Ludhiana	
5401	31990*	5229	3*
5404	Varadhan (Positive)		
5405	31998*	3995	8*
5406	32009*	5351	2*
5408	32010*	4869	4*
5409	29577* (R)	3243	
5410	30261* (R)		
5411	Swarna (Positive)		
5412	31124*	4493	6*
5415	32878	4118	7*
5416	Improved Samba Mahsuri (Sensitive)		
5417	32883	3889	9*
5418	32884		
5419	32885	3799	10*
5420	32889	4804	5*
5421	DRR Dhan 64 (Positive)	3701	
5422	32890		
5423	32891	6242	1*
Experimental Mean		4478	
CD(0.05)		507	
CV(%)		6.69	
F val		24.28**	
DOS		16-06-2025	
DOP		16-07-2025	
Local Check Name		PR 126	

Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (2)	
		Bihar		Odisha		Mean	
		Bikramganj (Dhangain)		NRRI			
5401	31990*	6279	1	7038	3	6659	1
5402	31993*	5683	5	5335	8	5509	8
5404	Varadhan (Positive)		10		10		10
5407	Rasi (Positive)	3927	9	3031	9	3479	9
5408	32010*	5614	7	5622	7	5618	7
5409	29577* (R)	5621	6	7337	1	6479	3
5411	Swarna (Positive)						
5412	31124*	5332	8	7091	2	6211	5
5414	32875	6104	2	6630	5	6367	4
5416	Improved Samba Mahsuri (Sensitive)	6100	3	6983	4	6542	2
5421	DRR Dhan 64 (Positive)	6014	4	6269	6	6142	6
Experimental Mean		5630		6148		5889	
CD(0.05)		1034		692		669	
CV(%)		10.61		6.5		6.57	
F val		4.21**		34.49**		19.53**	
DOS		04-07-2025		24-06-2025			
DOP		10-08-2025		26-07-2025			
Local Check Name		Sabour Heera					

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Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN			
		Bihar		Jharkhand	
		@Pusa		@Ranchi	
5401	31990*	4349	1	5400	1
5402	31993*	3504	9	4900	8
5404	Varadhan (Positive)	3467	10	5000	6
5407	Rasi (Positive)	3571	6	4000	
5408	32010*	4216	2	4667	9
5409	29577* (R)	3538	7	5400	1
5411	Swarna (Positive)	3427		5333	4
5412	31124*	3729	5	5267	5
5414	32875	3507	8	4533	10
5416	Improved Samba Mahsuri (Sensitive)	4118	4	5000	6
5421	DRR Dhan 64 (Positive)	4176	3	5400	1
Experimental Mean		3782		4991	
CD(0.05)		170		1083	
CV(%)		2.63		12.74	
F val		38.24**		1.48ns	
DOS		30-06-2025		02-07-2025	
DOP		27-07-2025		17-08-2025	
Local Check Name					

Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN				ZONE VI - WESTERN (2)	
		Gujarat		Maharashtra			
		Navasari		Karjat		Mean	
5401	31990*	3883	9	4804	8	4344	9
5402	31993*	3322		4475	9	3899	10
5403	31994*	4172	7	4938	6	4555	7
5404	Varadhan (Positive)						
5405	31998*	4110	8	5378	3	4744	6
5406	32009*	4994	1	4944	5	4969	4
5407	Rasi (Positive)	3656	10	2633		3145	
5408	32010*	4756	6	5715	1	5235	1
5409	29577* (R)	4768	5	5636	2	5202	2
5411	Swarna (Positive)						
5412	31124*	4989	2	5219	4	5104	3
5416	Improved Samba Mahsuri (Sensitive)	4830	4	4843	7	4836	5
5421	DRR Dhan 64 (Positive)	4887	3	3949	10	4418	8
Experimental Mean		4397		4776		4586	
CD(0.05)		905		919		669	
CV(%)		12.08		11.3		8.57	
F val		3.72**		7.84**		7.66**	
DOS		07-07-2025		25-06-2025			
DOP		30-07-2025		21-07-2025			
Local Check Name							

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Table No. 22.2 (Contd.): Grain Yield (kg/ha) in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN	
		Telangana	
		IIRR	
5401	31990*	5627	4
5403	31994*	5013	8
5404	Varadhan (Positive)	6760	1
5405	31998*		
5406	32009*	5133	7
5407	Rasi (Positive)	4187	
5408	32010*	5780	3
5409	29577* (R)	5000	9
5410	30261* (R)	4620	
5411	Swarna (Positive)		
5412	31124*	5520	5
5413	32874	5400	6
5416	Improved Samba Mahsuri (Sensitive)	4640	10
5421	DRR Dhan 64 (Positive)	6487	2
Experimental Mean		5347	
CD(0.05)		856	
CV(%)		9.46	
F val		6.66**	
DOS		14-07-2025	
DOP		13-08-2025	
Local Check Name			

Table No. 22.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		
		Punjab		
		Ludhiana		
		DFP	PH	PAN
5401	31990*	109	115	176
5404	Varadhan (Positive)			
5405	31998*	123	104	220
5406	32009*	105	107	220
5408	32010*	106	117	189
5409	29577* (R)	112	95	196
5410	30261* (R)			
5411	Swarna (Positive)			
5412	31124*	107	104	178
5415	32878	102	103	205
5416	Improved Samba Mahsuri (Sensitive)			
5417	32883	127	105	207
5418	32884			
5419	32885	126	108	225
5420	32889	107	121	214
5421	DRR Dhan 64 (Positive)	104	108	194
5422	32890			
5423	32891	89	98	207
Experimental Mean		110	107	203
Standard Error		1.3		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN												ZONE III - EASTERN (3)		
		Bihar						Bihar (2)			Odisha			Mean		
		Bikramganj (Dhangain)			Pusa			Mean			NRRI			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5401	31990*	86	106	311	95	100	220	90	103	265	98	130	250	97	107	254
5402	31993*	84	103	326	101	101	219	92	102	272	99	124	211	98	106	249
5404	Varadhan (Positive)				90	84	218	90	84	218				95	90	226
5407	Rasi (Positive)	82	90	343	79	82	215	81	86	279	86	91	188	85	89	228
5408	32010*	96	96	319	94	98	230	95	97	274	98	130	224	98	108	242
5409	29577* (R)	96	95	327	101	85	227	98	90	277	99	122	270	101	101	266
5411	Swarna (Positive)				99	95	231	99	95	231				100	94	227
5412	31124*	99	101	322	94	83	224	96	92	273	105	131	259	101	102	251
5414	32875	100	96	359	106	79	225	103	87	292	108	107	244	106	92	256
5416	Improved Samba Mahsuri (Sensitive)	104	90	331	112	82	225	108	86	278	119	111	231	111	97	252
5421	DRR Dhan 64 (Positive)	108	93	312	92	104	223	100	98	268	96	105	289	100	100	267
Experimental Mean		95	96	327	96	90	223	96	93	266	100	116	240	99	99	247
Standard Error		0.35			0.76			0.46			1.9			0.72		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN							ZONE VI - WESTERN (2)		
		Gujarat			Maharashtra				Mean		
		Navasari			Karjat				Mean		
		DFP	PH	PAN	DFP	PH	PAN		DFP	PH	PAN
5401	31990*	88	134	188	103	124	281		96	129	234
5402	31993*	93	127	171	102	129	323		98	128	247
5403	31994*	85	127	171	104	119	308		94	123	240
5404	Varadhan (Positive)										
5405	31998*	89	129	207	102	113	316		96	121	261
5406	32009*	84	121	203	102	114	272		93	118	238
5407	Rasi (Positive)	71	120	147	111	98	234		91	109	190
5408	32010*	86	138	186	100	113	265		93	125	226
5409	29577* (R)	86	121	205	101	96	307		94	108	256
5411	Swarna (Positive)										
5412	31124*	84	133	187	96	109	308		90	121	248
5416	Improved Samba Mahsuri (Sensitive)	94	111	195	100	92	304		97	102	250
5421	DRR Dhan 64 (Positive)	84	126	194	94	112	296		89	119	245
Experimental Mean		85	126	186	101	110	292		94	118	240
Standard Error		0.61			0.96				0.51		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (3)		
		Andhra Pradesh			Karnataka			Telangana					
		Maruteru			Mandya			HIRR			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5401	31990*	87	144	370	102	81	317	103	106	268	97	110	318
5403	31994*	91	131	337	104	84	329	103	101	268	99	105	311
5404	Varadhan (Positive)	87	122	275				109	106	290	98	114	282
5405	31998*	104	143	356	104	83	272				104	113	314
5406	32009*	85	116	361	100	82	351	104	93	246	96	97	319
5407	Rasi (Positive)	77	90	348	90	83	317	92	87	279	87	86	315
5408	32010*	85	139	350	100	84	329	103	103	304	96	109	328
5409	29577* (R)	102	127	321	103	74	306	109	98	308	105	100	312
5410	30261* (R)	104	126	240	108	81	283	114	102	268	108	103	264
5411	Swarna (Positive)	87	119	341				111	86	337	99	102	339
5412	31124*	102	143	339	95	73	261	112	95	275	103	104	291
5413	32874	85	125	339	102	81	227	104	102	308	97	103	291
5416	Improved Samba Mahsuri (Sensitive)	105	116	323	104	67	261	105	85	308	105	89	297
5421	DRR Dhan 64 (Positive)	85	124	332	95	96	306	98	103	312	93	107	317
Experimental Mean		91	126	330	100	80	296	105	97	290	99	103	307
Standard Error		0.61			0.41			0.86			0.43		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		
		Punjab		
		Ludhiana		
		DFE	PH	PAN
5401	31990*	110	115	214
5404	Varadhan (Positive)			
5405	31998*	122	104	227
5406	32009*	107	104	200
5408	32010*	108	117	187
5409	29577* (R)	111	93	163
5410	30261* (R)			
5411	Swarna (Positive)			
5412	31124*	110	98	172
5415	32878	100	102	192
5416	Improved Samba Mahsuri (Sensitive)			
5417	32883	120	110	182
5418	32884			
5419	32885	119	105	204
5420	32889	109	109	180
5421	DRR Dhan 64 (Positive)	105	96	170
5422	32890			
5423	32891	93	97	235
Experimental Mean		110	104	194
Standard Error		0.67		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (2)		
		Bihar			Odisha			Mean		
		Bikramganj (Dhangain)			NRRI					
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
5401	31990*	92	113	337	102	128	273	97	121	305
5402	31993*	89	109	352	106	149	288	98	129	320
5404	Varadhan (Positive)									
5407	Rasi (Positive)	87	95	369	99	114	211	93	104	290
5408	32010*	102	102	345	90	128	287	96	115	316
5409	29577* (R)	103	102	353	101	121	307	102	112	330
5411	Swarna (Positive)									
5412	31124*	104	107	348	101	124	303	103	115	326
5414	32875	105	101	385	113	113	250	109	107	318
5416	Improved Samba Mahsuri (Sensitive)	110	94	357	116	121	261	113	108	309
5421	DRR Dhan 64 (Positive)	116	108	338	103	109	252	110	108	295
Experimental Mean		100	103	353	103	123	270	102	113	312
Standard Error		0			1.66			0.83		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025 (Not Considered)

Entry No	IET No	ZONE III - EASTERN					
		Bihar			Jharkhand		
		@Pusa			@Ranchi		
		DFF	PH	PAN	DFF	PH	PAN
5401	31990*	96	101	237	109	95	262
5402	31993*	100	105	232	108	97	254
5404	Varadhan (Positive)	92	88	223	102	98	255
5407	Rasi (Positive)	82	85	229	93	94	182
5408	32010*	96	101	241	104	108	214
5409	29577* (R)	102	88	233	110	104	266
5411	Swarna (Positive)	99	104	244	104	95	241
5412	31124*	97	86	228	108	96	215
5414	32875	107	81	228	111	90	219
5416	Improved Samba Mahsuri (Sensitive)	111	84	242	112	108	241
5421	DRR Dhan 64 (Positive)	93	105	230	107	103	275
Experimental Mean		97	93	233	106	98	238

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (2)		
		Gujarat			Maharashtra					
		Navasari			Karjat			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5401	31990*	92	149	195	99	123	287	96	136	241
5402	31993*	93	146	192	98	118	299	96	132	246
5403	31994*	88	136	193	100	118	320	94	127	256
5404	Varadhan (Positive)									
5405	31998*	90	141	181	99	121	354	94	131	268
5406	32009*	85	124	208	97	112	293	91	118	250
5407	Rasi (Positive)	73	124	198		99	291	73	112	245
5408	32010*	86	140	241	99	119	296	93	130	268
5409	29577* (R)	88	105	255	98	110	317	93	107	286
5411	Swarna (Positive)									
5412	31124*	89	135	199	100	116	314	94	125	256
5416	Improved Samba Mahsuri (Sensitive)	95	112	222	97	93	292	96	102	257
5421	DRR Dhan 64 (Positive)	85	132	228	97	119	302	91	126	265
Experimental Mean		87	131	210	98	113	305	92	122	258
Standard Error		0.55			0.81			0.54		

Table No. 22.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 2 & 1 – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN		
		Telangana		
		IIRR		
		DDF	PH	PAN
5401	31990*	106	108	341
5403	31994*	107	104	319
5404	Varadhan (Positive)	113	111	319
5405	31998*			
5406	32009*	105	100	326
5407	Rasi (Positive)	96	88	367
5408	32010*	108	111	290
5409	29577* (R)	114	99	268
5410	30261* (R)	115	100	312
5411	Swarna (Positive)			
5412	31124*	108	102	337
5413	32874	105	98	293
5416	Improved Samba Mahsuri (Sensitive)	108	85	319
5421	DRR Dhan 64 (Positive)	101	109	326
Experimental Mean		107	101	318
Standard Error		1.01		

Table No. 22.4: Grain quality characteristics of entries in AVT 2 & 1 – LNT, Kharif 2025

Code	Designation	IET Number	HULL	MILL	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
2016	5401	31990	80.9	72.4	67	5.72	2.55	2.24	SB	OC	5.0	26.22	53
2017	5402	31993	-	-	-	-	-	-	-	-		-	-
2018	5403	31994	76.6	69.8	68.0	5.25	2.21	2.37	SB	A	4.0	25.57	22
2019	5404	VARADHAN	80.2	72.0	64.6	5.12	2.12	2.41	SB	VOC	4.0	25.72	65
2020	5405	31998	79.9	73.8	65.4	5.25	2.27	2.31	SB	VOC	4.0	24.40	22
2021	5406	32009	77.2	68.8	67.1	5.26	1.99	2.64	MS	A	4.0	26.04	22
2022	5407	RASI	79.6	71.6	59.4	5.16	2.30	2.24	SB	VOC	7.0	26.54	22
2023	5408	32010	80.5	71.9	65.4	5.68	2.57	2.21	SB	VOC	4.0	26.89	55
2024	5409	29577	80.2	72.5	64.9	5.66	2.64	2.14	SB	VOC	4.0	23.23	22
2025	5410	30261	79.7	73.2	66.1	5.35	2.19	2.44	SB	VOC	4.0	22.73	55
2026	5411	SWARNA	80.1	72.6	60.8	5.19	2.22	2.33	SB	A	4.0	23.43	36
2027	5412	31124	79.2	72.3	63.4	5.24	2.18	2.40	SB	VOC	4.0	23.76	22
2028	5413	32874	79.9	72.8	63.8	5.97	2.48	2.40	SB	VOC	4.0	26.95	51
2029	5414	32875	78.1	66.2	49.0	4.59	1.81	2.53	MS	VOC	4.0	26.34	22
2030	5415	32878	76.0	65.2	44.9	6.04	2.10	3.94	LS	OC	7.0	26.31	22
2031	5416	ISM	77.9	70.4	65.2	5.04	1.76	2.86	MS	OC	4.0	23.17	22
2032	5417	32883	77.3	69.4	56.1	4.87	2.48	1.96	SB	OC	5.0	23.55	22
2033	5418	32884	79.5	72.4	61.6	5.04	2.32	2.17	SB	OC	5.0	24.90	28
2034	5419	32885	79.2	71.9	64	5.09	2.23	2.28	SB	A	4.0	27.63	22
2035	5420	32889	80.1	71.0	61.1	6.12	2.45	2.49	LB	A	4.0	26.54	50
2036	5421	DRR DHAN -64	80.8	74.4	67.0	6.27	2.20	2.85	LB	VOC	5.0	23.40	62
2037	5422	32890	76.9	66.6	45.2	5.52	2.39	2.30	SB	VOC	4.0	26.54	43
2038	5423	32891	79.3	72.8	65.5	5.68	2.36	2.40	SB	A	4.0	24.40	60
HULL: Hulling(%) MILL: Milling(%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC: Kernal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETY TRIAL – LOW NITROGEN TOLERANCE (IVT - LNT)

Locations: 11

Test Entries: 17

Checks: Tolerant –Swarna, Varadhan, DRR Dhan 64 and Rasi

Table: 23

Sensitive – Improve Samba Mahsuri

IVT Low Nitrogen Tolerance trial was constituted with 17 test entries and four positive checks Viz., Swarna, Varadhan, DRR Dhan 64 and Rasi and one sensitive check viz., Improved Samba Mahsuri. The trial was conducted at two levels of Nitrogen N 50 (50% of recommended Nitrogen) and N 100 (100% of recommended Nitrogen). In both the levels, Phosphorus and Potash are applied as per the recommended dose. The trial was sent to 11 locations but the data was not received from one location (Vadagaon). The data from remaining 10 locations viz., Ludhiana, Bikramganj, PUSA, Ranchi, NRRI-Cuttack, Karjat, Navasari, Maruteru, ICAR IIRR and Mandya was considered for analysis. The entry qualifies for promotion by considering CD value superior over the best check at zone level if it is significantly at N 50%. The entries are compared with respective checks based on days to 50% flowering. The entries having flowering duration of < 100 days are compared with Varadhan/Rasi, and the entries with more than 100 days to 50% flowering are compared with Swarna and DRR Dhan 64. Details of performance of entries under 50% nitrogen is mentioned in below table.

Zones	II	III	VI	VII
Range : Zonal mean (Kg/ha)	3064 (IET 33869) – 5866 (IET 33878)	2676 (Varadhan) – 5144 (IET 33865)	3657 (Varadhan) – 5910 (IET 33865)	3017 (IET 33863) – 5194 (Varadhan)
Exp Mean (Kg/ha)	4025 (LDN)	3505 (PSA) – 5052 (CTK)	4017 (KJT) – 5908 (NVS)	3042 (MND) – 5429 (MTU)
CV%	6.77	4.24 (PSA) – 14.87 (CTK)	11.92 (KJT) – 13.25 (NVS)	6.8 (MTU) – 9.54 (IIRR)
DFF	88 (Rasi) – 122 (IET 33877 & IET 33863)	81 (Rasi) – 115 (IET 33871)	80 (Rasi) – 104 (IET 33878)	88 (Rasi) – 117 (IET 33870)
PH (cm)	85 (IET 33866) – 132 (IET 33871 & IET 33878)	82 (Varadhan) – 112 (IET 33862)	103 (IET 33866 and ISM) – 132 (IET 33867)	88 (IET 33866) – 117 (IET 33878)
Pan/m ²	130 (IET 33873) – 231 (Swarna)	165 (Varadhan) – 235 (IET 33875)	210 (IET 33864) – 298 (Varadhan)	247 (Swarna) – 240 (IET 33876)
DNI (Data not included)	-	BKG (2632 kg/ha)	-	-
Locations considered	1	3	2	3

Performance of the entries with required significant yield superiority over checks under 50% Nitrogen in IVT LNT during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha)		Promoted in
	Zone II	Zone VI	
33878 RP 6168-db-SN-124 Swarna/O. nivara IC336681	5866*	-	Z II
33875 RP 6806-MPP-NH-44 MTU1010/Phul Pattas-72	5196*	-	Z II
33868 CR6365-RGA-55-30 CR Dhan 202/SR 14-1-1//Arize-8433DT	4959*	-	Z II
33867 CR6355-RGA-1 CR Dhan 202/CR 8-802-6-1-1R//N22	4461*	-	Z II
33862 NVSr-1346 IET-24025XNAUR-1	4273*	-	Z II
33872 CR 6543 - 1-1-3-1-1-1 CR dhan 308/CR 3783-3-2-1-1-2-1-2	4109*	-	Z II
33865 RCPL 1-468 IURON 8-19/Bhulam 1	-	5910*	Z VI
33870 CR4408 - 1-2-1-3-1-1 CR 3516-10-1-1-1-1-1/CR 3549 -3-5-1-1-1-1	-	5787*	Z VI
Varadhan	-	3657	
Rasi	-	4227	
Swarna	-	3958	
DRR Dhan 64	3497	4648	
Early check + CD	-	4987	
Medium duration check + CD	3953	5408	

SUMMARY

INITIAL VARIETY TRIAL LOW NITROGEN TOLERANCE (IVT - LNT)

Locations: 11

Test entries: 17

Checks: Tolerant –Swarna, DRR Dhan 64, Rasi and Varadhan (Early check)

Sensitive – Improve Samba Mahsuri

List of the entries promoted from IVT LNT to AVT 1 - LNT

Zone II: IETs 33878, 33875, 33868, 33867, 33862 and 33872

Zone VI: IETs 33865 and 33870

Table No. 23.1: Composition of entries in Initial Varietal Trial - Low Nitrogen Tolerance Trial (IVT – LNT), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
5501	33862	NVSR-1346	IET-24025XNAUR-1	LB/MB
5502	33863	NVSR-1400	IET-15429XIET-25453	MS
5503	33864	NVSR-1635	IET-24766XIET-25477	LB
5504	Varadhan (Positive)			MB
5505	33865	RCPL 1-468	IURON 8-19/Bhulam 1	LS
5506	33866	RCPL 1-467	Pusa 44/Nagina	MS
5507	33867	CR6355-RGA-1	CR Dhan 202/CR 8-802-6-1-1R//N22	MS/MB
5508	Rasi (Positive)			MS
5509	33868	CR6365-RGA-55-30	CR Dhan 202/SR 14-1-1//Arize-8433DT	MB
5510	33869	CR4375 - 1-4-1-1-1-1-4	CR 3522-1-2-1-1-1-1-2/ CR3497-7-1-3-2-2-1	MS
5511	33870	CR4408 - 1-2-1-3-1-1	CR 3516-10-1-1-1-1-1/CR 3549 -3-5-1-1-1-1	MS
5512	Swarna (Positive)			MS
5513	33871	CR 3562 -2-2-1-1-1-1	Surendra/N 22	MS
5514	33872	CR 6543 - 1-1-3-1-1-1	CR dhan 308/CR 3783-3-2-1-1-2-1-2	MS
5515	33873	RP6869-VPSY20-44-12-4-3-2-1	RP 6533-NIL2305/RP5976-RIL	MS
5516	33874	MSM-99-99	T1-112 X BPT-5204	MS
5517	Improved Samba Mahsuri (Sensitive)			
5518	33875	RP 6806-MPP-NH-44	MTU1010/Phul Pattas-72	SB/MB
5519	33876	RP 6807-SPP-2027	Swarna/Phul Pattas-72	MS/LS
5520	33877	RP 6458-db-C1-28-2	Swarna // 166S-Swarna /O. nivara	MB/LB
5521	DRR Dhan 64 (Positive)			LS
5522	33878	RP 6168-db-SN-124	Swarna/O. nivara IC336681	MS

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Table No. 23.2: Grain Yield (kg/ha) in IVT – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		ZONE III - EASTERN					
		Punjab		Bihar		Jharkhand		Odisha	
		Ludhiana		Pusa		Ranchi		NRRI	
5501	33862	4273	5*	3498	10	4800	8	4456	
5502	33863	3391		3407		3660		4747	
5503	33864	3766	9	3469		4300		2505	
5504	Varadhan (Positive)			3558	8	1793			
5505	33865	3930	7	4267	1*	5020	3	6145	2
5506	33866	3848	8	2980		3447		4876	
5507	33867	4461	4*	3484		5160	1	5488	5
5508	Rasi (Positive)			2876		3153		4075	
5509	33868	4959	3*	4147	2*	4660	9	4700	
5510	33869	3064		3464		4840	7	5198	9
5511	33870			3018		3873		5353	8
5512	Swarna (Positive)			3871	5	5160	1		
5513	33871			3060		3947		7173	1
5514	33872	4109	6*	3551	9	4300		4847	
5515	33873			2933		2153		5513	4
5516	33874	3260		3796	7	3440		5140	10
5517	Improved Samba Mahsuri (Sensitive)			3398		3153		4873	
5518	33875	5196	2*	4076	3	4873	5	5468	6
5519	33876	3235		3380		4873	5	4570	
5520	33877	3513	10	3087		4987	4	4600	
5521	DRR Dhan 64 (Positive)	3497		3856	6	4520	10	5952	3
5522	33878	5866	1*	3933	4	2800		5358	7
Experimental Mean		4025		3505		4042		5052	
CD(0.05)		456		245		663		1242	
CV(%)		6.77		4.24		9.95		14.87	
F val		26.19**		22.61**		17.95**		4.44**	
DOS		16-06-2025		26-06-2025		03-07-2025		24-06-2025	
DOP		16-07-2025		23-07-2025		01-08-2025		26-07-2025	
Local Check Name		PR126							

Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN (3)		ZONE VI - WESTERN Gujarat		Maharashtra		ZONE VI - WESTERN (2)	
		Mean		Navasari		Karjat		Mean	
5501	33862	4251	10	5876		4330	7	5103	9
5502	33863	3938		5009		4003		4506	
5503	33864	3425		6353	7	3583		4968	
5504	Varadhan (Positive)	2676				3657		3657	
5505	33865	5144	1	6870	1	4949	3*	5910	1*
5506	33866	3767		5885		4494	6	5189	8
5507	33867	4711	5	6316	9	3177		4747	
5508	Rasi (Positive)	3368		4824		3630		4227	
5509	33868	4502	7	6290	10	4523	4	5407	5
5510	33869	4501	8	6596	3	4500	5	5548	3
5511	33870	4081		6549	4	5025	2*	5787	2*
5512	Swarna (Positive)	4516	6			3958		3958	
5513	33871	4727	4	6462	5	4003	10	5233	6
5514	33872	4233		6426	6	3591		5008	10
5515	33873	3533		4796		3645		4221	
5516	33874	4125		6685	2	4214	9	5450	4
5517	Improved Samba Mahsuri (Sensitive)	3808		6341	8	3573		4957	
5518	33875	4805	2	5224		3290		4257	
5519	33876	4274	9	5146		4265	8	4706	
5520	33877	4224		5605		3153		4379	
5521	DRR Dhan 64 (Positive)	4776	3	5612		3684		4648	
5522	33878	4031		5291		5123	1*	5207	7
Experimental Mean		4155		5908		4017		4867	
CD(0.05)		466		1294		789		760	
CV(%)		6.8		13.25		11.92		9.47	
F val		12.32**		2.19*		4.42**		4.99**	
DOS				07-07-2025		25-06-2025			
DOP				30-07-2025		20-07-2025			
Local Check Name									

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Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE VII – SOUTHERN						ZONE VII - SOUTHERN (3)	
		Andhra Pradesh		Karnataka		Telangana		Mean	
		Maruteru		Mandya		IRR			
5501	33862	5556		4206	2*	3860	6	4541	4
5502	33863	3566		2672		2813		3017	
5503	33864	5168		3386	8*	2913		3823	
5504	Varadhan (Positive)	5194						5194	1
5505	33865	5891	7	3307	10*	3907	5	4368	6
5506	33866	4341		2954	*	3013		3436	
5507	33867	6744	3	4489	1*	2847		4693	3
5508	Rasi (Positive)	4935		2337		2560		3277	
5509	33868	5220		3316	9*	4327	3	4287	9
5510	33869	3850		2804	*	3613	10	3423	
5511	33870	5556	9	2610		2640		3602	
5512	Swarna (Positive)	3876						3876	
5513	33871	5194		3968	4*	3260		4141	
5514	33872	4806		2778		4167	4	3917	
5515	33873	5917	6	1173		2827		3306	
5516	33874	6822	2	3695	6*	3800	7	4772	2
5517	Improved Samba Mahsuri (Sensitive)	6563	5	1772		2780		3705	
5518	33875	5065		3942	5*	4487	2	4498	5
5519	33876	7313	1	2055		3693	8	4354	7
5520	33877	5556	9	3501	7*	3653	9	4237	
5521	DRR Dhan 64 (Positive)	5659	8	1772		5320	1	4250	10
5522	33878	6641	4	4101	3*	2220		4320	8
Experimental Mean		5429		3042		3435		4047	
CD(0.05)		995		458		542		465	
CV(%)		11.12		9.1		9.54		6.97	
F val		8.26**		32.53**		17**		11.65**	
DOS		06-07-2025		0-04-2025		14-07-2025			
DOP		07-08-2025		03-09-2025		13-08-2025			
Local Check Name				-					

Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₅₀), Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN	
		Bihar	
		@Bikramgunj	
5501	33862	2857	3
5502	33863	2844	5
5503	33864	2703	10
5504	Varadhan (Positive)		
5505	33865	2712	9
5506	33866	2346	
5507	33867	2763	7
5508	Rasi (Positive)	2222	
5509	33868	2661	
5510	33869	3099	1
5511	33870	2520	
5512	Swarna (Positive)		
5513	33871	2678	
5514	33872	2405	
5515	33873	2329	
5516	33874	2086	
5517	Improved Samba Mahsuri (Sensitive)	2652	
5518	33875	2852	4
5519	33876	2737	8
5520	33877	2831	6
5521	DRR Dhan 64 (Positive)	2912	2
5522	33878	2422	
Experimental Mean		2632	
CD(0.05)		646	
CV(%)		14.84	
F val		1.32	
DOS		04-07-2025	
DOP		10-08-2025	
Local Check Name			

Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN		ZONE III - EASTERN				
		Punjab		Bihar			Bihar (2)	
		Ludhiana		Bikramganj (Dhangain)		Pusa	Mean	
5501	33862	4657	5*	4019	4	4249	6	4134
5502	33863	3668	10	3363		4116	7	3739
5503	33864	3758	9	3861	8	3722		3792
5504	Varadhan (Positive)					3989		3989
5505	33865	4257	8*	3874	7	4367	3*	4120
5506	33866	4265	7*	3035		3840		3438
5507	33867	4739	4*	3951	5	4062	10	4006
5508	Rasi (Positive)			2124		3607		2865
5509	33868	5000	3*	3802	10	4838	1*	4320
5510	33869	3480		4427	1	4282	4	4355
5511	33870			3265		3709		3487
5512	Swarna (Positive)					4084	9	4084
5513	33871			3819	9	3298		3558
5514	33872	4281	6*	3436		4104	8	3770
5515	33873			2988		3638		3313
5516	33874	3399		2980		3938		3459
5517	Improved Samba Mahsuri (Sensitive)			3789		3484		3637
5518	33875	5842	2*	4074	2	4369	2*	4221
5519	33876	3064		3912	6	3418		3665
5520	33877	3587		3521		3767		3644
5521	DRR Dhan 64 (Positive)	3464		4044	3	4049		4047
5522	33878	6013	1*	3431		4267	5	3849
Experimental Mean		4231		3586		3963		3795
CD(0.05)		553		1047		205		472
CV(%)		7.81		17.66		4.12		7.55
F val		21.49**		2.07*		26.11**		4.83**
DOS		16-06-2025		04-07-2025		26-06-2025		
DOP		16-07-2025		10-08-2025		23-07-2025		
Local Check Name		PR126						

Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN				ZONE III - EASTERN (4)		ZONE VI - WESTERN	
		Jharkhand		Odisha				Maharashtra	
		Ranchi		NRRI		Mean		Karjat	
5501	33862	5433	6	6733	3	5109	2	4583	
5502	33863	4167		5396		4260		4660	
5503	33864	4933		3910		4107		5434	4
5504	Varadhan (Positive)	2547				3268		5883	2
5505	33865	5547	4	7835	2*	5406	1*	5125	8
5506	33866	3620		5278		3943		4420	
5507	33867	5547	4	6647	4	5052	4	6159	1
5508	Rasi (Positive)	3933		4398		3516		3659	
5509	33868	5120	9	4963		4681	9	4523	
5510	33869	4167		5840	10	4679	10	5099	9
5511	33870	5200	8	6391	5	4641		5370	5
5512	Swarna (Positive)	5740	2			4912	5	5230	6
5513	33871	4393		8747	1*	5064	3	5181	7
5514	33872	4973		6385	6	4725	8	4528	
5515	33873	2153		5731		3628		4690	
5516	33874	4553		6288	7	4440		4256	
5517	Improved Samba Mahsuri (Sensitive)	3233		5666		4043		3895	
5518	33875	5087	10	5722		4813	7	4614	
5519	33876	5820	1	5143		4573		4870	10
5520	33877	5587	3	5792		4666		5532	3
5521	DRR Dhan 64 (Positive)	5240	7	6076	9	4852	6	4776	
5522	33878	3273		6277	8	4312		3696	
Experimental Mean		4558		5961		4486		4827	
CD(0.05)		577		1226		427		819	
CV(%)		7.69		12.44		5.78		10.3	
F val		27.23**		6.39**		13.57**		5.11**	
DOS		03-07-2025		24-06-2025				25-06-2025	
DOP		01-08-2025		26-07-2025				20-07-2025	
Local Check Name									

Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (3)	
		Andhra Pradesh		Karnataka		Telangana		Mean	
		Maruteru		Mandya		HIRR			
5501	33862	5814	9	5159	2*	4960	6	5311	4
5502	33863	3437		3016		3533		3329	
5503	33864	4522		3889	6	3567		3993	
5504	Varadhan (Positive)	5917	7					5917	1
5505	33865	5969	6	3854	7	5127	3	4983	7
5506	33866	4238		3457		3853		3849	
5507	33867	7364	1	4956	3*	5000	5	5773	2
5508	Rasi (Positive)	4574		3342		3660		3859	
5509	33868	5736		4171	5*	5747	1	5218	5
5510	33869	4031		3333		4627	8	3997	
5511	33870	3721		3086		3627		3478	
5512	Swarna (Positive)	5736	10					5736	3
5513	33871	4961		5185	1*	3927		4691	10
5514	33872	5245		3571	9	4380	10	4399	
5515	33873	5917	7	1499		3673		3697	
5516	33874	6486	4	3457		4280		4741	9
5517	Improved Samba Mahsuri (Sensitive)	7003	2	2487		3833		4441	
5518	33875	5659		3642	8	5127	3	4809	8
5519	33876	6589	3	2566		4900	7	4685	
5520	33877	5116		3527	10	4413	9	4352	
5521	DRR Dhan 64 (Positive)	5633		2028		5573	2	4412	
5522	33878	6434	5	4656	4*	4040		5043	6
Experimental Mean		5459		3544		4392		4578	
CD(0.05)		916		598		842		488	
CV(%)		10.18		10.2		11.6		6.47	
F val		10.66**		22.09**		5.68**		18.54**	
DOS		06-07-2025		04-08-2025		14-07-2025			
DOP		07-08-2025		03-09-2025		13-08-2025			
Local Check Name				-					

Table No. 23.2 (Contd.): Grain Yield (kg/ha) in IVT – LNT (N₁₀₀), Kharif 2025 (Not considered)

Entry No	IET No	ZONE VI - WESTERN	
		Gujarat	
		@Navasari	
5501	33862	6849	3
5502	33863	6476	
5503	33864	6849	3
5504	Varadhan (Positive)		
5505	33865	6827	6
5506	33866	6790	7
5507	33867	6848	5
5508	Rasi (Positive)	5661	
5509	33868	6723	8
5510	33869	6579	
5511	33870	6358	
5512	Swarna (Positive)		
5513	33871	6925	1
5514	33872	6721	9
5515	33873	5152	
5516	33874	6879	2
5517	Improved Samba Mahsuri (Sensitive)	6711	10
5518	33875	5748	
5519	33876	6112	
5520	33877	6396	
5521	DRR Dhan 64 (Positive)	6118	
5522	33878	5644	
Experimental Mean		6418	
CD(0.05)		1097	
CV(%)		10.34	
F val		1.81	
DOS		07-07-2025	
DOP		30-07-2025	
Local Check Name			

Table No. 23.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN			ZONE III - EASTERN								
		Punjab			Bihar			Jharkhand			Odisha		
		Ludhiana			Pusa			Ranchi			NRRI		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5501	33862	107	126	176	97	97	201	104	111	203	98	127	235
5502	33863	109	132	166	94	89	210	96	113	182	98	127	247
5503	33864	100	115	174	95	84	229	95	100	199	100	121	197
5504	Varadhan (Positive)				82	81	211	111	83	118			
5505	33865	108	117	231	91	81	208	98	100	234	100	110	258
5506	33866	108	104	224	103	106	205	102	82	189	114	107	227
5507	33867	104	132	156	97	80	206	96	108	238	98	114	242
5508	Rasi (Positive)				75	75	209	82	95	191	85	92	224
5509	33868	104	116	207	92	84	231	97	99	225	94	107	195
5510	33869	122	106	218	105	78	236	111	93	206	112	117	244
5511	33870				110	80	229	110	97	232	118	131	237
5512	Swarna (Positive)				94	75	220	100	107	240			
5513	33871				111	82	228	111	91	203	123	131	240
5514	33872	110	129	165	95	89	220	100	101	206	111	128	212
5515	33873				108	88	216	110	93	155	109	137	232
5516	33874	122	107	130	105	82	213	101	96	190	115	124	229
5517	Improved Samba Mahsuri (Sensitive)				103	103	204	108	81	187	118	110	254
5518	33875	106	121	187	91	73	218	95	97	217	100	116	271
5519	33876	116	113	174	104	83	208	107	95	226	119	128	211
5520	33877	102	112	163	97	80	226	98	102	224	97	118	252
5521	DRR Dhan 64 (Positive)	106	119	207	90	90	208	94	101	216	96	114	269
5522	33878	88	85	195	95	86	225	109	92	175	115	135	211
Experimental Mean		107	115	184	97	84	216	101	97	202	106	119	234
Standard Error		0.99			0.71			0.85			1.28		

Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN (3)			ZONE VI - WESTERN						ZONE VI - WESTERN (2)		
		Mean			Gujarat			Maharashtra			Mean		
					Navasari			Karjat					
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5501	33862	99	112	213	85	140	163	95	122	282	90	131	222
5502	33863	96	110	213	80	130	184	92	120	300	86	125	242
5503	33864	97	102	208	81	119	156	84	108	264	82	113	210
5504	Varadhan (Positive)	96	82	165				96	112	298	96	112	298
5505	33865	96	97	233	86	117	193	97	114	292	92	115	242
5506	33866	106	98	207	88	109	184	100	98	263	94	103	223
5507	33867	97	101	229	85	145	180	92	120	270	88	132	225
5508	Rasi (Positive)	81	87	208	78	121	181	83	104	281	80	112	231
5509	33868	94	97	217	82	135	191	94	104	293	88	120	242
5510	33869	109	96	229	93	122	200	105	116	318	99	119	259
5511	33870	112	103	233	93	127	155	107	124	274	100	126	214
5512	Swarna (Positive)	97	91	230				93	111	293	93	111	293
5513	33871	115	101	224	94	134	172	108	121	316	101	128	244
5514	33872	102	106	212	88	125	200	97	126	258	92	126	229
5515	33873	109	106	201	92	140	211	108	122	318	100	131	264
5516	33874	107	101	211	96	133	138	103	119	302	100	126	220
5517	Improved Samba Mahsuri (Sensitive)	110	98	215	98	104	189	100	102	287	99	103	238
5518	33875	95	95	235	85	113	173	96	116	293	90	115	233
5519	33876	110	102	215	94	134	181	99	119	306	96	126	243
5520	33877	97	100	234	84	111	171	94	111	284	89	111	228
5521	DRR Dhan 64 (Positive)	93	102	231	82	119	181	93	112	263	88	116	222
5522	33878	107	104	204	100	112	155	108	122	305	104	117	230
Experimental Mean		101	100	217	88	124	177	97	114	289	93	119	239
Standard Error		0.6			0.55			0.98			0.62		

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Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₅₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN(3)		
		Andhra Pradesh			Karnataka			Telangana					
		Maruteru			Mandya			IIRR			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5501	33862	85	143	308	109	96	283	108	93	304	101	111	298
5502	33863	85	143	312	105	84	295	107	79	301	99	102	303
5503	33864	82	145	286	105	76	295	99	96	260	95	106	280
5504	Varadhan (Positive)	113	127	339					83	260	113	105	300
5505	33865	100	122	408	96	80	261	104	94	279	100	99	316
5506	33866	102	107	317	120	64	317	105	93	290	109	88	308
5507	33867	87	133	341	99	95	306	99	102	282	95	110	310
5508	Rasi (Positive)	77	125	284	99	84	261	87			88	104	272
5509	33868	94	119	315	112	83	295	102	97	255	103	100	288
5510	33869	104	130	284	126	72	306	111	98	290	114	100	293
5511	33870	113	129	333	126	87	295	112	98	257	117	105	295
5512	Swarna (Positive)	77	86	233					103	260	77	95	247
5513	33871	109	114	315	112	71	295	111	83	271	111	89	294
5514	33872	103	141	284	100	81	306	105	90	259	103	104	283
5515	33873	104	130	341	112	71	329	109	101	235	108	101	301
5516	33874	104	135	342	121	83	317	111	96	283	112	104	314
5517	Improved Samba Mahsuri (Sensitive)	102	109	354	113	58	295	102	104	271	106	90	307
5518	33875	84	130	370	108	78	351	103	99	286	98	102	336
5519	33876	102	126	341	121	68	340	104			109	97	340
5520	33877	85	115	284	113	69	295	102			100	92	289
5521	DRR Dhan 64 (Positive)	85	121	330	111	78	340	100			99	99	335
5522	33878	104	146	277	101	87	295	108			104	117	286
Experimental Mean		96	126	318	110	78	303	104	94	273	103	99	298
Standard Error		0.72			0.63			1.35			23.67		

Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₅₀), Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN		
		Bihar		
		@Bikramgunj		
		DFE	PH	PAN
5501	33862	91	88	262
5502	33863	87	89	241
5503	33864	90	81	228
5504	Varadhan (Positive)			
5505	33865	85	70	211
5506	33866	86	66	205
5507	33867	90	82	211
5508	Rasi (Positive)	93	68	204
5509	33868	93	90	183
5510	33869	86	75	217
5511	33870	91	89	178
5512	Swarna (Positive)			
5513	33871	91	76	222
5514	33872	86	84	188
5515	33873	91	89	178
5516	33874	87	80	223
5517	Improved Samba Mahsuri (Sensitive)	90	76	196
5518	33875	86	77	177
5519	33876	94	66	192
5520	33877	86	76	184
5521	DRR Dhan 64 (Positive)	91	77	192
5522	33878	83	83	191
Experimental Mean		88	79	204

Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE II - NORTHERN			ZONE III - EASTERN								
		Punjab			Bihar						Bihar (2)		
		Ludhiana			Bikramganj (Dhangain)			Pusa			Mean		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5501	33862	106	107	147	114	126	349	99	100	207	107	113	278
5502	33863	104	118	169	109	127	322	95	94	213	102	110	268
5503	33864	101	106	213	113	115	304	96	87	245	105	101	275
5504	Varadhan (Positive)							84	88	232	84	88	232
5505	33865	107	99	238	106	100	281	93	82	218	100	91	249
5506	33866	107	86	244	107	94	273	102	107	222	104	101	248
5507	33867	104	117	158	113	117	281	98	82	217	106	99	249
5508	Rasi (Positive)				116	96	272	75	77	227	96	86	250
5509	33868	104	111	189	116	128	244	90	91	248	103	110	246
5510	33869	115	111	225	108	107	289	103	79	246	106	93	268
5511	33870				114	126	238	109	83	234	112	104	236
5512	Swarna (Positive)							96	78	232	96	78	232
5513	33871				114	109	296	111	85	247	113	97	272
5514	33872	111	115	198	108	120	250	95	93	239	102	107	245
5515	33873				114	127	238	107	90	222	111	109	230
5516	33874	121	114	163	109	115	297	104	87	219	107	101	258
5517	Improved Samba Mahsuri (Sensitive)				113	108	261	102	111	219	108	110	240
5518	33875	107	104	227	108	110	236	90	77	231	99	93	234
5519	33876	116	116	180	117	94	255	104	86	219	111	90	237
5520	33877	101	93	178	108	108	245	98	81	237	103	95	241
5521	DRR Dhan 64 (Positive)	107	105	178	114	109	256	90	91	209	102	100	232
5522	33878	90	98	207	104	118	255	95	92	232	100	105	244
Experimental Mean		106	106	194	111	112	272	97	88	227	104	99	248
Standard Error		0.94			0			0.81			0.47		

Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (4)			ZONE VI - WESTERN		
		Jharkhand			Odisha			Mean			Maharashtra		
		Ranchi			NRRI			Mean			Karjat		
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5501	33862	106	113	234	98	134	275	104	118	266	90	127	283
5502	33863	98	115	209	100	130	234	101	116	244	87	121	315
5503	33864	97	102	229	99	120	259	101	106	259	79	113	276
5504	Varadhan (Positive)	113	85	136				98	87	184	91	128	301
5505	33865	101	102	269	99	115	288	100	100	264	89	109	298
5506	33866	105	84	217	110	118	250	106	101	241	95	87	270
5507	33867	99	110	274	102	126	262	103	109	259	85	122	282
5508	Rasi (Positive)	85	97	220	91	100	255	92	93	243	80	98	270
5509	33868	100	101	259	93	113	244	100	108	249	96	122	272
5510	33869	114	95	237	103	120	265	107	100	259	105	114	315
5511	33870	113	99	267	118	125	264	114	108	251	103	125	295
5512	Swarna (Positive)	103	109	276				100	94	254	97	92	313
5513	33871	114	93	234	120	128	268	115	104	261	105	119	321
5514	33872	102	104	237	110	131	258	104	112	246	99	122	270
5515	33873	112	96	178	109	136	254	111	112	223	105	125	305
5516	33874	103	99	218	113	124	256	108	106	248	104	120	303
5517	Improved Samba Mahsuri (Sensitive)	110	84	215	121	121	269	112	106	241	100	97	285
5518	33875	97	100	249	101	121	284	99	102	250	91	111	274
5519	33876	109	98	260	112	120	233	110	100	242	98	116	276
5520	33877	100	105	258	101	121	212	102	104	238	92	107	252
5521	DRR Dhan 64 (Positive)	96	104	248	101	122	298	100	107	253	90	115	255
5522	33878	111	95	201	117	137	225	107	110	228	102	122	306
Experimental Mean		104	99	232	105	123	257	104	105	246	94	114	288
Standard Error		0.85			1.53			0.46			0.89		

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Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₁₀₀), Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (3)		
		Andhra Pradesh			Karnataka			Telangana					
		Maruteru			Mandya			IIRR			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5501	33862	87	142	363	109	103	272	111	117	304	102	121	313
5502	33863	88	138	284	105	82	306	106	113	293	100	111	294
5503	33864	86	125	359	105	81	329	101	99	326	97	101	338
5504	Varadhan (Positive)	116	119	402							116	119	402
5505	33865	104	127	394	96	84	329	110	100	323	103	104	348
5506	33866	103	103	374	120	67	306	108	87	334	111	86	338
5507	33867	87	137	343	99	96	283	102	104	312	96	113	313
5508	Rasi (Positive)	80	88	277	99	87	351	88	87	290	89	87	306
5509	33868	95	120	361	112	85	317	106	101	312	104	102	330
5510	33869	106	134	345	126	72	295	115	96	337	116	101	326
5511	33870	115	134	306	126	94	283	115	107	286	118	112	292
5512	Swarna (Positive)	79	123	343							79	123	343
5513	33871	113	136	398	112	76	317	115	99	279	113	104	331
5514	33872	105	145	299	100	86	317	110	114	301	105	115	306
5515	33873	103	124	326	112	85	295	112	102	275	109	104	298
5516	33874	100	134	297	121	88	340	112	105	286	111	109	308
5517	Improved Samba Mahsuri (Sensitive)	105	114	317	113	55	317	105	86	279	107	85	304
5518	33875	85	123	306	108	84	317	104	100	272	99	102	298
5519	33876	103	127	352	121	83	351	109	102	286	111	104	330
5520	33877	85	112	370	113	76	306	105	98	312	101	95	329
5521	DRR Dhan 64 (Positive)	87	127	334	111	88	295	104	109	323	101	108	317
5522	33878	103	139	334	101	90	306	115	103	304	106	111	315
Experimental Mean		97	125	340	110	83	311	107	101	301	104	105	322
Standard Error		1.36			0.63			0.84			0.66		

Table No. 23.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – LNT (N₁₀₀), Kharif 2025 (Not considered)

Entry No	IET No	ZONE VI - WESTERN		
		Gujarat		
		@Navasari		
		DFP	PH	PAN
5501	33862	87	153	216
5502	33863	85	166	216
5503	33864	83	161	180
5504	Varadhan (Positive)			
5505	33865	86	128	189
5506	33866	89	109	208
5507	33867	88	150	199
5508	Rasi (Positive)	79	120	169
5509	33868	83	135	179
5510	33869	94	138	244
5511	33870	97	131	171
5512	Swarna (Positive)			
5513	33871	98	135	207
5514	33872	92	131	218
5515	33873	95	139	194
5516	33874	97	133	180
5517	Improved Samba Mahsuri (Sensitive)	100	110	208
5518	33875	86	125	190
5519	33876	98	144	198
5520	33877	87	126	210
5521	DRR Dhan 64 (Positive)	84	132	207
5522	33878	102	122	176
Experimental Mean		90	134	197

ADVANCE VARIETY TRIAL 1 & INITIAL VARIETY TRIAL - COLOURED RICES (AVT 1 & IVT – Coloured Rice)

Locations: 34

Test Entries: 37

Checks: Choharto (Red rice Check), Jyothi (Matta Red Rice Check), Kauni (Black Rice check) and Local check **Table: 24**

Advanced Variety Trial 1 & Initial variety trial Coloured rices (AVT 1 & IVT – Coloured Rice) was constituted with 37 test entries of which 6 entries were evaluated in second and 31 entries were evaluated in first years of testing along with four checks Choharto (Red rice Check), Jyothi (Matta Red Rice Check), Kauni (Black Rice check) and Local check. The trial was sent to 34 locations across I, II, III, IV, V, VI and VII zones, and the data was received from all the locations except New Delhi and Arundhutinagar. Trial failed at CAU Imphal and Brahmavar. The range of various parameters across the zones is presented in the following table.

Zones	I	II	III	IV	V	VI	VII
Zonal mean (kg/ha)	1261 (33887) to 6577 (32025)	1455 (33902) to 5139 (28664)	3455 (33886) to 5654 (28664)	1818 (33902) to 7084 (32896)	1526 (Kavuni) to 7025 (33905)	2385 (33885) to 5550 (33899)	3142 (Choharto) to 5030 (33909)
Exp Mean (kg/ha)	3887 (LPP)	2694 (LDN) to 3705 (CHT)	3284 (JYP) to 6362 (CHN)	4302 (TTB)	3937 (RPR)	3750 (KJT) to 3892 (NVS)	2829 (PNP) to 5178 (KMP)
CV%	22.97 (LPP)	8.6 (LDN) to 14.21 (CHT)	3.98 (PSA) to 16.48 (JYP)	9.04 (TTB)	9.18 (RPR)	13.12 (NVS) to 15.76 (KJT)	4.24 (PNP) to 14.44 (WGL)
DFP	87 (33899) to 120 (Kavuni)	92 (LC) to 131 (33902)	90 (Choharto) to 122 (33891)	93 (33899) to 126 (31139)	81 (Choharto) to 137 (33891)	81 (Choharto) to 119 (33885)	88 (Choharto) to 114 (33886)
PH (cm)	88 (33879) to 145 (33907)	84 (Choharto) to 139 (31142)	87 (Choharto) to 171 (31142)	100 (Choharto) to 167 (33907)	94 (33890) to 159 (33905)	98 (Jyothi) to 166 (33905)	86 (Jyothi) to 133 (Kavuni)
Pan/m ²	138 (33905) to 223 (32896)	154 (33883) to 320 (33909)	230 (33886) to 290 (33904)	228 (Choharto) to 412 (33882)	155 (33898) to 227 (31139)	149 (33891) to 255 (33909)	309 (33885) to 388 (33901)
DNI (@)	ALM (1861 kg/ha) (low experimental mean yield)	KUL (2355 kg/ha) (low experimental mean yield)	--	--	--	NWG (2351 kg/ha) (low experimental mean yield)	--
Locations considered	1	2	11	1	1	2	9

@DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

Among the six entries that are in second year of testing, three entries (IETs 28664, 32025 and 32896) recorded required significant yield superiority and their performance is presented in the table. Among the 31 entries in the first year of testing, seven entries (IETs 33888, 33898, 33899, 33903, 33904, 33905 and 33908) recorded required significant yield superiority.

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**Performance of the entries with required significant yield superiority over checks in
AVT 1 & IVT – Coloured Rice during kharif 2025**

S. No	IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank							Grain quality (GT/HRR/AC/GC/ASV & Remarks
		I	II	III	IV	V	VI	VII	
Entries in second year of testing									
1	28664 (MSN-104) RP 5373-MSN 7-2/Sampada/IRGC 39111	--	5139 (1) *	5654 (1)*	--	--	--	--	SB, 63.8, 27.8, 56, 4.0 Promoted in zones II and III.
2	32025 (NVS 657) NVSR 303-14 / IET19347	--	4572 (3)*	--	--	--	--	--	LB, 65.4, 20.1, 48, 4.0. Promoted in Zone II.
3	32896 (ORR 1819) OR2633-7-3-7-1/Machhakanta-Selection-1	--	--	5334 (3)*	7084 (1)*	5819 (4)*	--	--	SB, 53.4, 27.92, 53, 4.0 Promoted in zones III, IV, V
Entries in first year of testing									
1	33888 (ORR 1830) MTU 1010XORR 1809-6	--	--	5223 (4)*	--	5634 (5)*	--	--	Promoted in Zones III and V
2	33898 (HRH25920 (PVT))	--	--	--	--	5291 (7)*	--	--	Promoted in Zone V
3	33899 (HRH25921 (PVT))	--	4833 (2)*	--	--	--	--	--	Promoted in Zone II
4	33903 (RP 6792-D45-ZR-4-3-4) DRR Dhan 45 /Zincorice	--	--	--	--	6030 (3)*	--	--	Promoted in Zone V
5	33904 (RP 6794-D45-ZR-26) Zincorice/Edavankudi Pokkali	--	--	--	--	6110 (2)*	--	--	Promoted in Zone V
6	33905 (ORJ 1391) Pureline selection from Jeypore local 3	--	--	--	--	7095 (1)*	--	--	Promoted in Zone V
7	33908 (DBM8-1) DRR Dhan 39/Binadhan11	--	--	5373 (2)*	--	5520 (6)*	--	--	Promoted in Zones III and V
	Choharto (Red rice check)	1712	1720	3514	1859	2209	3967	3142	
	Jyothi (Matta Red Rice Check)	5315	2698	4532	5205	4171	3673	3310	
	Kauni (Black Rice Check)	--	--	3691	2862	1526	3249	3684	
	LC	6306	4026	4826	5582	4479	4949	4998	
	CD	1451	529	221	632	587	672	251	
	BC+CD	7757	4555	5047	6214	5066	5621	5249	

Entries promoted

Zones	AVT 1 CR to AVT 2 CR (3)	IVT CR to AVT 1 CR (7)
Zone I:	None	None
Zone II:	IET 28664 and IET 32025	IET 33899
Zone III:	IET 28664 and IET 32896	IET 33888 and IET 33908
Zone IV:	IET 32896	None
Zone V:	IET 32896	IETs 33888, 33898, 33903, 33904, 33905 and 33908
Zone VI	None	None
Zone VII	None	None

Table No. 24.1: Composition of entries in Advance Varietal Trial 1 & Initial Variety Trial – Coloured Rice (AVT 1 & IVT – CR), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	GT
5601	28664	MSN-104	RP 5373-MSN 7-2/Sampada/IRGC 39111	SB
5602	32025	NVSR 657	NVSR 303-14 / IET19347	LB
5603	32896	ORR 1819	OR2633-7-3-7-1/Machhakanta-Selection-1	SB
5604	33879	BKR 526	Birsa Gora 102 x BPT 5204	MB
5605	33880	BPT 3548 (Red)	MTU 7029/IRGL 18195/MTU 1081	NS
5606	33881	BPT 3576 (BLACK)	BPT 5204/ BPT 2841	MS
5607	Choharto (Red Rice Check)			
5608	33882	BPT 3729 (Black)	MTU 7029/IRGC 18195/MTU 1081	MS
5609	33883	BPT 3581 (Black)	MTU 7029/IRGC 18195/MTU 1081	LS
5610	33884	BPT 3460 (Red)	Cult.01120305/Cult.0910025-7	MS
5611	33885	BPT 3750 (BLACK)	MTU 7029/IRGC 18195/MTU 1081	MS
5612	33886	BPT 3749 (Red)	MTU 7029/IRGC 18195/MTU 1081	MS
5613	33887	BPT 3270	RP Bio 226/IRGC 23385// Nidhi/MTU 1081	LS
5614	33888	ORR 1830	MTU 1010XORR 1809-6	LS
5615	33889	ORR 1828	ORR 1808-9XLalat	MS
5616	33890	KR 22008	ADT 45/Nonabokra	SB
5617	31139(R)	BPT 3263 (R)	MTU 7029/IRGC 18195/MTU 1081	MS
5618	33891	ADKKV 200001	Selection from Local material Karppu kavuni	MB
5619	33892	OR ABT 39	ORJ 1161/Kandhamal local	LS
5620	33893	OR ABT 32	Kandhamal local/MTU 1010	LS
5621	Jyothi (Matta Red Rice Check)			
5622	33894	CRAC-6465-3	Doubled Haploid of A42xN22	MB
5623	33895	CRAC-6465-6	Doubled Haploid of A42xN22	MS
5624	31142(R)	BPT 3269 (R)	RP Bio 226/IRGC 23385//Nidhi/MTU 1081	LS
5625	33896	CR4616-2-26-19-6-3-12-7-2-9	RPBIO226/IHRY-MS-331	LS
5626	33897	CR4616-35-42-7-8-1--13-7-3-1	RPBIO226/IHRY-MS-331	LS
5627	33898	HRH25920 (PVT)		LB
5628	33899	HRH25921 (PVT)		SB
5629	Kauni (Black Rice Check)			
5630	33900	RP6166-M273	MTU1010/O.rufipogan IC309814	LS
5631	33901	RP 6839-MK-MT-27	MTU1010/Karuppunel-138-3//MTU1010	LS
5632	32019(R)	BPT 3148 (R)	RP Bio 226/IRGC 23385//Nidhi/MTU 1081	LB
5633	33902	RP 6615-MK-1274-3-2	MTU 1010/Karuppanel	LS
5634	33903	RP 6792-D45-ZR-4-3-4	DRR Dhan 45/Zincorice	LS
5635	33904	RP 6794-D45-ZR-26	Zincorice/Edavankudi Pokkali	LS
5636	33905	ORJ 1391	Pureline selection from Jeypore local 3	LS
5637	33906	ORJ 1392	Pureline selection from Jeypore local 8	LS
5638	33907	ORJ 1393	Pureline selection from Jeypore local 2	LS
5639	33908	DBM8-1	DRR Dhan 39/Binadhan11	SB
5640	33909	DBN 11-4	SN96/Dhanrasi	LS
5641	Local Check			

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Table No. 24.2: Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE I - HILLS		ZONE II - NORTHERN			ZONE II -		ZONE III - EASTERN			
		Manipur		Jammu & Kashmir		Punjab	NORTHERN (2)		Bihar			
		Lamphelpat		Chata		Ludhiana	Mean		Bikramganj (Dhangain)		Pusa	
5601	28664	5135	9	6300	1*	3979	4	5139	1*	5174	3	4798
5602	32025	6577	1	6267	2*	2878	10	4572	3*	3050		4762
5603	32896	4234		5683	4*	2296		3990	5	4131		4893
5604	33879	6036	3	4367	5	2646		3506	9	3292		4667
5605	33880	3604				1667		1667		2853		4607
5606	33881	1532				2122		2122		3364		4400
5607	Choharto (Red Rice Check)	1712				1720		1720		3057		4589
5608	33882	3784				2466		2466		5529	2	4292
5609	33883	3243				2381		2381		3980		4536
5610	33884									3216		4465
5611	33885									2940		4244
5612	33886											4370
5613	33887	1261								4021		4835
5614	33888	3694				2058		2058				4929
5615	33889	2432		3000				3000		4082		4420
5616	33890	4324				3233	8	3233	10	2332		4783
5617	31139(R)			2617				2617				4845
5618	33891											4485
5619	33892	4144				1455		1455		4554	6	4964
5620	33893	5405	4	3467	8	1735		2601		3700		4873
5621	Jyothi (Matta Red Rice Check)	5315	6	3000		2397		2698		4259	8	4340
5622	33894	3514		3633	6	2090		2862		3416		4821
5623	33895	3333		3067		2185		2626		3016		4769
5624	31142(R)	1982		3050		2656		2853		2850		4935
5625	33896	3784				3000	9	3000		3129		4738
5626	33897	2523		3367	9	3910	5	3638	8	3416		4369
5627	33898	3964		2967		4698	1	3833	6	3742		4525
5628	33899	5315	6	5767	3*	3899	6	4833	2*	2789		4988
5629	Kaumi (Black Rice Check)									2714		4863
5630	33900	4595	10	3267		2095		2681		3658		4676
5631	33901	4595		2500		2772		2636		4006		4190
5632	32019(R)	4414								4743	4	4510
5633	33902	2613				1455		1455		3666		4429
5634	33903	5225	8	2967		2725		2846		4233	9	4746
5635	33904	3784		3367	9	1365		2366		4233	10	4754
5636	33905	2523								2948		4607
5637	33906	3514								2865		4139
5638	33907	1892								2808		4325
5639	33908	4324		2600		3307	7	2953		4656	5	4905
5640	33909	5405	4	3017		4413	3	3715	7	4520	7	4340
5641	LC	6306	2	3533	7	4519	2	4026	4	5646	1	4893
Experimental Mean		3887		3705		2694		2953		3692		4625
CD(0.05)		1451		869		379		529		761		299
CV(%)		22.91		14.21		8.6		10.97		12.66		3.98
F val		7.23**		16.05**		51.03**		24.82**		9.25**		5.14**
DOS		11-07-2025		16-06-2025		19-06-2025				27-06-2025		20-06-2025
DOP		07-08-2025		14-07-2025		20-07-2025				06-08-2025		17-07-2025
Local Check Name		RC Manichakhao 1		Ratta Ranjah		PR126				Sabour Sona		Kalanamak

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Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar (2)		Jharkhand		Odisha							
		Mean		Ranchi		Bhubaneswar		Cuttack		Jeypore		Chiplima	
5601	28664	4986	2	5453	2*	5357	7	4476		5741	1*	6543	
5602	32025	3906		5230	4*	4960	9	3323		3907		7545	1
5603	32896	4512	9	5477	1*	5516	4	5341	3	5344	3*	7149	7
5604	33879	3979		3413		2698		2618		4348	6*	7291	3
5605	33880	3730		4187		3571		2501		3671		5770	
5606	33881	3882		3877		2725		2915		1975		6939	
5607	Choharto (Red Rice Check)	3823		3180		1217				2397		4886	
5608	33882	4910	4	3567		3783		3830		2483		7365	2
5609	33883	4258		3517		2910		3830		2548		5028	
5610	33884	3841		3310		3161		2809		1818		6815	
5611	33885	3592		3593		4180		3780		2831		6289	
5612	33886	4370		3543		2910		4180		1879		7069	8
5613	33887	4428		3723		3810		4706	7	1633		6895	
5614	33888	4929	3	5330	3*	4775		5685	1	3141		6116	
5615	33889	4251		4387	10	2725		5009	5	4126	*	6982	10
5616	33890	3558		4283		3519		4247		1621		7168	4
5617	31139(R)	4845	5	3720		3254		2583		1976		6735	
5618	33891	4485		4003		2937		2573		2110		6994	9
5619	33892	4759	7	3443		7870	1*	4030		4126	10*	5554	
5620	33893	4286		3673		7222	2*	4086		2892		4137	
5621	Jyothi (Matta Red Rice Check)	4300		3420		4841	10	2860		2065		6759	
5622	33894	4119		4540	8	1971		3090		3443		4212	
5623	33895	3892		3723		2923		3630		2673		4978	
5624	31142(R)	3892		3367		2579		3183		4036		5553	
5625	33896	3934		4797	6	4392		5440	2	4170	9*	5807	
5626	33897	3893		4770	7	6640	3*	4697	8	3479		5547	
5627	33898	4133		4540	8	5503	5	3007		3341		5974	
5628	33899	3889		4233		5357	7	3353		5443	2*	4793	
5629	Kauni (Black Rice Check)	3788		3440		2923		4537	9	2409		4212	
5630	33900	4167		5050	5*	3333		3294		3369		5176	
5631	33901	4098		3773		3386		4470		4301	7*	5553	
5632	32019(R)	4626	8	3237		3849		3734		2412		5807	
5633	33902	4047		3417		3095		2614		3022		5547	
5634	33903	4490		3290		4114		4800	6	2459		7168	4
5635	33904	4493	10	4333		4180		3614		2976		6735	
5636	33905	3777		3470		2976		2586		4255	8*	5547	
5637	33906	3502		3647		4696		2707		4735	5*	5974	
5638	33907	3567		3903		3505		3883		3738		6116	
5639	33908	4780	6	4283		5437	6	4493	10	5040	4*	6982	
5640	33909	4430		4223		2857		2950		3520		7168	4
5641	LC	5270	1	4260		3929		5207	4	3178		6735	
Experimental Mean		4205		4015		3941		3767		3284		6137	
CD(0.05)		408		672		691		833		879		941	
CV(%)		5.97		10.3		10.79		13.61		16.48		9.44	
F val		9.29**		7.45**		31.59**		9.62**		12.26**		8.08**	
DOS				01-07-2025		02-07-2025		24-06-2025		03-07-2025		10-07-2025	
DOP				21-07-2025		04-08-2025		13-08-2025		08-08-2025		07-08-2025	
Local Check Name				Sahbhagidhan		Jyotirmayee		Mammy Hunger		Black rice		Black rice	

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Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Odisha (4)		Uttar Pradesh				Uttar Pradesh (2)		West Bengal			
		Mean		Masodha		Varanasi		Mean		Pundibari		chinsurah	
5601	28664	5529	2*	4832	7	7671	1*	6251	1	5231	1*	6917	
5602	32025	4934	7	4433		6847	5	5640	5	4016		6860	
5603	32896	5837	1*	4654		6149	6	5402	7	2522		7503	4
5604	33879	4239		3989		4243		4116		3451		5333	
5605	33880	3878		4570		3702		4136		3700		5887	
5606	33881	3638		3785		5365		4575		4373	6	6923	
5607	Choharto (Red Rice Check)	2833		3715		2565		3140		3333		6197	
5608	33882	4365		4699		5247		4973		4071		6767	
5609	33883	3579		3856		4706		4281		3564		7233	7
5610	33884	3651		4118		2894		3506				6633	
5611	33885	4270		1569		2314		1941				7333	5
5612	33886	4009		1241		711		976				5193	
5613	33887	4261		1441		4259		2850		4787	4*	6667	
5614	33888	4929	8	4521		5718	9	5119		3649		8367	1*
5615	33889	4710		5106	2	4376		4741				7633	3
5616	33890	4138		4907	5	5733	8	5320	8	3913		6543	
5617	31139(R)	3637		4920	4	496		2708				5637	
5618	33891	3653		1170				1170				6833	
5619	33892	5395	4*	4796	8	5435		5116		4969	2*	5780	
5620	33893	4584		5075	3	6024	7	5549	6	2547		5843	
5621	Jyothi (Matta Red Rice Check)	4131		4796	8	7004	4	5900	2	3909		5600	
5622	33894	3179		3759		4863		4311		2573		5177	
5623	33895	3551		4153		5216		4685		3758		5697	
5624	31142(R)	3838		3457		4553		4005		3682		5633	
5625	33896	4952	6	4167		4518		4342		3556		6220	
5626	33897	5091	5	4796	8	5482		5139	10	4249	10	7120	8
5627	33898	4456		3564		3631		3598		2967		6237	
5628	33899	4737	10	3369		3600		3484		3220		6783	
5629	Kauni (Black Rice Check)	3520		1640		3224		2432				6953	
5630	33900	3793		3679		5155		4417		3596		5733	
5631	33901	4428		3191		4011		3601		4076		5290	
5632	32019(R)	3950		3493		4263		3878		4058		7853	2
5633	33902	3570		3901		3505		3703		3689		5450	
5634	33903	4635		4100		7412	3	5756	3	4118		7040	10
5635	33904	4376		4840	6	5514	10	5177	9	4364	7	7310	6
5636	33905	3841		3457		4620		4039		2547		5100	
5637	33906	4528		4588		5310		4949		4533	5	5963	
5638	33907	4311		5235	1	5043		5139		3898		4900	
5639	33908	5488	3*	3723		7639	2*	5681	4	4849	3*	7097	9
5640	33909	4124		3369		5325		4347		4364	7	5610	
5641	LC	4762	9	3457		5475		4466		4336	9	5977	
Experimental Mean		4276		3857		4745		4258		3837		6362	
CD(0.05)		392		794		624		564		408		1182	
CV(%)		5.65		12.66		8.09		8.15		6.52		11.43	
F val		22.73**		14.77**		52.46**		37.14**		22.79**		4.13**	
DOS				27-06-2025		02-07-2025				08-07-2025		25-06-2025	
DOP				04-08-2025		26-07-2025				23-07-2025		30-07-2025	
Local Check Name				Karhani		HUR-1309				Kalawati		Chapakhushi	

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Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN		ZONE III - EASTERN (11)		ZONE IV - NORTH EASTERN		ZONE V - CENTRAL	
		West Bengal (2)				Assam		Chhattisgarh	
		Mean		Mean		Titabar		Raipur	
5601	28664	6074	6	5654	1*	6054	2	4001	
5602	32025	5438		4994	6	5411	7	4268	
5603	32896	5013		5334	3*	7084	1*	5819	4*
5604	33879	4392		4122		3771		2999	
5605	33880	4793		4093		4680		3745	
5606	33881	5648		4240		3741		3486	
5607	Choharto (Red Rice Check)	4765		3514		1859		2209	
5608	33882	5419		4694		3956		3545	
5609	33883	5399		4155		3542		3238	
5610	33884	6633	5	3924		4771		3479	
5611	33885	7333	2	3907		4286		1871	
5612	33886	5193		3455		3744		1905	
5613	33887	5727		4252		4279		3569	
5614	33888	6008	7	5223	4*	5929	3	5634	5*
5615	33889	7633	1	4885	8	5215	8	4521	10
5616	33890	5228		4459		4886		4047	
5617	31139(R)	5637		3796		3690		1834	
5618	33891	6833	4	3888				2047	
5619	33892	5374		5047	5	4562		3889	
5620	33893	4195		4552		4916		3638	
5621	Jyothi (Matta Red Rice Check)	4754		4532		5205	9	4171	
5622	33894	3875		3806		2189		3838	
5623	33895	4727		4049		3758		3898	
5624	31142(R)	4658		3984		3418		3458	
5625	33896	4888		4630		5064		3639	
5626	33897	5684		4961	7	5613	5	4275	
5627	33898	4602		4275		4471		5291	7*
5628	33899	5002		4357		4125		3682	
5629	Kauni (Black Rice Check)	6953	3	3691		2862		1526	
5630	33900	4664		4247		3939		4400	
5631	33901	4683		4204		2808		4764	8
5632	32019(R)	5956	9	4360		4609		3885	
5633	33902	4569		3849		1818		3230	
5634	33903	5579		4862	9	3404		6030	3*
5635	33904	5837	10	4805		4892		6110	2*
5636	33905	3823		3828		2727		7095	1*
5637	33906	5248		4469		3519		3769	
5638	33907	4399		4305		4852		4023	
5639	33908	5973	8	5373	2*	5145	10	5520	6*
5640	33909	4987		4386		5710	4	4581	9
5641	LC	5156		4826	10	5582	6	4479	
Experimental Mean		5335		4390		4302		3937	
CD(0.05)		722		221		632		587	
CV(%)		8.33		3.1		9.04		9.18	
F val		11.5**		44.68**		26.93**		34.67**	
DOS						02-07-2025		20-06-2025	
DOP						24-07-2025		19-07-2025	
Local Check Name						Labanya		Unnat Shrikamal	

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Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN				ZONE VI -		ZONE VII - SOUTHERN						
		Gujarat		Maharashtra		WESTERN (2)		Andhra Pradesh					Andhra Pradesh (3)	
		Navasari		Karjat		Mean		Bapatla		Maruteru		Nellore		Mean
5601	28664	5002	7	5924	1	5463	2	4194		4701		3384		4093
5602	32025	4168		4013		4090		5128	7	4748		4675	*	4850
5603	32896	5630	2*	4209		4920	6	5133	6	5128		5577	1*	5280
5604	33879	3225		3548		3386		3106		3656		3131		3298
5605	33880	2716		3383		3050		4506		5413		4603	*	4841
5606	33881	3296		3441		3369		5083	8	4606		4329		4673
5607	Choharto (Red Rice Check)	3045		4889		3967		3872		3846		3153		3624
5608	33882	2705		3914		3310		5300	4	5983	10	5527	2*	5603
5609	33883	2694		2702		2698		4928	10	6078	9	4394		5133
5610	33884	2926		3057		2991		3839		3561		4776	8*	4059
5611	33885	2645		2125		2385		5291	5	4226				4758
5612	33886	2637				2637		3588		5366		5455	3*	4803
5613	33887	4673	9	5780	2	5226	3	5350	2	3989		5296	4*	4878
5614	33888	5387	5	3249		4318	9	4314		4558		4661	*	4511
5615	33889	5440	4	2098		3769		4511		4986		3759		4418
5616	33890	3618		5698	3	4658	8	3248		5840		3874		4321
5617	31139(R)	3517		2175		2846		4178		5033		3398		4203
5618	33891	2675				2675		5063	9	4986		3456		4502
5619	33892	4190		3325		3757		4147		4701		4343		4397
5620	33893	3045		3009		3027		2833		6458	2	4228		4506
5621	Jyothi (Matta Red Rice Check)	3797		3549		3673		2703		3609		4134		3482
5622	33894	3827		1982		2905		3224		3846		3218		3429
5623	33895	4418		2252		3335		3472		4748		3175		3798
5624	31142(R)	3614		2643		3128		3486		3846		3211		3514
5625	33896	4583		5155	8	4869	7	5321	3	6173	6	4069		5188
5626	33897	3913		4215		4064		4697		5983		4192		4957
5627	33898	5537	3*	2794		4166		3099		5033		5260	5*	4464
5628	33899	5660	1*	5439	5	5550	1	3538		5556		4978	6*	4691
5629	Kaumi (Black Rice Check)	4022		2477		3249		2891		6173	6	4177		4414
5630	33900	3749		3472		3610		4351		5081		4935	7*	4789
5631	33901	4590		5276	6	4933	5	3289		5128		4307		4242
5632	32019(R)	4560		3136		3848		5484	1	5413		3038		4645
5633	33902	2671		5502	4	4087		4163		6315	5	4091		4857
5634	33903	3300		5114	9	4207		3282		6173	6	3175		4210
5635	33904	3401		5064	10	4232		3924		4274		3701		3966
5636	33905	3270		3016		3143		3074		5556		4654	*	4428
5637	33906	4003		4043		4023		2683		7123	1*	3218		4341
5638	33907	2720		2657		2688		2644		4606		4733	9*	3994
5639	33908	5092	6	3423		4257	10	4485		6410	4	4076		4991
5640	33909	4953	8	3265		4109		3307		5508		4675	10*	4497
5641	LC	4650	10	5249	7	4949	4	4833		6458	2			5645
Experimental Mean		3892		3750		3794		4038		5143		4180		4471
CD(0.05)		830		961		672		959		580		294		388
CV(%)		13.12		15.76		10.9		14.62		6.94		4.32		5.35
F val		10.51**		11.97**		12.1**		6.67**		19.86**		51.89**		16.22**
DOS		07-07-2025		21-06-2025				18-07-2025		06-07-2025				
DOP		29-07-2025		16-07-2025						31-07-2025				
Local Check Name		GR-26		Ratnagiri 7				BPT 2841						

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Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Karnataka		Kerala				Kerala (2)		Telangana	
		Ponnampet		Pattambi		Monocompu		Mean		Kampasagar	
5601	28664	2922		4472		6983	3*	5728	4*	7200	1*
5602	32025	2761		4573		5044	10	4809	10	5522	
5603	32896	4378	5	4019		4856		4437		5233	
5604	33879	1967		3815		5422	5	4618		5017	
5605	33880	2083		4748		2922		3835		5906	9
5606	33881	2339		3995		1672		2833		4222	
5607	Choharto (Red Rice Check)	883		5104	6	983		3044		4078	
5608	33882	2850		4719		2272		3496		5333	
5609	33883	2011		3763		1783		2773		5644	
5610	33884	3206		4714		2822		3768		4244	
5611	33885	2089		4846	9	4367		4606		5528	
5612	33886	1956		5101	7	5100	9	5100	6	4267	
5613	33887	2861		4565		3150		3858		5778	
5614	33888	4722	4	5203	4	3794		4499		6428	5*
5615	33889	2989		4299		2317		3308		5528	
5616	33890	2672		5379	2	6544	4*	5962	3*	5522	
5617	31139(R)	3622	8	5222	3	5233	7	5228	5	4094	
5618	33891	2239		4301		5278	6	4789		3811	
5619	33892	4894	2	5934	1	7183	2*	6559	1*	5350	
5620	33893	3383	10	4018		4544		4281		5689	
5621	Jyothi (Matta Red Rice Check)	2528		4256		1906		3081		5083	
5622	33894	3722	6	4613		4044		4329		3872	
5623	33895	2506		3630		4567		4098		4572	
5624	31142(R)	1972		3670		2372		3021		6194	7*
5625	33896	2828		4671		2633		3652		6900	3*
5626	33897	3211		5015	8	4883		4949	8	5661	
5627	33898	1628		4841	10	5122	8	4981	7	5144	
5628	33899	2722		3721		1522		2622		4928	
5629	Kaumi (Black Rice Check)	1933		4820		2017		3418		3722	
5630	33900	3694	7	4292		2256		3274		5506	
5631	33901	3400	9	4744		1889		3316		6100	8
5632	32019(R)	2572		4330		3539		3934		4067	
5633	33902	2417		5159	5	1056		3107		3600	
5634	33903	1767		4185		4722		4453		4083	
5635	33904	2378		4247		4117		4182		6533	4*
5636	33905	1617		3785		2483		3134		3333	
5637	33906	2428		4774		4167		4470		5800	10
5638	33907	2461		4840		2178		3509		5028	
5639	33908	4789	3	4510		4717		4613		6967	2*
5640	33909	3028		3985		8617	1*	6301	2*	6378	6*
5641	LC	5561	1	4819		5000		4909	9	4411	
Experimental Mean		2829		4529		3807		4168		5178	
CD(0.05)		195		883		696		516		1052	
CV(%)		4.24		12		11.25		7.62		12.5	
F val		202.82**		2.81**		52.34**		28.25**		7.1**	
DOS		25-07-2025		26-06-2025		26-06-2025				23-07-2025	
DOP		23-08-2025		18-07-2025		18-07-2025				27-08-2025	
Local Check Name		Kempu Mukti		Uma		MO-16 (Uma)				Shyamala	

Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN						ZONE VII - SOUTHERN (9)	
		Telangana		Telangana (2)		Tamil Nadu			
		Warangal		Mean		Adutrai		Mean	
5601	28664	6724	1*	6962	1*	3602		4909	6
5602	32025	4192		4857		3522		4463	
5603	32896	5907	8*	5570	9*	4301		4948	4
5604	33879	2315		3666		3280		3523	
5605	33880	5973	6*	5939	5*	3790		4438	
5606	33881	3559		3890		3898		3745	
5607	Choharto (Red Rice Check)	2204		3141		4153		3142	
5608	33882	4931		5132	*	4489		4600	10
5609	33883	4958		5301	*	4180		4193	
5610	33884	3312		3778		4301		3864	
5611	33885	2829		4178		4355		4191	
5612	33886	3231		3749		4422		4276	
5613	33887	4348		5063		4610		4439	
5614	33888	3084		4756		5175	3	4660	9
5615	33889	4865		5196	*	3562		4090	
5616	33890	2592		4057		4140		4424	
5617	31139(R)	2375		3235		4207		4152	
5618	33891	2312		3062		4812	9	4029	
5619	33892	3108		4229		4274		4882	7
5620	33893	2784		4236		4758		4299	
5621	Jyothi (Matta Red Rice Check)	2033		3558		3535		3310	
5622	33894	2901		3387		3817		3695	
5623	33895	4243		4408		4355		3919	
5624	31142(R)	2459		4327		4409		3513	
5625	33896	6520	3*	6710	2*	5121	4	4915	5
5626	33897	5970	7*	5816	7*	5484	1	5011	2
5627	33898	3093		4119		5108	6	4259	
5628	33899	5384	10*	5156	*	3320		3963	
5629	Kauni (Black Rice Check)	2414		3068		5013	8	3684	
5630	33900	6126	5*	5816	6*	4113		4484	
5631	33901	6273	4*	6187	4*	3656		4310	
5632	32019(R)	5511	9*	4789		4785	10	4304	
5633	33902	5378	*	4489		3616		3977	
5634	33903	2550		3316		4543		3831	
5635	33904	6532	2*	6532	3*	4301		4445	
5636	33905	2565		2949		5108	6	3575	
5637	33906	5384	*	5592	8*	5215	2	4532	
5638	33907	2805		3916		4234		3725	
5639	33908	2165		4566		4691		4757	8
5640	33909	4649		5513	10*	5121	4	5030	1
5641	LC	4279		4345		4624		4998	3
Experimental Mean		4020		4599		4341		4232	
CD(0.05)		943		732		533		251	
CV(%)		14.44		9.8		7.56		3.66	
F val		20.38**		16.85**		9.16**		30.86**	
DOS		10-07-2025				26-08-2025			
DOP		11-08-2025				25-09-2025			
Local Check Name		RNR-15459				ADT 51			

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Table No. 24.2 (Contd.): Grain Yield (kg/ha) in AVT 1 & IVT – CR, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE I - HILLS		ZONE II - NORTHERN		ZONE VI - WESTERN	
		Uttarakhand		Haryana		Gujarat	
		@Almora		@Kaul		@Nawagam	
5601	28664	3264	6	2900		2425	
5602	32025	1759	8	2567		2188	
5603	32896			2267		1712	
5604	33879	1134		2600		2106	
5605	33880			2233		2085	
5606	33881			1300		2317	
5607	Choharto (Red Rice Check)			2267		1345	
5608	33882			2100		3290	5
5609	33883			2200		2841	
5610	33884			1867		1717	
5611	33885					1515	
5612	33886					1686	
5613	33887			1867		2102	
5614	33888			1067		2904	10
5615	33889					2468	
5616	33890	1725	9	3000	9	1626	
5617	31139(R)					1620	
5618	33891					1509	
5619	33892	1204		2167		2090	
5620	33893	3600	3	967		1658	
5621	Jyothi (Matta Red Rice Check)	3634	2	2567		1674	
5622	33894			3100	4	4097	1
5623	33895	1447	10	3400	2	1919	
5624	31142(R)			3067	7	2313	
5625	33896			1733		1718	
5626	33897			3100	4	2282	
5627	33898	3438	4	3100	4	2159	
5628	33899	3368	5	3133	3	1724	
5629	Kauni (Black Rice Check)					3054	9
5630	33900	926		3067	7	2380	
5631	33901	2025	7	1233		3144	7
5632	32019(R)					3125	8
5633	33902			900		1780	
5634	33903	637		2167		3160	6
5635	33904	521		2267		3883	2
5636	33905	336				3351	4
5637	33906					2275	
5638	33907	787				2513	
5639	33908	810		2067		2431	
5640	33909	1042		2967	10	3709	3
5641	LC	3699	1	3767	1	2485	
Experimental Mean		1861		2355		2351	
CD(0.05)		587		408		219	
CV(%)		19.06		10.62		5.73	
F val		35.61**		26.92**		80.26**	
DOS		20-06-2025		21-06-2025		18-07-2025	
DOP		22-07-2025		31-07-2025		28-08-2025	
Local Check Name		VLD 69					

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Table No. 24.3: Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE I - HILLS			ZONE II - NORTHERN						ZONE II - NORTHERN (2)			ZONE III - EASTERN		
		Manipur			Jammu & Kashmir			Punjab						Bihar		
		Lamphelpat			Chata			Ludhiana			Mean			Bikramganj (Dhangain)		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5601	28664	96	118	151	107	113	232	109	116	172	108	115	202	107	128	259
5602	32025	96	108	187	109	99	226	106	111	152	108	105	189	102	112	276
5603	32896	101	122	223	112	111	200	118	111	167	115	111	184	115	138	325
5604	33879	89	88	222	97	92	237	103	88	220	100	90	229	108	110	263
5605	33880	96	99	159				114	100	198	114	100	198	113	119	293
5606	33881	97	125	139				114	124	194	114	124	194	107	139	242
5607	Choharto (Red Rice Check)	95	90	221				95	84	257	95	84	257	91	95	351
5608	33882	97	115	162				114	115	192	114	115	192	100	116	272
5609	33883	87	132	162				106	128	154	106	128	154	100	150	265
5610	33884	115												117	141	346
5611	33885	113												88	113	313
5612	33886	114														
5613	33887	89	110	161										105	106	242
5614	33888	88	101	177				116	91	176	116	91	176			
5615	33889	114	122	215	110	102	292				110	102	292	106	166	309
5616	33890	97	88	183				102	89	198	102	89	198	92	102	283
5617	31139(R)	98			98	97	274				98	97	274			
5618	33891	111														
5619	33892	92	104	156				113	97	187	113	97	187	115	99	248
5620	33893	88	101	153	107	99	252	109	90	155	108	95	204	93	116	261
5621	Jyothi (Matta Red Rice Check)	96	95	162	104	103	233	102	87	216	103	95	225	87	110	273
5622	33894	98	130	181	102	93	292	97	125	207	99	109	250	77	127	261
5623	33895	98	132	179	107	129	273	99	130	203	103	130	238	78	143	333
5624	31142(R)	97	139	164	108	139	304	108	139	170	108	139	237	80	628	321
5625	33896	100	105	189				105	107	216	105	107	216	81	113	260
5626	33897	100	92	188	108	100	292	112	94	229	110	97	260	83	110	310
5627	33898	88	99	171	110	93	324	95	89	156	103	91	240	76	105	241
5628	33899	87	95	165	97	94	264	97	93	180	97	93	222	74	101	217
5629	Kauni (Black Rice Check)	120												82	149	257
5630	33900	98	106	175	106	129	329	105	105	233	106	117	281	77	115	250
5631	33901	88	107	188	102	105	304	98	110	222	100	107	263	68	110	274
5632	32019(R)	101	106	178										94	107	307
5633	33902	97	107	187				131	95	200	131	95	200	93	113	318
5634	33903	98	103	215	111	104	380	109	113	213	110	108	297	65	135	332
5635	33904	97	98	201	111	104	388	109	100	209	110	102	299	88	114	394
5636	33905	96	136	138										72	156	271
5637	33906	97	117	202										79	142	398
5638	33907	91	145	160										66	141	286
5639	33908	96	92	196	116	89	343	118	89	227	117	89	285	70	110	257
5640	33909	91	97	217	97	104	375	104	92	264	101	98	320	64	105	238
5641	LC	104	104	198	93	106	337	91	93	222	92	100	279	98	114	309
Experimental Mean		97	109	180	105	105	293	106	103	199	107	104	234	89	135	287
Standard Error		0.49			0.59			0.96			0.69			0.14		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN														
		Bihar			Bihar (2)			Jharkhand			Odisha					
		Pusa			Mean			Ranchi			Bhubaneswar			Cuttack		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5601	28664	95	95	230	101	111	244	90	117	242	93	110	242	118	120	319
5602	32025	96	97	221	99	104	248	88	109	221	93	118	261	115	102	308
5603	32896	96	102	242	106	120	284	94	126	224	106	127	251	121	129	330
5604	33879	94	85	207	101	98	235	85	90	145	91	100	242	104	93	257
5605	33880	85	87	216	99	103	254	93	98	165	104	105	240	121	201	282
5606	33881	94	105	227	101	122	234	88	121	145	105	128	243	120	116	297
5607	Choharto (Red Rice Check)	94	60	234	93	77	292	74	72	38	77	84	336			
5608	33882	99	102	238	100	109	255	100	110	204	105	126	258	116	134	293
5609	33883	95	105	216	98	128	240	87	123	159	104	131	280	118	131	268
5610	33884	93	97	216	105	119	281	112	95	194	117	119	280	128	135	290
5611	33885	96	99	222	92	106	267	109	95	150	124	118	255	138	125	326
5612	33886	93	88	213	93	88	213	113	89	111	124	111	233	137	122	308
5613	33887	97	95	215	101	100	229	111	103	162	105	124	273	125	126	330
5614	33888	89	94	210	89	94	210	96	101	206	105	115	285	122	113	337
5615	33889	95	105	240	101	136	274	114	112	195	114	151	269	117	140	367
5616	33890	97	76	218	95	89	250	91	89	186	93	99	202	112	96	334
5617	31139(R)	97	126	232	97	126	232	114	122	202	116	147	284	138	121	301
5618	33891	95	115	254	95	115	254	113	131	122	136	174	190	147	152	286
5619	33892	95	86	222	105	92	235	87	111	162	101	110	255	119	113	308
5620	33893	91	86	210	92	101	236	93	110	180	96	104	281	112	107	312
5621	Jyothi (Matta Red Rice Check)	98	86	210	93	98	242	87	100	208	88	97	294	108	100	282
5622	33894	86	101	216	82	114	239	87	120	177	91	129	246	107	138	297
5623	33895	90	115	209	84	129	271	91	128	168	91	138	226	116	133	301
5624	31142(R)	92	122	227	86	375	274	90	134	178	101	138	246	159	151	330
5625	33896	93	93	236	87	103	248	90	107	204	96	104	183	119	106	341
5626	33897	98	78	211	91	94	260	95	95	142	95	95	265	120	100	319
5627	33898	95	91	208	86	98	224	84	90	212	86	95	301	104	95	260
5628	33899	87	93	221	81	97	219	85	91	150	87	96	237	103	95	301
5629	Kauni (Black Rice Check)	94	123	210	88	136	233	103	138	181	101	167	196	118	174	315
5630	33900	84	96	209	81	106	229	87	118	179	90	108	242	112	123	264
5631	33901	85	100	227	76	105	250	84	114	205	87	116	264	110	123	330
5632	32019(R)	92	105	216	93	106	261	104	112	201	114	141	213	121	130	337
5633	33902	91	90	214	92	102	266	95	113	201	105	106	245	122	113	301
5634	33903	86	96	214	76	116	273	88	107	236	102	115	231	119	123	330
5635	33904	93	98	213	91	106	303	91	107	192	97	116	245	124	105	308
5636	33905	94	127	241	83	141	256	103	160	164	101	147	265	108	143	330
5637	33906	92	116	220	86	129	309	100	135	187	106	120	289	126	123	297
5638	33907	86	132	248	76	136	267	102	159	161	101	143	254	112	151	312
5639	33908	86	86	219	78	98	238	97	98	202	101	98	277	117	102	308
5640	33909	100	84	209	82	94	224	85	102	220	87	99	247	109	99	297
5641	LC	97	131	213	97	122	261	84	103	236	85	85	352	121	153	363
Experimental Mean		92	99	221	92	116	252	94	111	180	100	118	255	119	123	309
Standard Error		1.77			0.96			1.31			0.25			3.49		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE III- EASTERN														
		Odisha						Odisha (4)			Uttar Pradesh					
		Jeypore			Chiplima			Mean			Masodha			Varanasi		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5601	28664	109	89	319	88	100	219	102	105	275	110	126	288	95	126	220
5602	32025	98	90	260	86	109	181	98	105	253	108	117	274	94	119	225
5603	32896	117	105	330	84	84	190	107	111	275	124	117	234	104	130	188
5604	33879	116	69	369	83	94	195	99	89	265	106	107	252	93	105	220
5605	33880	114	88	324	82	90	216	105	121	266	110	117	250	103	113	227
5606	33881	117	98	326	97	84	219	110	107	271	114	136	219	92	130	193
5607	Choharto (Red Rice Check)	114	104	398	87	89	182	92	92	305	121	72	172	78	109	275
5608	33882	115	93	284	90	101	220	106	113	264	119	107	188	102	128	223
5609	33883	118	99	306	97	86	258	109	112	278	110	114	225	92	137	206
5610	33884	115	89	318	85	88	257	111	108	286	113	107	288	115	111	238
5611	33885	115	90	220	95	91	244	118	106	262	119	102	220	115	118	225
5612	33886	114	71	210	90	95	224	116	100	244	121	76	207	131	108	171
5613	33887	116	94	199	93	94	240	110	109	261	119	119	221	108	126	186
5614	33888	116	89	234	83	84	202	106	100	264	112	107	219	105	118	205
5615	33889	113	96	261	84	99	178	107	121	269	114	120	233	122	149	191
5616	33890	114	69	308	85	88	227	101	88	268	111	87	244	92	97	224
5617	31139(R)	116	94	300	98	98	219	117	115	276	103	119	242	136	135	190
5618	33891	116	92	240	93	93	210	123	128	231	116	109	219	136	152	201
5619	33892	115	91	334	93	91	193	107	101	273	110	87	225	103	112	166
5620	33893	113	89	315	96	92	233	104	98	285	112	99	194	92	113	135
5621	Jyothi (Matta Red Rice Check)	114	68	333	95	94	214	101	90	281	103	82	216	90	104	201
5622	33894	100	98	350	90	89	219	97	113	278	106	116	222	88	148	184
5623	33895	95	99	337	95	91	256	99	115	280	104	116	221	89	158	237
5624	31142(R)	108	99	328	96	80	278	116	117	296	119	121	235	89	148	191
5625	33896	108	93	338	95	77	309	105	95	293	110	91	249	92	118	216
5626	33897	101	88	427	91	96	225	102	95	309	110	88	245	95	108	238
5627	33898	102	78	333	97	90	206	97	89	275	99	99	255	87	100	142
5628	33899	110	81	345	96	94	214	99	91	274	105	98	226	85	101	167
5629	Kauni (Black Rice Check)	107	118	355	97	88	241	106	137	277	125	99	195	120	144	158
5630	33900	104	89	303	96	98	240	101	104	262	104	99	249	88	112	207
5631	33901	109	81	335	96	80	278	100	100	302	103	110	259	83	119	211
5632	32019(R)	110	87	278	95	77	309	110	109	284	115	107	243	109	131	195
5633	33902	114	92	349	91	96	225	108	102	280	112	102	248	105	114	179
5634	33903	116	89	393	85	88	227	106	103	295	113	100	259	92	126	225
5635	33904	109	88	420	98	98	219	107	102	298	109	95	234	103	114	236
5636	33905	115	96	304	91	96	225	104	120	281	116	127	209	105	174	210
5637	33906	116	95	365	97	90	206	111	107	289	117	117	268	104	125	225
5638	33907	118	93	321	83	84	202	104	118	272	118	121	278	105	172	200
5639	33908	115	83	338	84	99	178	104	96	275	114	78	238	95	105	188
5640	33909	110	84	424	85	88	227	98	92	299	103	88	231	83	101	239
5641	LC	112	102	345	98	98	219	104	109	320	99	88	216	83	104	201
Experimental Mean		111	90	321	91	91	224	106	106	278	111	104	234	99	123	203
Standard Error		0.51			1.7			0.95			0.63			0.47		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN												ZONE III - EASTERN (11)		
		Uttar Pradesh (2)			West Bengal						West Bengal (2)					
		Mean			Pundibari			chinsurah			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5601	28664	103	126	254	117	129	221	113	116	420	115	123	320	103	114	271
5602	32025	101	118	250	93	115	208	108	120	429	101	118	318	98	110	260
5603	32896	114	124	211	107	120	209	124	138	476	115	129	342	108	120	273
5604	33879	100	106	236	89	107	231	115	103	402	102	105	317	99	97	253
5605	33880	106	115	238	105	104	236	122	115	445	113	109	341	105	113	263
5606	33881	103	133	206	92	122	275	112	139	420	102	130	347	104	120	255
5607	Choharto (Red Rice Check)	100	90	223	68	104	212	92	77	389	80	91	301	90	87	259
5608	33882	110	117	205	103	116	221	115	137	447	109	127	334	106	115	259
5609	33883	101	126	215	123	139	210	115	152	439	119	146	324	105	124	257
5610	33884	114	109	263				129	111	431	129	111	431	112	109	286
5611	33885	117	110	222				138	122	456	138	122	456	114	107	263
5612	33886	126	92	189				143	101	396	143	101	396	119	96	230
5613	33887	114	123	203	101	80	336	121	136	405	111	108	370	109	109	255
5614	33888	109	112	212	102	111	225	122	113	462	112	112	344	105	104	259
5615	33889	118	135	212				124	162	445	124	162	445	110	130	269
5616	33890	101	92	234	95	101	240	102	93	421	98	97	330	99	91	262
5617	31139(R)	120	127	216				137	152	393	137	152	393	117	124	263
5618	33891	126	130	210				145	163	412	145	163	412	122	131	237
5619	33892	107	99	195	92	118	253	122	116	379	107	117	316	105	103	250
5620	33893	102	106	165		103	208	110	106	377	110	105	292	101	102	246
5621	Jyothi (Matta Red Rice Check)	97	93	208	90	104	173	104	100	373	97	102	273	97	95	252
5622	33894	97	132	203	91	152	163	97	143	371	94	147	267	93	124	246
5623	33895	96	137	229	93	146	258	108	128	382	101	137	320	95	127	266
5624	31142(R)	104	135	213	94	98	283	113	160	381	103	129	332	104	171	273
5625	33896	101	105	233	89	112	187	109	113	398	99	113	292	98	103	265
5626	33897	102	98	241	91	97	295	112	99	401	102	98	348	99	96	280
5627	33898	93	99	198	71	111	156	97	103	384	84	107	270	91	96	245
5628	33899	95	99	196	93	112	158	97	111	405	95	111	282	93	98	240
5629	Kauni (Black Rice Check)	122	121	176				113	162	431	113	162	431	106	136	254
5630	33900	96	106	228	88	109	186	103	108	369	96	108	278	94	107	245
5631	33901	93	115	235	80	124	255	98	115	366	89	120	310	91	108	273
5632	32019(R)	112	119	219	107	118	296	96	133	511	102	125	403	105	113	282
5633	33902	109	108	214	97	108	207	121	111	376	109	109	292	104	105	260
5634	33903	102	113	242	98	114	283	122	112	409	110	113	346	99	109	285
5635	33904	106	105	235	101	116	297	114	122	434	108	119	366	102	107	290
5636	33905	111	151	210	95	113	128	107	155	390	101	134	259	101	136	249
5637	33906	110	121	246	96	126	235	123	92	376	110	109	306	105	116	279
5638	33907	112	146	239	107	125	196	109	164	375	108	145	285	101	135	258
5639	33908	104	91	213	105	102	244	115	105	409	110	103	327	100	97	260
5640	33909	93	95	235	111	103	319	108	98	501	110	101	410	95	96	287
5641	LC	91	96	208	120	118	220	127	159	404	124	138	312	102	114	280
Experimental Mean		106	114	219	97	114	230	114	123	411	109	121	338	103	112	262
Standard Error		0.37			0.33			0.72			0.48			0.45		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN			ZONE V - CENTRAL			ZONE VI - WESTERN						ZONE VI - WESTERN (2)		
		Assam			Chhattisgarh			Gujarat			Maharashtra					
		Titabar			Raipur			Navasari			Karjat			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5601	28664	102	135	301	99	115	187	88	135	196	99	125	263	94	130	230
5602	32025	97	137	327	100	116	181	87	140	175	99	114	275	93	127	225
5603	32896	108	148	341	96	131	211	94	139	178	114	139	207	104	139	192
5604	33879	99	118	295	93	99	203	92	104	197	102	101	281	97	103	239
5605	33880	103	125	280	98	106	184	91	121	208	107	111	268	99	116	238
5606	33881	99	136	266	102	129	174	95	141	175	105	125	256	100	133	216
5607	Choharto (Red Rice Check)	113	100	228	81	106	166	77	113	147	84	90	254	81	102	200
5608	33882	107	131	412	104	123	182	99	132	218	111	128	285	105	130	252
5609	33883	98	146	286	99	145	177	83	142	161	102	129	280	92	136	220
5610	33884	122	125	351	117	106	214	105	134	217	127	108	246	116	121	231
5611	33885	125	126	284	124	107	184	109	123	164	128	98	244	119	110	204
5612	33886	126	122	252	124	116	192	105	121	211				105	121	211
5613	33887	112	134	260	110	131	184	99	134	171	112	119	261	106	127	216
5614	33888	111	119	358	97	116	187	94	120	184	107	119	297	100	119	240
5615	33889	117	164	351	113	134	209	100	140	166	116	137	235	108	138	200
5616	33890	96	112	249	100	94	190	86	96	145	101	101	289	94	98	217
5617	31139(R)	126	156	333	119	126	227	101	136	204	132	116	252	117	126	228
5618	33891				137	127	182	113	113	149				113	113	149
5619	33892	104	125	322	96	118	182	89	95	170	104	111	266	97	103	218
5620	33893	98	118	238	94	124	184	88	100	141	106	106	280	97	103	211
5621	Jyothi (Matta Red Rice Check)	96	115	286	95	106	201	85	80	143	97	115	284	91	98	214
5622	33894	93	141	294	94	128	204	86	138	135	80	123	258	83	130	196
5623	33895	93	144	309	97	134	211	84	147	183	89	130	252	86	138	218
5624	31142(R)	96	149	297	96	152	164	88	152	165	102	171	263	95	162	214
5625	33896	98	125	296	98	118	194	89	128	164	99	121	246	94	125	205
5626	33897	99	127	299	97	108	215	88	117	184	102	121	266	95	119	225
5627	33898	93	106	327	95	104	155	79	114	208	84	89	271	82	102	239
5628	33899	93	101	293	95	105	181	79	116	168	83	166	291	81	141	230
5629	Kaumi (Black Rice Check)	105	149	249	131	128	166	99	160	163	99	157	254	99	159	209
5630	33900	98	119	327	97	111	194	86	131	205	95	116	276	90	124	241
5631	33901	93	126	310	94	115	195	78	132	166	95	114	294	87	123	230
5632	32019(R)	111	137	326	110	108	173	104	151	167	112	126	250	108	138	208
5633	33902	112	121	322	107	107	167	92	132	167	94	111	261	93	122	214
5634	33903	103	117	349	94	109	195	88	123	203	95	110	288	92	117	246
5635	33904	104	117	340	99	118	197	89	179	168	100	119	260	95	149	214
5636	33905	102	165	252	108	159	176	95	152	205	98	180	295	96	166	250
5637	33906	103	148	335	113	121	182	94	181	181	102	138	261	98	160	221
5638	33907	103	167	243	108	148	169	94	115	125	99	162	255	97	138	190
5639	33908	98	123	305	99	98	209	94	129	213	98	112	262	96	121	238
5640	33909	98	107	303	96	100	208	79	121	214	94	93	296	86	107	255
5641	LC	97	138	307	98	158	203	101	106	186	92	89	273	97	98	230
Experimental Mean		103	130	302	103	119	189	91	128	177	101	121	266	97	125	220
Standard Error		0.68			0.89			0.85			0.86			0.59		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh									Andhra Pradesh (3)			Karnataka		
		Bapatla			Maruteru			Nellore			Mean			Ponnampet		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5601	28664	89	120	285	86	149	297	102	110	380	92	127	321	105	79	255
5602	32025	88	120	304	87	130	299	94	103	433	90	118	346	106	73	277
5603	32896	98	121	319	87	169	339	114	129	400	100	140	352	96	94	233
5604	33879	85	104	293	87	115	282	98	89	377	90	103	317	102	65	255
5605	33880	97	115	311	103	136	306	111	99	517	103	117	378	102	65	266
5606	33881	89	125	317	85	151	277	110	111	425	94	129	340	101	79	233
5607	Choharto (Red Rice Check)	73	121	156	86	88	277	96	109	483	85	106	306	99	74	288
5608	33882	98	127	284	94	155	290	116	115	500	103	132	358	99	82	200
5609	33883	86	127	311	86	158	326	110	125	433	94	137	357	97	78	233
5610	33884	107	100	291	112	139	292	120	103	487	113	114	357	99	67	266
5611	33885	107	116	248	124	142	288				115	129	268	101	69	244
5612	33886	116	105	253	122	140	290	124	112	533	121	119	359	107	71	211
5613	33887	108	113	247	105	151	284	126	111	307	113	125	279	105	74	299
5614	33888	100	106	271	103	137	317	114	107	347	106	117	312	102	66	343
5615	33889	100	125	257	111	175	270	108	101	447	107	134	325	107	67	266
5616	33890	90	88	243	83	105	319	99	111	420	91	101	327	102	58	288
5617	31139(R)	104	121	232	120	128	301	104	109	473	109	119	336	103	90	277
5618	33891	104	133	239	122	142	284	105	100	533	110	125	352	106	102	222
5619	33892	99	92	188	85	140	292	114	128	550	99	120	343	107	76	288
5620	33893	86	85	201	87	119	264	106	102	460	93	102	308	107	70	299
5621	Jyothi (Matta Red Rice Check)	88	84	215	85	90	244	104	83	470	93	86	310	102	71	255
5622	33894	93	130	248	86	128	251	108	79	390	95	112	296	101	78	255
5623	33895	98	110	271	86	136	268	104	114	440	96	120	326	100	76	288
5624	31142(R)	93	131	241	84	171	284	106	113	560	95	138	362	101	93	266
5625	33896	91	118	304	85	136	308	110	130	340	95	128	317	96	69	244
5626	33897	93	95	246	84	130	279	112	106	387	97	111	304	95	56	299
5627	33898	77	79	278	88	102	279	112	99	410	92	93	322	95	66	277
5628	33899	76	84	301	88	101	275	104	95	417	89	93	331	95	66	255
5629	Kauni (Black Rice Check)	87	119	283	84	181	315	104	88	357	92	129	318	95	95	189
5630	33900	81	91	258	84	138	282	96	120	480	87	116	340	100	76	310
5631	33901	73	94	217	86	128	235	95	89	517	85	104	323	101	65	343
5632	32019(R)	100	123	313	104	148	279	98	96	447	101	122	346	102	69	299
5633	33902	88	97	282	103	133	279	112	111	447	101	114	336	94	64	288
5634	33903	81	107	258	84	130	339	108	102	403	91	113	333	95	69	354
5635	33904	97	102	287	85	146	288	104	94	407	95	114	327	93	66	332
5636	33905	91	146	211	105	156	343	104	102	400	100	135	318	102	94	255
5637	33906	88	115	304	88	179	264	94	112	357	90	135	308	96	93	244
5638	33907	90	143	230	84	174	277	92	125	437	89	147	315	94	100	244
5639	33908	92	101	308	85	123	281	90	109	417	89	111	336	97	71	343
5640	33909	79	76	271	83	116	313	108	93	510	90	95	365	102	77	398
5641	LC	91	112	280	92	131	284				92	122	282	99	74	541
Experimental Mean		91	110	264	93	137	289	106	106	438	97	118	328	100	75	281
Standard Error		1.94			0.79			1.36			0.83			0.74		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Kerala						Kerala (2)			Telangana		
		Pattambi			Monocompu			Mean			Kampasagar		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5601	28664	100	111	477	68	116	215	84	113	346	109	106	522
5602	32025	101	105	467	70	120	211	86	112	339	109	107	389
5603	32896	105	115	491	67	106	288	86	110	389	109	120	700
5604	33879	96	95	479	67	119	230	81	107	355	106	93	333
5605	33880	102	111	530	86	114	191	94	112	361	113	88	278
5606	33881	106	131	484	68	115	275	87	123	380	114	87	278
5607	Choharto (Red Rice Check)	103	103	553	51	114	275	77	109	414	101	126	611
5608	33882	106	123	501	86	106	207	96	115	354	120	82	289
5609	33883	108	139	517	68	112	217	88	126	367	111	116	222
5610	33884	101	116	535	91	98	188	96	107	361	113	131	278
5611	33885	104	121	499	91	101	208	97	111	353	115	109	233
5612	33886	102	123	530	104	97	156	103	110	343	117	105	300
5613	33887	98	118	529	90	105	168	94	112	349	111	100	178
5614	33888	104	113	540	67	117	296	86	115	418	112	119	233
5615	33889	99	125	473	86	116	183	93	120	328	105	104	278
5616	33890	104	85	501	67	119	200	86	102	351	106	127	289
5617	31139(R)	97	149	522	93	98	179	95	123	351	115	91	278
5618	33891	102	168	505	105	105	220	103	136	362	112	140	222
5619	33892	104	96	521	68	107	299	86	102	410	107	147	267
5620	33893	112	100	435	71	117	241	92	108	338	104	99	200
5621	Jyothi (Matta Red Rice Check)	104	85	487	67	107	228	86	96	357	104	87	533
5622	33894	101	126	478	67	118	217	84	122	348	105	87	533
5623	33895	100	130	478	67	107	278	83	118	378	107	99	389
5624	31142(R)	102	142	524	71	108	237	86	125	380	118	110	367
5625	33896	104	105	469	68	107	208	86	106	338	108	142	267
5626	33897	101	91	501	85	110	203	93	101	352	119	87	344
5627	33898	102	77	506	67	116	244	84	96	375	101	95	355
5628	33899	105	92	482	68	117	258	86	105	370	100	97	256
5629	Kauni (Black Rice Check)	101	159	550	74	117	252	87	138	401	119	149	233
5630	33900	106	101	489	64	119	256	85	110	372	102	83	489
5631	33901	98	97	462	61	113	343	79	105	402	103	89	734
5632	32019(R)	104	125	490	91	109	194	97	117	342	113	107	445
5633	33902	99	100	519	82	112	248	90	106	384	113	114	467
5634	33903	101	97	482	67	106	291	84	102	386	107	76	389
5635	33904	104	108	535	71	116	276	87	112	405	112	98	478
5636	33905	102	124	557	67	105	245	84	115	401	100	113	467
5637	33906	101	128	472	67	119	201	84	124	336	113	116	422
5638	33907	100	122	477	64	118	321	82	120	399	100	125	355
5639	33908	102	92	504	67	107	242	84	99	373	121	82	356
5640	33909	104	86	504	62	120	289	83	103	396	122	73	456
5641	LC	101	85	473	61	123	283	81	104	378	109	69	433
Experimental Mean		102	112	500	73	111	238	88	112	369	109	104	369
Standard Error		1.01			0.35			0.55			0.74		

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Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII -		
		Telangana			Telangana (2)			Tamil Nadu			SOUTHERN (9)		
		Warangal			Mean			Adutrai			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5601	28664	103	131	428	106	118	475	106	100	219	96	111	344
5602	32025	97	121	409	103	114	399	105	87	217	96	104	339
5603	32896	107	134	428	108	127	564	107	110	314	97	118	382
5604	33879	94	100	418	100	96	376	104	86	189	93	94	326
5605	33880	105	114	437	109	101	358	107	97	214	102	102	347
5606	33881	98	135	424	106	111	351	106	116	228	98	113	331
5607	Choharto (Red Rice Check)	81	83	472	91	104	542	95	95	234	88	97	373
5608	33882	103	129	434	111	105	362	119	105	298	103	112	337
5609	33883	99	135	420	105	126	321	110	132	214	96	121	328
5610	33884	116	112	408	114	122	343	120	114	223	107	107	335
5611	33885	125	111	440	120	110	337	117	110	266	108	106	309
5612	33886	125	108	416	121	106	358	120	103	175	114	104	322
5613	33887	108	123	413	110	112	296	121	109	319	106	109	311
5614	33888	108	108	419	110	113	326	106	106	277	102	106	336
5615	33889	100	140	433	103	122	355	105	128	225	102	118	318
5616	33890	98	93	422	102	110	356	104	96	234	94	96	333
5617	31139(R)	124	131	403	120	111	340	120	96	261	107	109	329
5618	33891	128	150	403	120	145	313	120	101	307	109	123	331
5619	33892	106	97	381	106	122	324	111	84	247	99	103	338
5620	33893	97	103	408	100	101	304	103	82	263	96	95	316
5621	Jyothi (Matta Red Rice Check)	95	102	424	100	95	478	103	82	167	95	86	344
5622	33894	93	144	420	99	116	476	102	120	174	95	111	335
5623	33895	95	145	415	101	122	402	108	135	295	97	113	346
5624	31142(R)	103	153	430	111	131	398	112	109	265	100	123	354
5625	33896	101	122	450	105	132	358	120	104	304	98	111	326
5626	33897	104	113	425	112	100	385	120	103	306	100	96	341
5627	33898	90	92	364	96	93	360	103	82	273	93	88	340
5628	33899	88	93	418	94	95	337	101	85	206	92	92	327
5629	Kauni (Black Rice Check)	98	149	409	108	149	321	106	143	218	96	133	312
5630	33900	91	109	433	96	96	461	105	83	205	93	98	357
5631	33901	90	117	418	97	103	576	103	103	235	91	97	388
5632	32019(R)	102	127	417	108	117	431	113	116	213	101	109	346
5633	33902	98	115	412	106	114	440	105	91	205	98	100	350
5634	33903	106	115	428	107	95	409	104	94	226	95	97	351
5635	33904	102	124	438	107	111	458	105	93	250	97	103	368
5636	33905	92	142	403	96	127	435	100	108	109	96	117	337
5637	33906	106	144	408	110	130	415	111	112	362	97	120	340
5638	33907	91	128	427	96	126	391	106	106	263	90	122	339
5639	33908	101	120	431	111	101	393	106	93	275	96	99	353
5640	33909	96	107	408	109	90	432	103	87	244	95	92	376
5641	LC	96	120	415	102	95	424	102	133	260	93	102	372
Experimental Mean		101	120	419	106	113	395	108	103	243	98	106	341
Standard Error		1.73			0.95			1.22			0.39		

Table No. 24.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m2 in AVT 1 & IVT – CR, Kharif 2025 (Not Considered)

Entry No	IET No	ZONE I - HILLS			ZONE II - NORTHERN			ZONE VI - WESTERN		
		Uttarakhand			Haryana			Gujarat		
		@Almora			@Kaul			@Nawagam		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5601	28664	107	103	201	93	91	234	109	114	279
5602	32025	108	89	166	104	93	199	110	106	277
5603	32896				98	101	186	105	106	272
5604	33879	94	70	173	93	74	198	115	100	276
5605	33880				98	86	185	102	100	277
5606	33881				99	100	156	122	116	278
5607	Choharto (Red Rice Check)				89	73	185	108	89	259
5608	33882				105	93	178	111	106	280
5609	33883				97	118	182	108	118	277
5610	33884				105	77	167	113	106	273
5611	33885							115	107	272
5612	33886							102	88	273
5613	33887				104	87	170	111	95	277
5614	33888				105	84	149	92	94	283
5615	33889							110	125	279
5616	33890	101	65	262	92	81	237	107	103	273
5617	31139(R)							107	98	272
5618	33891							101	122	272
5619	33892	94	83	199	98	71	186	105	103	276
5620	33893	100	84	209	103	79	131	94	104	273
5621	Jyothi (Matta Red Rice Check)	94	83	195	90	83	199	107	95	274
5622	33894				93	106	243	112	122	291
5623	33895	99	109	179	94	102	265	107	119	275
5624	31142(R)				101	113	241	102	119	278
5625	33896				105	85	162	103	94	274
5626	33897				99	94	239	97	84	278
5627	33898	100	76	183	93	83	237	103	89	277
5628	33899	101	81	201	93	82	242	104	81	273
5629	Kauni (Black Rice Check)							104	138	284
5630	33900	106	79	224	94	81	252	97	94	278
5631	33901	87	91	265	97	109	144	101	112	285
5632	32019(R)							102	111	285
5633	33902				105	85	129	102	100	273
5634	33903	110	84	227	96	89	190	102	119	285
5635	33904	111	83	185	94	100	202	114	111	292
5636	33905	108	117	211				101	128	281
5637	33906							102	121	278
5638	33907	113	123	197				99	119	280
5639	33908	115	75	255	104	75	175	102	96	277
5640	33909	98	73	271	93	89	234	105	84	285
5641	LC	91	96	144	93	102	276	102	106	279
Experimental Mean		101	87	207	97	89	199	105	105	277

Table No. 24.4: Grain quality characteristics of entries in AVT 1 & IVT – CR, Kharif 2025

Code	Designation	IET Number	HULL	MILL	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1909	5601	28644	79.0	70.1	63.8	5.56	2.18	2.55	SB	A	4.0	27.8	56
1910	5602	32025	80.9	71.4	65.4	6.46	2.10	3.07	LB	A	4.0	26.81	22
1911	5603	32896	79.5	67.5	53.4	5.70	2.43	2.34	SB	VOC	4.0	27.92	53
1912	5604	31139	78.2	67.3	52.2	5.31	1.79	2.96	MS	VOC	5.0	24.64	76
1913	5605	JYOTHI	79.4	67.7	54.7	6.27	2.36	2.65	LB	VOC	7.0	26.16	59
1914	5606	31142	78.7	68.1	54.9	5.45	1.72	3.16	SS	A	4.0	19.97	61
1915	5607	KAUNI	76.8	64.6	52.0	5.49	2.24	2.45	SB	F	5.0	7.92	99
1916	5608	32019	78.0	67.8	53.6	5.63	1.86	3.02	SS	VOC	5.0	23.93	32
1917	5609	(LC)	77.6	65.1	41.6	4.85	2.30	2.10	SB	VOC	4.0	26.57	44
Breadth(mm) L/B : Length and Breadth(mm) KLAC:Kernal length after cooking WU:Water uptake ER:Elongation ratio AC:Amylose content (%)ASV:Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

**NEAR ISOGENIC LINES (NIL'S) AND GENOME EDITED LINES (GEL'S):
(AVT 2 & 1 NIL'S AND GEL'S TRIAL)**

Locations: 18

Test Entries: 31

Table: 19

Near Isogenic lines (NIL's) and Genome edited lines (GEL's) were evaluated in a separate AVT 2 and 1 trials during Kharif 2025. The NIL's along with their respective recurrent parents were evaluated for yield under regular yield trials in gazette notified and varietal adaptable states and for target traits viz., yield, aroma, herbicide tolerance, drought tolerance, submergence tolerance, coastal salinity tolerance, bacterial leaf blight resistance, blast resistance, sheath blight resistance and gall midge resistance, a separate trial across the hot spot locations across the country were conducted.

The yield trial and target trials data were analysed as per the approved guidelines for testing of NILs during the breeder's group meeting held at 53rd Annual Rice Group Meetings (ARGM) on 13th April 2018 (Draft Proceedings of 53rd ARGM, 2018; Page 45) and 54th Annual Rice Group Meetings (ARGM) on 29th May, 2019 (Draft Proceedings of 54th ARGM, 2019; Page 6, 42-43).

Assessment of NIL and GEL entries tested under AVT 2 & 1 trial

In the AVT 1 & 2 NIL and GEL trials, a total of fifteen NIL entries and five GEL entries were included. Among these, two NIL entries are in their second year of testing, while the remaining entries are in their first year. All entries were evaluated for yield performance in Gazette-notified states and in the adapted areas of their respective recurrent parents (RP).

Near Isogenic Lines (NILs) in the genetic background of Samba Mahsuri (BPT 5204)

Two NIL entries in the genetic background of BPT 5204 viz., IET 32964 (possessing genes resistance to blast, *Pi9*) and IET 30952 (R) (processing QTL *qGN4.1* for yield) were evaluated in Zone VII.

IET 32964 is in second year of testing and recorded at par yield performance over the recurrent parent BPT 5204, evaluated over 12 locations across zone VII. The NIL entry IET 32964 recorded blast resistance reaction (SI 4.4) compared to recurrent parent with SI index of 5.2. Quality wise, it showed high HRR (67.6%), long bold grains, high AC (28.13%) and GC of 51. Due to unacceptable quality parameters and grain type difference compared to RP (Medium Slender grains), ***IET 32964 is discontinued.***

Another NIL entry IET 30952, a repeat entry recorded inferior yield of -8.60% compared to recurrent parent BPT 5204, evaluated over 12 locations across zone VII. ***Hence, IET 30952 is dropped.***

Performance of NIL's in the genetic background of Samba Mahsuri during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition (CD:212)			Severity Index (%) from hot spots		Remarks
				RP Yield	NIL Yield	% Over RP	Blast		
							RP	NIL	
32964	Samba Mahsuri (BL)	AN, AP, KA, KE, TS, TN	12	4699	4491	-4.43% At Par	5.2	4.4	Dropped due to grain type difference (LB) and high AC (28.13%) and GC of 51.
30952 (R)	Samba Mahsuri (Yield)		12	4699	4295	-8.60% Inferior	-	-	Dropped due to inferior yield

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Near Isogenic Lines (NILs) in the genetic background of Pusa 44

Two NIL's IET 32046 (R) and IET 29546 (R) in the genetic background of Pusa 44 were evaluated during Kharif 2025. NIL entry IET 32046 (R) a repeat entry in the genetic background of Pusa 44 processing yield QTL *qGN4.1* was evaluated in zone VII. IET 32046 recorded inferior yield of -17.93% compared to recurrent parent BPT 5204, evaluated over 12 locations across zone VII. **Hence, IET 32046 is dropped.**

Performance of the Pusa 44 NIL entry during Kharif 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition (CD:212)			Remarks
				RP Yield	NIL Yield	Over RP	
32046 (Repeat)	Pusa 44 (Yield)	AN, AP, KA, KE, TS, TN	12	5516	4527	-17.93% Inferior	Dropped due to inferior yield compared to RP

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Another NIL entry, IET 29546, a repeat entry developed in the genetic background of Pusa 44 and carrying the low phosphorus tolerance QTL *Pup1*, was evaluated under low P condition. The entry showed yield performance at par with the recurrent parent under normal condition in the previous year of testing. However, low P data were not available during the previous year. In 2025, under low P stress, the entry recorded at par yield compared to the recurrent parent. **As no significant yield advantage was observed, IET 29546 was dropped.**

Performance of NIL IET 29546 in the genetic background of Pusa 44 during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of loc.	Normal condition			Stress condition (Loc: 3; AP, KA, TS)		Remarks
				RP Yield	NIL Yield	% Over RP	Low P condition		
							RP (P 100%)	NIL (P 50%)	
29546	Pusa 44 (Low P Tolerance, <i>Pup 1</i>)	Zone VII AN, AP, KA, KE, TS, TN	12	2025 : @ (2024: 5968)	2025 : @ (2024: 5761)	- (2024: at par)	+2.69 At par	-0.64 At par	Dropped due to on par yield under stress condition

RP: Recurrent Parent; * Plus CD value; # Minus CD value; @ data not available

Near Isogenic Lines (NIL's) in the genetic background of CARI Dhan 5

One NIL entry IET 32984 in the genetic background of CARI Dhan 5 was evaluated in zone VII. The target trait is bacterial leaf blight resistance. IET 32984 recorded superior yield and resistance reaction to bacterial leaf blight with a severity index of 4.8 compared to recurrent parent CARI Dhan 5 with severity index of 5.7. **Hence, IET 32984 found promising for the zone VII.**

Performance of the CARI Dhan 5 NIL entries during Kharif 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition (CD:212)			Severity Index (%) from hot spots		Remarks
				RP Yield	NIL Yield	Over RP	Bacterial leaf blight		
							RP	NIL	
32984	CARI Dhan 5 (BB)	AN, AP, KA, KE, TS, TN	12	5389	5690	+5.59% Superior	5.7	4.8	Promising for the zone VII

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Near Isogenic Line (NIL) in the genetic background of WGL 14 (Warangal Samba)

Two near-isogenic lines (NILs), IET 33837 and IET 33838, developed in the genetic background of WGL 14 (Warangal Samba), were evaluated in zone VII under the AVT 2 & 1 NIL and GEL trials. IET 33837 carries genes conferring resistance to blast (*Pi9+Pipt+Pi1+Pi20*) and gall midge (*Gm4+Gm8*), whereas IET 33838 possesses resistance genes for bacterial leaf blight (*Xa21+xa5+xa8+Xa38*) and gall midge (*Gm4+Gm8*). IET 33837 recorded lower yield and exhibited a susceptible reaction to blast, with a severity score of 5.9 compared to 5.8 in the recurrent parent. Similarly, IET 33838 also showed inferior yield performance compared to the recurrent parent. **Hence, both NILs, IET 33837 and IET 33838 were dropped.**

Performance of the WGL 14 NIL entries during Kharif 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition (CD:212)			Severity Index (%) from hot spots				Remarks	
				RP Yield	NIL Yield	Over RP	Blast		Gall Midge			
							RP	NIL	RP	NIL		
33837	WGL 14 (Blast + Gall Midge)	AN, AP, KA, KE, TS, TN	12	4998	4622	-7.52% Inferior	5.8	5.9	83.3	90	Dropped due to inferior yield and susceptible reaction to blast and gall midge	
								Bacterial leaf blight		Gall Midge		Remarks
								RP	NIL	RP	NIL	
33838	WGL 14 (BLB + Gall Midge)		12	4998	4658	-6.80% Inferior	5.7	3.5	83.3	55	Dropped due to inferior yield and grain type difference (long bold grains) compared to RP (medium slender grains) and susceptible to gall midge	

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Near Isogenic Lines (NIL's) in the genetic background of DRR Dhan 53

One NIL, IET 32980 a repeat entry in the genetic background of DRR Dhan 53 was evaluated in zones III, V, VI and VII. The target trait for NIL IET 32980 are bacterial leaf blight and sheath blight resistance. IET 32980 recorded on par yield in zone III and VII, superior yield performance in zone V and VI compared to recurrent parent, DRR Dhan 53. The entry exhibited comparable resistance reaction to the recurrent parent for bacterial leaf blight (4.6) and resistance reaction to sheath blight, with severity index of 5.0 compared to 6.9 in DRR Dhan 53. **Hence, IET 32980 is promoted to second year of testing.**

Performance of the DRR Dhan 53 NIL entries during Kharif 2025

IET No	Recurrent Parent (RP) and traits	States	No. of loc.	Normal condition			Severity Index (%) from hot spots				Remarks
				RP Yield	NIL Yield	Over RP	Bacterial leaf blight		Sheath blight		
							RP	NIL	RP	NIL	
32980 (Repeat)	DRR Dhan 53 (BB + SB)	Zone III (BI, JH, OD, UP, WB) CD:307	7	4830	5063	+4.82% At Par	4.3	4.6	6.9	5.0	Promoted
		Zone V (CH, MP) CD:525	5	4320	5125	+18.63% Superior					
		Zone VI (GU, MH) CD:367	3	4414	5136	+16.36% Superior					
		Zone VII (AN, AP, KA, KE, TS, TN) CD:212	12	4831	5022	+3.95% At Par					
		Overall (CD:312)	27	4690	5064	+10.21% Superior					

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Near Isogenic Lines (NIL's) in the genetic background of Swarna

A total of two NIL's viz., IET 33839 and IET 33840 are in the genetic background of Swarna. Target trait for both NIL's is sheath blight resistance. IET 33839 and IET 33840 showed inferior yield performance of -10.70% and -10.57% compared to recurrent parent and had resistance reaction of SI index 5.2 and 4.6, respectively for sheath blight resistance compared to recurrent parent with severity index of 7.0. **Hence, IET 33839 and IET 33840 are dropped.**

Performance of NIL's in the genetic background of Swarna during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition (CD:212)			Severity Index (%) from hot spots		Remarks
				RP Yield	NIL Yield	% Over RP	Sheath Blight		
							RP	NIL	
33839	Swarna (Sheath Blight)	Zone VII (AN,	12	5092	4547	-10.7% Inferior	7.0	5.2	Dropped due to inferior yield
33940	Swarna (Sheath Blight)	AP, KA, KE,	12	5092	4554	-10.5% Inferior	7.0	4.6	Dropped due to inferior

		TS, TN)							yield

Near Isogenic Lines (NIL's) in the genetic background of DRR Dhan 50

Two NILs, viz., IET 32981 (R) and IET 33841, were developed in the genetic background of DRR Dhan 50, targeting drought and submergence tolerance. In the submergence trial, both entries were not evaluated; however, under normal and submergence conditions, only IET 32981 was evaluated.

IET 32981 recorded inferior yield under normal condition and superior yield performance under drought stress condition compared to recurrent parent, DRR Dhan 50. **Hence, IET 32981 is dropped.**

IET 33841 recorded yield at par with the recurrent parent under normal conditions but was not evaluated under stress conditions; therefore, it is recommended for **repeat** testing.

Performance of the DRR Dhan 50 NIL entries during Kharif 2025

IET No	Recurrent Parent (RP) and traits	States	No. of loc.	Normal condition (CD:212)			Stress condition (CD:203)			Remarks
				RP Yield	NIL Yield	Over RP	Drought (4 Locations)		Over RP	
							RP	NIL		
32981 (Repeat)	DRR Dhan 50 (Drought)	Zone VII (AN, AP, KA, KE, TS, TN)	12	4766	4359	-8.54% Inferior	1620	2135	+31.79% Superior	Dropped due to inferior yield under normal condition
33841	DRR Dhan 50 (Drought)		12	4766	4657	-2.29% At Par	@	@	@	Repeat

RP: Recurrent Parent; * Plus CD value; # Minus CD value; SUB: Submergence, @: data not available

Near Isogenic Line (NIL) in the genetic background of CO 59

A total of two NIL's viz., IET 32896 and IET 32987 are in the genetic background of CO 59, targeting drought (*qDTY1.1+qDTY2.1*), submergence (*Sub 1*) and salinity (*Saltol*) tolerance.

Both the NIL entries were evaluated under normal condition, where IET 32896 showed at par yield and IET 32987 recorded inferior yield compared to recurrent parent. For target trait, both the NIL's were not evaluated under drought and submergence condition. **Hence, recommended for repeat.**

Performance of NIL's in the genetic background of CO 59 during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition (CD:212)			Target traits						Remarks
				RP Yield	NIL Yield	% Over RP	Drought		Salinity		Submergence		
							RP	NIL	RP	NIL	RP	NIL	
32986	CO 59 (Drought+ Salinity+ Submergence)	Zone VII	12	4952	4797	At Par	@	@	@	@	@	@	Repeat
32987	CO 59 (Drought + Salinity+ Submergence)	(AN, AP, KA, KE, TS, TN)	12	4952	4663	inferior	@	@	@	@	@	@	Repeat

@data not available under stress condition

Near Isogenic Lines (NIL's) in the genetic background of CO 51

Two NILs, viz., IET 32989 and IET 32988, were developed in the genetic background of CO 51 with herbicide tolerance as the target trait. Both entries recorded inferior yield performance, with reductions of -22.7% and -23.6%, respectively, compared to the recurrent parent. **Hence, both IET 32989 and IET 32988 have been dropped.**

Performance of the CO 51 NIL entries during Kharif 2025

IET No	Recurrent Parent (RP) and traits	States	No. of loc.	Normal condition (CD:212)			Herbicide (Loc:2)		Remarks
				RP Yield	NIL Yield	Over RP	RP	NIL	
32989	CO 51 (Herbicide)	Zone VII	12	5090	3931	-22.7% Inferior	0	4275	Dropped due to inferior yield under normal condition
32988	CO 51 (Herbicide)	(AN, AP, KA, KE, TS, TN)	12	5090	3887	-23.6% Inferior	0	4245	Dropped due to inferior yield under normal condition

RP: Recurrent Parent; * Plus CD value; # Minus CD value.

Near Isogenic Lines (NILs) in the genetic background of 28P67

One NIL entry, IET 32990, developed in the genetic background of 28P67 and carrying the bacterial leaf blight resistance gene Xa21, was evaluated across Zones II, III, and V.

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IET 32990, in its second year of testing, exhibited at par yield performance in Zone III and superior yield in Zone V compared to the recurrent parent 28P67. The entry was evaluated across 12 locations spanning Zones III and V. In terms of disease reaction, IET 32990 recorded a lower bacterial leaf blight severity index (SI: 4.3) compared to the recurrent parent (SI: 6.2), indicating improved resistance. **Hence, IET 32990 found promising.**

Performance of NIL's in the genetic background of 28P67 during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition			Severity Index (%) from hot spots		Remarks
				RP Yield	NIL Yield	% Over RP	Bacterial leaf blight		
							RP	NIL	
32990	28P67 (BB, Xa21)	Zone III (BI, JH, OD, UP, WB) CD:307	7	5259	5441	+3.46% At Par	6.2	4.3	Promising
		Zone V (CH, MP) CD:525	5	5398	5967	+10.53% Superior			

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Near Isogenic Lines (NILs) in the genetic background of SAVA 7501

One NIL entry, IET 33994, developed in the genetic background of SAVA 7501 and carrying the bacterial leaf blight resistance gene Xa21, was evaluated in Zone II at two locations, namely Kanpur and Nagina. However, the data from both locations were not considered for analysis due to low experimental mean yield, and hence, no conclusive inference on yield performance could be drawn. In terms of disease reaction, IET 33994 recorded a lower bacterial leaf blight severity index (SI: 4.8) compared to the recurrent parent (SI: 6.2). **Hence, IET 33994 is recommended for repeat.**

Performance of NIL's in the genetic background of SAVA 7501 during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition			Severity Index (%) from hot spots		Remarks
				RP Yield	NIL Yield	% Over RP	Bacterial leaf blight		
							RP	NIL	
33994	SAVA 7501 (BB, <i>Xa21</i>)	Zone II	2	@	@	-	6.2	4.8	Repeat

RP: Recurrent Parent; * Plus CD value; # Minus CD value; @ data not considered.

Near Isogenic Lines (NILs) in the genetic background of 28P68

One NIL entry, IET 33995, developed in the genetic background of 28P68 and possessing genes for resistance to bacterial leaf blight (BB) and brown planthopper (BPH), was evaluated across Zones III and V. IET 33995, in its first year of testing, recorded at par yield performance in both Zones III and V compared to the recurrent parent 28P68. In Zone III, evaluated over 6 locations, the NIL registered a slight yield reduction of -2.13%, while in Zone V, across 5 locations, it showed a moderate yield advantage of 3.53%, though statistically at par in both zones. With respect to pest and disease reaction, IET 33995 exhibited a bacterial leaf blight severity index of 4.9 compared to 5.6 in the recurrent parent. For brown planthopper, the NIL recorded a lower severity index (3.9) compared to the recurrent parent (5.3). ***Due to on par disease reaction to bacterial leaf blight, IET 33995 is dropped.***

Performance of NIL's in the genetic background of 28P68 during 2025

IET No	Recurrent Parent (RP) and traits	States	No. of locations	Normal condition			Severity Index (%) from hot spots				Remarks
				RP Yield	NIL Yield	% Over RP	Bacterial leaf blight		Brown Plant Hopper		
							RP	NIL	RP	NIL	
33995	28P68 (BB+ BPH)	Zone III (BI, JH, OD, UP) CD:307	6	5657	5536	-2.13% At Par	5.6	4.9	5.3	3.9	Dropped due to on par disease reaction to bacterial leaf blight
		Zone V (CH, MP) CD:525	5	5331	5520	+3.53% At Par					

RP: Recurrent Parent; * Plus CD value; # Minus CD value

Disease reaction of the entries to blast disease during Kharif 2025

Entry	NSN1 Leaf Blast- 2025												
	ALM	CBT	GDL	HZB	IIRR	JDP	KHD	KJT	MND	NWG	NLR	PTB	RNC
	USG	UMM	SI										
32964	N	A	N	A	A	N	N	A	A	A	A	N	N
	6	4	4	-	4	5	4	5	9	5	5	4	3
BPT 5204 (RP)	5	4	4	5	3	5	5	5	9	4	6	5	5
33837	5	5	5	9	6	6	4	5	9	5	6	3	5
WGL 14 (RP)	6	5	5	4	-	7	4	3	9	4	5	4	9
HR-12	7	8	8	4	9	4	8	6	9	6	7	9	8
T(N1)	7	-	-	-	7	-	5	-	-	7	6	-	5
Tetep	7	3	3	7	1	5	6	3	3	5	5	4	4

RP: Recurrent Parent; RC: Resistant Check; SI: Severity Index

Disease reaction of the entries to sheath blight disease during Kharif 2025

IET No.	NSN-1 Sheath Blight - 2025																
	ADT	BNK	CHN	CTK	IIRR	KUL	LDN	MNC	MND	MSD	MTU	NDL	NVS	PNT	PTB	RPR	TTB
	SI	VRN	SI														
33839	5	3	5	9	3	5	7	5	9	7	5	7	3	3	5	5	3
33840	3	5	7	9	3	3	7	1	5	5	3	7	3	3	5	3	5
Swarna (RP)	9	3	9	7	9	9	7	5	9	5	-	7	9	9	5	9	5
32980 (R)	3	7	5	9	3	3	7	7	7	5	5	5	3	3	5	3	3
DRR Dhan 53 (RP)	9	3	5	7	9	9	7	5	7	7	9	7	9	7	7	7	5

RP: Recurrent Parent; SI: Severity Index

Disease reaction of the entries to Bacterial leaf blight during Kharif 2025

IET No.	NSN-1 Bacterial blight - 2025																			
	AD	BN	CH	CH	CH	CT	GN	IIR	KJ	KR	LD	MN	MS	MT	NL	NV	NW	PN	PT	RP
	T	K	N	P	T	K	V	R	T	K	N	C	D	U	R	S	G	T	B	R
32984	A	9	3	7	7	1	5	1	5	3	1	3	5	9	7	5	5	5	7	7
CARI Dhan 5	0	3	7	9	5	5	7	7	5	7	7	3	7	9	5	7	5	9	9	5
33838	-	3	-	-	7	-	5	-	-	1	-	0	5	-	-	5	-	-	-	7
WGL 14	5	1	5	9	7	5	7	7	5	5	7	3	5	9	5	5	5	9	7	5
32990	5	1	3	9	5	1	5	1	1	5	3	3	5	7	5	5	5	3	9	7
28P67	7	1	9	9	3	5	7	7	7	5	7	3	5	9	7	7	7	9	9	7
33994	5	3	5	9	7	3	7	1	7	1	3	5	5	7	5	5	5	5	7	7
SAVA 7501	5	5	9	9	7	-	7	7	7	5	7	3	5	9	5	5	7	9	5	7
32980	5	3	5	9	7	-	7	3	5	1	1	1	5	7	7	5	5	3	9	7
DRR Dhan 53	3	3	3	7	7	-	7	1	7	0	1	3	5	7	9	-	5	3	7	7
33995	7	9	5	7	3	3	7	1	3	1	7	1	3	9	5	5	7	5	7	7
28P68	5	3	5	9	5	5	5	3	5	5	7	1	3	9	7	7	7	7	9	7
HR-12	9	9	9	7	9	7	7	7	7	5	7	5	5	9	5	7	5	9	7	7
T(N1)	-	3	7	-	5	5	9	7	-	-	-	5	3	9	-	-	5	9	-	7
Tetep	0	7	7	5	5	7	7	9	5	3	7	0	5	9	3	7	7	9	7	7

RP: Recurrent Parent; SI: Severity Index

Genome Edited Lines- GEL TRIAL

Assessment of GEL entries tested under AVT 2-NIL and GEL trial

Five Genome Edited Lines (GEL) entries were evaluated in the AVT 2–NIL and GEL trial, all in their first year of testing. Among these, IET 33842, developed in the genetic background of MTU 1010, targets yield improvement. The remaining four entries namely IET 33843 and IET 33844 (targeting aroma), and IET 33845 and IET 33846 (targeting yield) were developed in the genetic background of ASD 16.

Genome Edited Lines (GELs) in the genetic background of MTU 1010

One GEL trial entry, IET 33842, is an edited line of MTU 1010 developed through genome editing techniques. The IET 33842, along with its wild parent MTU 1010, was evaluated at twelve locations in zone VII.

The mean grain yield of IET 33842 was 4459 kg/ha, with a range from 4049 kg/ha to 5208 kg/ha. In comparison, its wild parent, MTU 1010, had a mean yield of 4799 kg/ha, ranging from 3657 kg/ha to 6742 kg/ha. IET 33842 demonstrated inferior yield performance (-7.08%) in zone VII, showing yield of +10.72% in Andhra Pradesh, -20.16% in Karnataka, +0.72% in Kerala, -26.76% in Telangana, +1.06% in Tamil Nadu and +5.58% in Andaman and Nicobar Islands compared to its wild parent. Overall, IET 33842 recorded inferior yield of -7.08% compared to the wild parent. **Hence, IET 33842 is dropped.**

Performance of Genome Edited Line entry (IET 33842) and its wild parent (MTU 1010) during Kharif 2025

States	Locations	IET 33842	MTU 1010	CD	% Yield Advantage over its Wild Parent
AP	3	4049	3657	432	+10.72
KA	2	4296	5381	391	-20.16
KE	2	4171	4141	541	+0.72
TS	2	4938	6742	865	-26.76
TN	2	4671	4622	581	+1.06
AN	1	5208	4841	626	+5.58
Mean	12	4459	4799	212	-7.08

Genome Edited Lines (GELs) in the genetic background of ASD 16

Four GEL trial entries, viz., IET 33843 and IET 33844 (targeting aroma), and IET 33845 and IET 33846 (targeting yield), developed using genome editing techniques in the genetic background of ASD 16, were evaluated across twelve locations in Zone VII.

The aroma-targeted entries, IET 33843 and IET 33844, recorded mean grain yields of 4167 kg/ha and 4334 kg/ha, respectively, compared to 4295 kg/ha for the wild parent ASD 16. IET 33843 showed a marginal yield reduction of -2.98%, whereas IET 33844 exhibited a slight yield advantage of +0.91% over the wild parent. Both entries were found to be at par in yield performance. Notably, these lines demonstrated improvement in grain quality, with IET 33843 expressing mild scent (MS) and IET 33844 expressing strong scent (SS), in contrast to the no scent (NS) trait of ASD 16. Considering their enhanced aroma with stable yield performance, **both entries IET 33843 and IET 33844 are promoted.**

Performance of GEL entries IET 33843, IET 33844 and its wild parent ASD 16 during Kharif 2025

States	Locations	IET 33843	ASD 16	CD	% Yield Advantage over its Wild Parent
AP	3	3482	3077	432	+13.16
KA	2	4723	5005	391	-5.63
KE	2	4001	3841	541	4.17
TS	2	3835	5417	865	-29.20
TN	2	4741	4692	581	1.04
AN	1	4960	5516	626	-10.08
Mean	12	4167	4295	212	-2.98
States	Locations	IET 33844	ASD 16	CD	% Yield Advantage over its Wild Parent
AP	3	3332	3077	432	+8.29
KA	2	4449	5005	391	-11.11
KE	2	4688	3841	541	+22.05
TS	2	4942	5417	865	-8.77
TN	2	5336	4692	581	+13.73
AN	1	4177	5516	626	-24.27
Mean	12	4334	4295	212	+0.91

Performance of IET 33843, IET 33844 during Kharif 2025

IET No	Wild Parent and traits	States	No. of loc.	Normal condition (CD:212)			Target Trait		Remarks
				Wild parent Yield	GEL Yield	Over Wild parent	Aroma		
							Wild parent	GEL	
33843	ASD 16 (Aroma)	Zone VII	12	4295	4167	-2.98% At Par	No scent (NS)	Mild Scent (MS)	Promoted
33844	ASD 16 (Aroma)	(AP, KA, KE, TS, TN AN,)	12	4295	4334	+0.91% At par	No scent (NS)	Strong Scent (SS)	Promoted

The yield-targeted entries, IET 33845 and IET 33846, recorded mean grain yields of 4584 kg/ha and 4501 kg/ha, respectively, compared to 4295 kg/ha for ASD 16. IET 33845 demonstrated a clear yield advantage of +6.73% over the wild parent, with notable performance gains observed in Andhra Pradesh (+11.18%), Kerala (+41.47%), and Tamil Nadu (+5.29%), though relatively lower yields were recorded in Karnataka (-5.09%), Telangana (-9.45%), and Andaman & Nicobar Islands (-15.10%). Overall, the entry exhibited consistent superiority across locations and was categorized as superior. ***Hence IET 33845 is promoted.***

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IET 33846 recorded a modest yield advantage of +4.80% over the wild parent, with positive gains observed in Andhra Pradesh (+4.16%), Kerala (+22.75%), and Tamil Nadu (+2.88%). However, marginal yield reductions were noted in Karnataka (-4.42%), Telangana (-1.55%), and the Andaman & Nicobar Islands (-7.92%). Overall, the entry performed at par with the wild parent without any significant yield improvement. **Hence, IET 33846 is dropped.**

Performance of GEL entries IET 33845, IET 33846 and its wild parent ASD 16 during Kharif 2025

States	Locations	IET 33845	ASD 16	CD	% Yield Advantage over its Wild Parent
AP	3	3421	3077	432	+11.18
KA	2	4750	5005	391	-5.09
KE	2	5434	3841	541	+41.47
TS	2	4905	5417	865	-9.45
TN	2	4940	4692	581	+5.29
AN	1	4683	5516	626	-15.10
Mean	12	4584	4295	212	+6.73
States	Locations	IET 33846	ASD 16	CD	% Yield Advantage over its Wild Parent
AP	3	3205	3077	432	+4.16
KA	2	4784	5005	391	-4.42
KE	2	4715	3841	541	+22.75
TS	2	5333	5417	865	-1.55
TN	2	4827	4692	581	+2.88
AN	1	5079	5516	626	-7.92
Mean	12	4501	4295	212	+4.80

Performance of IET 33845, IET 33846 during Kharif 2025

IET No	Wild Parent and traits	States	No. of loc.	Normal condition (CD:212)			Remarks
				Wild parent Yield	GEL Yield	Over Wild parent	
33845	ASD 16 (Yield)	Zone VII (AP, KA, KE, TS, TN, AN,)	12	4295	4584	+6.73% Superior	Promoted
33846	ASD 16 (Yield)		12	4295	4501	+4.80% At par	Dropped due to at par yield compared to wild parent

ADVANCE VARIETAL TRIAL 1 – IRRIGATED DSR (AVT 1 – DSR)

Locations: 35

Test Entries: 17

Checks:	Sahbhagi Dhan (Early), DRRH 4 (Early Hybrid), DRR Dhan 70 (Medium), DRR Dhan 55 (Medium), CR Dhan 702 (Late Hybrid), DRR Dhan 50 (Late), Local check	Table: 26

Advance Variety Trial 1 - DSR (AVT 1 - DSR) was constituted with 17 test entries including checks Sahbhagi Dhan (Early), DRRH 4 (Early Hybrid), DRR Dhan 70 (Medium), DRR Dhan 55 (Medium), CR Dhan 702 (Late Hybrid), DRR Dhan 50 (Late), Local check. The 10 test entries included seven entries in the second year of testing. The trial was sent to 36 locations, data was received from 29 locations and not received from 7 locations (Delhi, Kota, Chiplima, Gorakpur, Derol, Pattambi, Kurumbapet) and 24 locations data was considered for analysis. Data from 5 centres were excluded from analysis viz., Jagadapur, Navsari, Navagam, Adhuthurai and Kurumbapet due to either low (<5%) / high CV (20%) or low experimental yield (<3000Kg/ha) or based on non-significant F Value. Among the centres from which data is included in analysis, location-wise mean grain yield ranged from 3188 kg/ha (Mandya) to 7292 kg/ha (Warangal), while, CV ranged from 2.59% (Pusa) to 15.61% (Raipur).

Zones	II	III	IV	V	VI	VII
Range : Zonal mean (Kg/ha)	1981 (DD50) - 5346 (IET 32917)	3044 (DDRH 4) – 5782 (IET 32918)	2587 (Sahbagi dhan) – 4508 (IET 32944)	1646 (IET 32922) – 6171 (IET 32917)	3081 (Sahbagi dhan) – 4680 (IET 32924)	4058 (Sahbagi dhan) – 6257 (IET 32918)
Exp Mean (Kg/ha)	3565 (NGN) -5402 (LDN)	3530 (SBR) – 5759 (BKG)	3217 (ARD) – 4309 (TTB)	3476 (REW) – 3897 (RPR)	3479 (VYR) - 5411 (VDG)	3188 (MND) - 7292 (WGL)
CV%	6 (LDN) – 13.95 (KRL)	2.59 (PSA) – 10.55 (SBR)	8.48 (TTB) – 9.5 (ARD)	13.6 (REW) – 15.61 (RPR)	8.14 (VYR) – 12.79 (VDG)	6.01 (BRM) – 14.73 (RNR)
DFP	84 (LC) – 118 (DD50)	79 (Sahbagi dhan) – 103 (DD50)	83 (Sahbagi dhan) – 104 (CR Dhan 702)	81 (DD70) - 101 (CR DHAN 702)	81 (IET 32944) – 100 (DR Dhan 702)	80 (Sahbagi dhan) – 101 (DD50)
PH (cm)	73 (IET 32922) – 101 (IET 32944)	95 (IET 32922) – 110 (IET 32917)	93 (IET 32922) – 126 (DD50)	74 (IET 32922) – 107 (IET 32944)	92 (IET 32922) – 118 (CR Dhan 702)	84 (IET 32922) – 101 (LC)
Pan/m ²	169 (DD50) – 336 (LC)	210 (Sahbagi dhan) – 255 (DD50, DD55)	264 (Sahbagi dhan) –558 (CR Dhan 702)	125 (DD50) – 222 (IET 32917)	233 (DD70) – 285 (CD Dhan 702)	309 (DD70) – 340 (IET 62918, 32922)
DNI (Data not included)	-	-		NS –JDP	NS- NVS LEM - NWG	LEM- ADT
Locations considered	4	5	2	2	3	7

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Performance of the entries with required significant yield superiority over checks in AVT1 DSR during *kharif* 2025

IET No / Designation / Cross combination	Zonal performance-Yield (kg/ha); Rank						Grain quality (GT/HRR/AC/GC/ASV & Remarks
	II	III	IV	V	VI	VII	
32917 (H) - BAYR 4409	5346*# (96)	5359*# (87)		6171*# (89)	4227*# (92)	6088*# (91)	MS, 52.3, 24.14, 48, 5 – Promoted in II, III, V, VI and VII
32918 (H) - BAYR 4305		5782*# (89)		4521*# (88)	4257*# (92)	6257*# (87)	LB, 55, 19.44, 43, 4 Promoted in III, V, VI and VII
32922- RP CG- SLK 256-45		4694*# (89)	3746* (88)		4004*# (91)	5427*# (91)	LS, 64.2, 24.75, 67, 4 – Promoted in III, IV, VI and VII
32924 (H) - PAN-2140DS		5112*# (89)	4095*# (91)	5591*# (88)	4680*# (92)	6042*# (92)	LS, 55, 27.72, 41, 7 Promoted in III, IV, Promoted in III, IV, V,VI and VII
32929 (H) - PAN-2423DS		4359*# (86)		4800*# (86)	4072*# (84)		SB, 40, 24.87, 47, 4 – Dropped because of low HRR
32944 (H) - BS 358		4412*# (84)	4508*# (88)	5066*# (83)	4052*# (81)	4897* (87)	MS, 51, 27.1, 43, 4 – Dropped because of low HRR and high AC
32954 - IR 127364-46-2-2- 1-B						5332*# (92)	SS, 55, 27.95, 53, 4 - Dropped because of low HRR and high AC
Early Check (Sahbhagi Dhan)	4389	3452	2587	2565	3081	4058	
Early Hybrid Check (DRRH4)	3600	3044	3595	-	3150	4512	
Medium Check (DD70)	4061	4256	3792	3037	3490	4522	
Medium Check (DD55)	3764	4753	3989	3091	3352	5423	
Late Check (DD50)	1981	4010	3747	1840	3303	4378	
Late Hybrid Check (CR Dhan 702)	2104	4003	3084	1671	4214	4877	
Local Check	4711	4552	3210	4240	3767	5461	
CD	290	239	452	557	399	468	

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List of promising entries in AVT 1 - DSR promoted to AVT 2 - DSR

Overall/Zones	Number of promoted entries	Entries promoted to AVT 2
Zone-II	1	IETs 32917,
Zone III	4	IETs 32917, 32918, 32922, 32924
Zone IV	2	IETs 32922, 32924
Zone-V	3	IETs 32917, 32918, 32924
Zone-VI	4	IETs 32917, 32918, 32922, 32924
Zone VII	4	IETs 32917, 32918, 32922, 32924

Table No. 26.1: Composition of entries in Advance Varietal Trial 1 – Irrigated dry DSR (AVT 1 – DSR), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Zone	GT
5801	32917 (H)	BAYR 4409	Hybrid	II,III,IV, V,VI,VII	MS
5802	32918 (H)	BAYR 4305	Hybrid	II,III,IV, V,VI,VII	LB
5803	32922	RP CG-SLK 256-45	IRRI156/MTU1010	II,III,IV, V,VI,VII	LS
5804	32924 (H)	PAN-2140DS	Hybrid	II,III,IV, V,VI,VII	LS
5805	Irrigated early dry DSR: DRRH 4 (Early Hybrid Check)			II,III,IV, V,VI,VII	MS
5806	32929 (H)	PAN-2423DS	Hybrid	II,III,IV, V,VI,VII	SB
5807	Irrigated medium dry DSR: DRR Dhan 70			II,III,IV, V,VI,VII	MS
5808	Irrigated late dry DSR: CR Dhan 702(late Hybrid Check)			II,III,IV, V,VI,VII	LS
5809	32944 (H)	BS 358	Hybrid	II,III,IV, V,VI,VII	MS
5810	Irrigated early dry DSR: Shabhagidhan			II,III,IV, V,VI,VII	MS
5811	32945	CR 4357-1-1-1-2-2-1	CR 3580-7-3-1-2-1/CR3504-7-2-2-1-1-1	VII	SS
5812	Irrigated late dry DSR: DRR Dhan 50			II,III,IV, V,VI,VII	MS
5813	Irrigated medium dry DSR: DRR Dhan 55			II,III,IV, V,VI,VII	LS
5814	32954	IR 127364-46-2-2-1-B	IR 84899-B-185-10-1-4-1/BPT-5204	VII	LB
5815	32955	IR 143531-83-11-11-38-1-50	DRR Dhan 44/NX3533::IRGC63796	VII	LB
5816	32956	RP 5624-14-2-1	BPT 5204/KMR3R//RNR15048	VII	SB
5817	Local check				

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Table No. 26.2: Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN										ZONE II -	
		Haryana				Haryana (2)		Punjab		Uttar Pradesh		NORTHERN (4)	
		Karnal		Kaul		Mean		Ludhiana		Nagina		Mean	
5801	32917 (H)	4983	4#	5167	1#	5075	1#	6500	1	4734	1*#	5346	1*#
5802	32918 (H)	5520	2*#	3467	6	4493	5#	6254	3	3342	6	4646	3#
5803	32922	5873	1*#	3800	4	4837	2#	4071	10	4264	3*#	4502	5#
5804	32924 (H)	4797	5#	3333	9	4065	7	5417	5	4322	2*#	4467	6#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)			3600	5	3600	9					3600	10
5806	32929 (H)	2067	10#	3300	10	2683		4479	9	3333	7	3295	
5807	DRR Dhan 70 (Irrigated medium dry DSR)	4507	6	3467	6	3987	8	4858	7	3413	5	4061	8
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	1043				1043				3165		2104	
5809	32944 (H)	5470	3*#	3433	8	4452	6#	6121	4	3471	4	4624	4#
5810	Shabhagidhan (Irrigated early dry DSR)	4457	7	4667	3	4562	4	5150	6	3285	9	4389	7
5812	DRR Dhan 50 (Irrigated late dry DSR)	780				780				3183	10	1981	
5813	DRR Dhan 55 (Irrigated medium dry DSR)	3260	9			3260	10	4721	8	3311	8	3764	9
5817	LC	4363	8	5067	2	4715	3	6454	2	2961		4711	2
Experimental Mean		3927		3930		3658		5402		3565		3961	
CD(0.05)		927		555		479		556		815		290	
CV(%)		13.95		8.23		7.77		6		13.5		4.34	
F val		30.47**		15.66**		71.76**		22.24**		3.98**		102.55**	
DOS		07-07-2025		18-06-2025				11-06-2025		20-06-2025			
DOP													
Local Check Name		CSR 105		HKR 49				PR126		N 22			

Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN							
		Bihar						Bihar (3)	
		Bikramganj (Dhangain)		Pusa		Sabour		Mean	
5801	32917 (H)	6785	3#	4087	5#	4558	3*	5143	3*#
5802	32918 (H)	7465	1*#	4272	1#	4852	1*#	5530	1*#
5803	32922	6226	6#	3978	8	3750	5	4651	4#
5804	32924 (H)	7170	2*#	4089	4#	4651	2*#	5303	2*#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	2889		3200				3044	
5806	32929 (H)	5549	8	3933	9	2888	10	4123	9
5807	DRR Dhan 70 (Irrigated medium dry DSR)	5066		3844		3455	6	4122	10
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	5125	9	3865	10	3964	4	4318	8
5809	32944 (H)	6069	7#	4059	6#	3231	8	4453	6
5810	Shabhagidhan (Irrigated early dry DSR)	4542		4095	3	1868		3502	
5812	DRR Dhan 50 (Irrigated late dry DSR)	5097	10	3721		3266	7	4028	
5813	DRR Dhan 55 (Irrigated medium dry DSR)	6458	4	4019	7	2731		4403	7
5817	LC	6427	5	4230	2	3144	9	4600	5
Experimental Mean		5759		3953		3530		4402	
CD(0.05)		616		172		631		290	
CV(%)		6.34		2.59		10.55		3.92	
F val		34.27**		21.32**		16.56**		47.93**	
DOS		08-07-2025		01-07-2025		18-06-2025			
DOP									
Local Check Name		Sabour Vijay		R. Nilam		Sabour Shree			

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Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN						ZONE III - EASTERN (5)	
		Uttar Pradesh			Uttar Pradesh (2)			Mean	
		Varanasi		Masodha		Mean			
5801	32917 (H)	6776	3#	4588	1*#	5682	2*#	5359	2*#
5802	32918 (H)	8132	1#	4187	2*#	6159	1*#	5782	1*#
5803	32922	5562	8#	3955	3#	4759	5#	4694	5#
5804	32924 (H)	5752	5#	3901	4#	4826	4#	5112	3*#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)							3044	
5806	32929 (H)	5756	4#	3669	5#	4713	6#	4359	8#
5807	DRR Dhan 70 (Irrigated medium dry DSR)	5353	9	3560	6	4456	8	4256	9
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	4059		3001		3530		4003	
5809	32944 (H)	5647	7#	3055	10	4351	9#	4412	7#
5810	Shabhagidhan (Irrigated early dry DSR)	3637		3121	9	3379		3452	
5812	DRR Dhan 50 (Irrigated late dry DSR)	4410	10	3557	7	3983	10	4010	10
5813	DRR Dhan 55 (Irrigated medium dry DSR)	7596	2	2960		5278	3	4753	4
5817	LC	5680	6	3279	8	4480	7	4552	6
Experimental Mean		5697		3569		4633		4445	
CD(0.05)		842		598		398		239	
CV(%)		8.73		9.9		5.07		3.2	
F val		21.41**		6.41**		35.8**		81.88**	
DOS		19-07-2025		24-07-2025					
DOP									
Local Check Name		MMSD-1		NDR 2064					

Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN				ZONE IV - NORTH EASTERN (2)	
		Assam		Tripura		Mean	
		Titabar		Arundhutinagar			
5801	32917 (H)	4646	3	3221	6	3934	4
5802	32918 (H)	4409	7	3411	5	3910	5
5803	32922	4624	5	2868	10	3746	8
5804	32924 (H)	5005	1	3184	7	4095	2#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)			3595	3	3595	9
5806	32929 (H)	4115	8	2826		3471	10
5807	DRR Dhan 70 (Irrigated medium dry DSR)	4727	2	2858		3792	6
5808	CR Dhan 701 (Irrigated late dry DSR) (LHC)			3084	8	3084	
5809	32944 (H)	4627	4	4389	1*#	4508	1*#
5810	Shabhagidhan (Irrigated early dry DSR)	3112	10	2063		2587	
5812	DRR Dhan 50 (Irrigated late dry DSR)			3747	2	3747	7
5813	DRR Dhan 55 (Irrigated medium dry DSR)	4483	6	3495	4	3989	3
5817	LC	3346	9	3074	9	3210	
Experimental Mean		4309		3217		3667	
CD(0.05)		627		515		452	
CV(%)		8.48		9.5		7.32	
F val		8.52**		9.88**		10.1**	
DOS		03-07-2025		16-07-2025			
DOP		24-07-2025		06-08-2025			
Local Check Name		Bokuljoha		Gomati			

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Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL				ZONE V - CENTRAL (2)	
		Chhattisgarh		Madhya Pradesh		CENTRAL (2)	
		Raipur		Rewa		Mean	
5801	32917 (H)	9196	1*#	3147	7#	6171	1*#
5802	32918 (H)	5374	4#	3668	5#	4521	5#
5803	32922	1187		2105	10	1646	
5804	32924 (H)	6299	2#	4883	4#	5591	2*#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)						
5806	32929 (H)	4673	6#	4926	3#	4800	4*#
5807	DRR Dhan 70 (Irrigated medium dry DSR)	930		5143	2	3037	8
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	1324	10	2018		1671	
5809	32944 (H)	4815	5#	5317	1#	5066	3*#
5810	Shabhagidhan (Irrigated early dry DSR)	2331	8	2799	9	2565	9
5812	DRR Dhan 50 (Irrigated late dry DSR)	2269	9	1411		1840	10
5813	DRR Dhan 55 (Irrigated medium dry DSR)	2732	7	3451	6	3091	7
5817	LC	5636	3	2843	8	4240	6
Experimental Mean		3897		3476		3686	
CD(0.05)		1030		800		557	
CV(%)		15.61		13.6		8.92	
F val		51.35**		23.85**		69.66**	
DOS		27-06-2025		14-07-2025			
DOP							
Local Check Name		Bastar Dhan-1		JR 206			

Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE V - CENTRAL	
		Chhattisgarh	
		@Jagadapur	
5801	32917 (H)	4629	3
5802	32918 (H)	4638	2
5803	32922	4000	6
5804	32924 (H)	5108	1
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	3108	
5806	32929 (H)	3283	9
5807	DRR Dhan 70 (Irrigated medium dry DSR)	3417	8
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	3083	
5809	32944 (H)	4117	5
5810	Shabhagidhan (Irrigated early dry DSR)	2950	
5812	DRR Dhan 50 (Irrigated late dry DSR)	3581	7
5813	DRR Dhan 55 (Irrigated medium dry DSR)	3235	10
5817	LC	4279	4
Experimental Mean		3802	
CD(0.05)		1419	
CV(%)		22.15	
F val		2.1ns	
DOS		20-06-2025	
DOP			
Local Check Name		Indravati Dhan	

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Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN								ZONE VI - WESTERN (3)	
		Gujarat		Maharashtra			Maharashtra (2)				
		Vyra		Karjat		Vadgaon		Mean		Mean	
5801	32917 (H)	4757	2*	4667	5	4643		4655	10	4227	3*
5802	32918 (H)	4384	4*	5365	3#	5778	4	5572	3	4257	2*
5803	32922	3258	6	6056	1*#	4833	10	5444	4	4004	7
5804	32924 (H)	4859	1*	5847	2*#	5940	3	5893	1*#	4680	1*#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)					4686		4686	9	3150	
5806	32929 (H)	3010	8	3994	9	7658	1*#	5826	2*#	4072	5
5807	DRR Dhan 70 (Irrigated medium dry DSR)	2819	10	4077	8	5043	9	4560		3490	9
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	4531	3	4446	6	5521	5	4983	6	4214	4
5809	32944 (H)	3760	5*	3613		6699	2*#	5156	5	4052	6
5810	Shabhagidhan (Irrigated early dry DSR)	1960		3712		5244	7	4478		3081	
5812	DRR Dhan 50 (Irrigated late dry DSR)	2919	9	3969	10	3950		3960		3303	
5813	DRR Dhan 55 (Irrigated medium dry DSR)	2349		4433	7	5296	6	4864	8	3352	10
5817	LC	3148	7	4828	4	5050	8	4939	7	3767	8
Experimental Mean		3479		4584		5411		5001		3819	
CD(0.05)		480		777		1166		763		399	
CV(%)		8.14		10.01		12.79		9.05		6.19	
F val		34.88**		9.27**		5.76**		4.66**		13.39**	
DOS		13-06-2025		17-07-2025		08-07-2025					
DOP											
Local Check Name		GAR-201		Karjat 3		Phule Kolam					

Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VI - WESTERN			
		Gujarat			
		@Navsari		@Nawagam	
5801	32917 (H)	4227	1	2840	1
5802	32918 (H)	3304	9	2454	5
5803	32922	3730	4	2145	9
5804	32924 (H)	4155	2	2600	4
5805	DRRH 4 (Irrigated early dry DSR) (EHC)			1614	
5806	32929 (H)	3319	8	2380	8
5807	DRR Dhan 70 (Irrigated medium dry DSR)	3555	5	1956	10
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	3896	3	2675	3
5809	32944 (H)	3389	7	2800	2
5810	Shabhagidhan (Irrigated early dry DSR)	3189		1300	
5812	DRR Dhan 50 (Irrigated late dry DSR)	3261	10	2415	7
5813	DRR Dhan 55 (Irrigated medium dry DSR)	3059		1625	
5817	LC	3393	6	2417	6
Experimental Mean		3540		2248	
CD(0.05)		848		396	
CV(%)		14.15		10.45	
F val		1.73ns		12.98**	
DOS		16-06-2025		22-07-2025	
DOP					
Local Check Name		GAR-201		GAR-201	

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Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Andhra Pradesh		Karnataka				Karnataka (3)			
		Maruteru		Mandya		Brahmavar		Mugad		Mean	
5801	32917 (H)	5614	9#	4015	3#	4318	3	5913	1*#	4749	1*#
5802	32918 (H)	7230	1#	3922	5	4015	8	5729	2*#	4556	2*#
5803	32922	6657	4#	2433		4019	7	5017	4	3823	10
5804	32924 (H)	6878	2#	3426	9	4162	4	4222		3937	9
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	3609		3422	10	4158	5	4469	7	4016	6
5806	32929 (H)	4020		2770		3439		4392		3534	
5807	DRR Dhan 70 (Irrigated medium dry DSR)	4151		3470	8	3199		4622	5	3764	
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	4461		1337		4743	1	4205		3428	
5809	32944 (H)	6618	5#	3715	7	3746	10	4385		3949	7
5810	Shabhagidhan (Irrigated early dry DSR)	3937		3315		3161		4417	10	3631	
5811	32945	5882	7#	1770		4074	6	4549	6	3464	
5812	DRR Dhan 50 (Irrigated late dry DSR)	4096		1559		3136		4226		2973	
5813	DRR Dhan 55 (Irrigated medium dry DSR)	6795	3	4137	2	3956	9	4469	7	4187	5
5814	32954	3674		3930	4#	3136		5573	3*#	4213	4
5815	32955	5107	10	2311		4436	2*	4451	9	3733	
5816	32956	6560	6#	3844	6	3704		4292		3947	8
5817	LC	5632	8	4815	1	3704		4167		4228	3
Experimental Mean		5348		3188		3830		4653		3890	
CD(0.05)		902		501		383		685		319	
CV(%)		10.14		9.44		6.01		8.86		4.94	
F val		16.98**		32.79**		13.46**		5.5**		15.17**	
DOS		24-07-2025		08-08-2025		04-08-2025		22-07-2025			
DOP											
Local Check Name		MTU 1140		Daksha		Mahaveera		MAS-946-1			

Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN										ZONE VII - SOUTHERN (8)	
		Kerala		Telangana			Telangana (2)		Tamil Nadu				
		Monocompu	Rajendranagar	Warangal		Mean		Coimbatore			Mean		
5801	32917 (H)	7422	1*#	7126	7	7697	7	7411	5	6601	2	6088	2*#
5802	32918 (H)	6533	3#	7845	2	8354	1	8099	2*#	6429	4	6257	1*#
5803	32922	5244	5	7393	4	6732		7062	6	5919		5427	6#
5804	32924 (H)	7000	2#	8534	1	8171	2	8352	1*#	5944	10	6042	3*#
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	1904		6881	10	6856		6869		4798		4512	
5806	32929 (H)	5022	6	6867		6382		6624		5414		4788	
5807	DRR Dhan 70 (Irrigated medium dry DSR)	3644		5615		5506		5561		5970	9	4522	
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	4089	8	7270	5	6821		7046	7	6091	8	4877	
5809	32944 (H)	4007	9	2655		7940	6	5298		6111	7	4897	10
5810	Shabhagidhan (Irrigated early dry DSR)	3422		2626		6832		4729		4753		4058	
5811	32945	3370		7254	6	6696		6975	8	6313	6	4989	9
5812	DRR Dhan 50 (Irrigated late dry DSR)	3452		5205		8058	4	6631		5293		4378	
5813	DRR Dhan 55 (Irrigated medium dry DSR)	3756		6975	9	6966	10	6970	9	6333	5	5423	7
5814	32954	4111	7	7625	3	8111	3	7868	3	6500	3	5332	8
5815	32955	3096		4285		7643	8	5964		4823		4519	
5816	32956	3807	10	7086	8	8022	5	7554	4	6823	1	5517	4#
5817	LC	5756	4	6607		7170	9	6889	10	5838		5461	5
Experimental Mean		4449		6344		7292		6818		5880		5123	
CD(0.05)		1541		1554		1514		1035		918		468	
CV(%)		20.82		14.73		12.48		9.12		9.39		5.5	
F val		7.84**		10.13**		2.22*		7.37**		4.13**		15.58**	
DOS		19-08-2025		11-07-2025		04-08-2025				09-08-2025			
DOP													
Local Check Name		MO-16 (Uma)		JGL 24423		JGL 24423							

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Table No. 26.2 (Contd.): Grain Yield (kg/ha) in AVT 1 – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VII - SOUTHERN	
		Tamil Nadu	
		@Aduturai	
5801	32917 (H)	1667	6
5802	32918 (H)	3500	1
5803	32922	2167	3
5804	32924 (H)	2167	3
5805	DRRH 4 (Irrigated early dry DSR) (EHC)		
5806	32929 (H)	1333	
5807	DRR Dhan 70 (Irrigated medium dry DSR)	400	
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	1550	9
5809	32944 (H)	2000	5
5810	Shabhagidhan (Irrigated early dry DSR)	500	
5811	32945	1400	10
5812	DRR Dhan 50 (Irrigated late dry DSR)	1000	
5813	DRR Dhan 55 (Irrigated medium dry DSR)	1267	
5814	32954	1600	7
5815	32955	1567	8
5816	32956	3100	2
5817	LC	767	
Experimental Mean		1624	
CD(0.05)		1510	
CV(%)		55.75	
F val		2.38*	
DOS		30-06-2025	
DOP		30-06-2025	
Local Check Name		ADT 59	

Table No. 26.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN															ZONE II - NORTHERN (4)		
		Haryana						Haryana (2)			Punjab			Uttar Pradesh					
		Karnal			Kaul			Mean			Ludhiana			Nagina			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5801	32917 (H)	95	82	382	96	94	235	96	88	308	95	103	367	97	99	281	96	94	316
5802	32918 (H)	93	78	432	94	89	201	93	83	316	94	91	333	93	92	212	94	87	295
5803	32922	90	71	465		58	209	90	64	337	92	80	413	92	82	202	91	73	322
5804	32924 (H)	95	77	318		59	188	95	68	253	97	97	303	103	89	215	98	80	256
5805	DRRH 4 (Irrigated early dry DSR) (EHC)					78	220		78	220								78	220
5806	32929 (H)	88	75	261	97	86	206	93	80	234	97	89	450	96	87	245	95	84	291
5807	DRR Dhan 70 (Irrigated medium dry DSR)	110	95	375	97	103	228	104	99	301	85	94	360	84	91	241	94	96	301
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	86	77	180				86	77	180				127	81	242	106	79	211
5809	32944 (H)	84	79	382	93	69	245	89	74	314	86	98	417	89	90	256	88	84	325
5810	Shabhagidhan (Irrigated early dry DSR)	89	110	393	94	106	256	91	108	324	87	106	343	82	84	262	88	101	313
5812	DRR Dhan 50 (Irrigated late dry DSR)	116	53	81				116	53	81				120	83	256	118	68	169
5813	DRR Dhan 55 (Irrigated medium dry DSR)	90	78	302				90	78	302	81	93	413	90	82	283	87	84	333
5817	LC	100	76	401	88	93	276	94	85	338	82	86	443	66	106	225	84	90	336
Experimental Mean		94	79	331	94	83	226	95	80	270	89	93	384	94	88	243	95	84	284
Standard Error		2.55			0.81			2.06			0.59			0.23			0.92		

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN											
		Bihar									Bihar (3)		
		Bikramganj (Dhangain)			Pusa			Sabour			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5801	32917 (H)	85	118	243	86	103	236	97	120	234	89	114	237
5802	32918 (H)	84	110	258	84	106	212	98	103	250	89	106	240
5803	32922	79	104	268	80	103	229	107	93	231	89	100	243
5804	32924 (H)	86	111	306	86	119	225	104	106	237	92	112	256
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	101	110	260	94	104	185				98	107	223
5806	32929 (H)	85	105	276	83	111	228	93	102	173	87	106	226
5807	DRR Dhan 70 (Irrigated medium dry DSR)	80	111	305	86	103	243	102	101	177	89	105	241
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	102	110	266	100	106	243	121	106	285	108	107	265
5809	32944 (H)	82	111	267	81	111	258	90	116	218	85	113	248
5810	Shabhagidhan (Irrigated early dry DSR)	79	110	285	82	87	229	88	98	148	83	99	221
5812	DRR Dhan 50 (Irrigated late dry DSR)	105	103	308	95	107	245	121	102	267	107	104	274
5813	DRR Dhan 55 (Irrigated medium dry DSR)	100	110	260	86	102	224	103	134	216	96	115	233
5817	LC	96	105	327	85	100	254	120	103	246	100	103	276
Experimental Mean		89	109	279	86	104	231	103	107	223	93	107	245
Standard Error		0			1.73			0.8			0.74		

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (5)		
		Uttar Pradesh						Uttar Pradesh (2)			Mean		
		Varanasi			Masodha			Mean			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5801	32917 (H)	80	115	232	89	92	249	85	104	241	87	110	239
5802	32918 (H)	76	112	249	102	85	247	89	98	248	89	103	243
5803	32922	75	97	255	102	81	211	88	89	233	89	95	239
5804	32924 (H)	81	103	248	100	83	265	90	93	257	91	104	256
5805	DRRH 4 (Irrigated early dry DSR) (EHC)										98	107	223
5806	32929 (H)	78	101	231	88	77	227	83	89	229	86	99	227
5807	DRR Dhan 70 (Irrigated medium dry DSR)	74	115	172	85	83	224	80	99	198	85	103	224
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	91	101	244	115	87	202	103	94	223	106	102	248
5809	32944 (H)	72	117	228	95	79	212	84	98	220	84	107	237
5810	Shabhagidhan (Irrigated early dry DSR)	69	111	199	78	77	187	74	94	193	79	97	210
5812	DRR Dhan 50 (Irrigated late dry DSR)	100	101	228	93	92	225	96	96	227	103	101	255
5813	DRR Dhan 55 (Irrigated medium dry DSR)	75	115	266	88	72	222	82	93	244	90	107	238
5817	LC	72	119	238	103	87	210	88	103	224	95	103	255
Experimental Mean		78	108	232	94	82	223	87	96	228	91	103	238
Standard Error		0.67			0.68			0.5			0.53		

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Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN						ZONE IV - NORTH EASTERN (2)		
		Assam			Tripura			Mean		
		Titabar			Arundhutinagar					
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5801	32917 (H)	85	87	241	100	140	486	92	113	364
5802	32918 (H)	83	79	238	101	132	558	92	105	398
5803	32922	81	81	243	96	104	486	88	93	364
5804	32924 (H)	84	82	226	98	149	558	91	116	392
5805	DRRH 4 (Irrigated early dry DSR) (EHC)				93	134	558	93	134	558
5806	32929 (H)	78	78	230	95	126	522	86	102	376
5807	DRR Dhan 70 (Irrigated medium dry DSR)	73	95	247	100	126	450	86	111	348
5808	CR Dhan 701 (Irrigated late dry DSR) (LHC)				104	111	558	104	111	558
5809	32944 (H)	74	96	237	102	128	702	88	112	470
5810	Shabhadhan (Irrigated early dry DSR)	68	91	223	98	111	306	83	101	264
5812	DRR Dhan 50 (Irrigated late dry DSR)				97	126	684	97	126	684
5813	DRR Dhan 55 (Irrigated medium dry DSR)	80	89	204	92	130	558	86	110	381
5817	LC	81	99	225	94	95	558	88	97	392
Experimental Mean		78	87	231	97	124	537	90	110	427
Standard Error		0.68			0.61			0.55		

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE V - CENTRAL						ZONE V - CENTRAL (2)		
		Chhattisgarh			Madhya Pradesh			Mean		
		Raipur			Rewa					
		DFE	PH	PAN	DFE	PH	PAN	DFE	PH	PAN
5801	32917 (H)	87	107	156	91	95	287	89	101	222
5802	32918 (H)	86	88	153	90	89	199	88	88	176
5803	32922	87	69	99	91	80	283	89	74	191
5804	32924 (H)	91	95	91	85	93	289	88	94	190
5805	DRRH 4 (Irrigated early dry DSR) (EHC)									
5806	32929 (H)	87	82	63	84	87	297	86	85	180
5807	DRR Dhan 70 (Irrigated medium dry DSR)	83	94	93	79	97	277	81	95	185
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	111	104	92	91	97	284	101	100	188
5809	32944 (H)	83	108	99	84	105	273	83	107	186
5810	Shabhadhan (Irrigated early dry DSR)	79	87	91	80	96	280	80	91	186
5812	DRR Dhan 50 (Irrigated late dry DSR)	108	87	84	86	86	167	97	87	125
5813	DRR Dhan 55 (Irrigated medium dry DSR)	84	88	103	87	83	318	86	86	210
5817	LC	82	89	145	88	88	262	85	89	204
Experimental Mean		89	91	105	86	91	268	88	91	187
Standard Error		1.18			1.11			0.79		

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE V - CENTRAL		
		Chhattisgarh		
		@Jagadapur		
		DFF	PH	PAN
5801	32917 (H)	84	97	210
5802	32918 (H)	82	90	218
5803	32922	80	82	207
5804	32924 (H)	84	90	223
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	81	89	193
5806	32929 (H)	81	86	193
5807	DRR Dhan 70 (Irrigated medium dry DSR)	80	86	190
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	85	92	215
5809	32944 (H)	81	91	212
5810	Shabhagidhan (Irrigated early dry DSR)	79	88	148
5812	DRR Dhan 50 (Irrigated late dry DSR)	71	81	193
5813	DRR Dhan 55 (Irrigated medium dry DSR)	84	83	200
5817	LC	80	89	213
Experimental Mean		80	88	201

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN												ZONE VI - WESTERN (3)		
		Gujarat			Maharashtra						Maharashtra (2)			Mean		
		Vyra			Karjat			Vadgaonmaval			Mean			Mean		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
5801	32917 (H)	97	123	259	90	114	338	92	102	245	91	108	291	92	109	255
5802	32918 (H)	99	120	307	88	102	317	95	79	279	92	91	298	92	102	265
5803	32922	88	103	288	92	91	268	92	72	275	92	81	271	91	92	251
5804	32924 (H)	97	127	278	89	105	296	93	89	276	91	97	286	92	109	260
5805	DRRH 4 (Irrigated early dry DSR) (EHC)							88	98	252	88	98	252	88	103	234
5806	32929 (H)	86	115	204	78	102	316	90	89	321	84	95	319	84	105	252
5807	DRR Dhan 70 (Irrigated medium dry DSR)	85	137	223	81	110	315	83	97	221	82	104	268	84	114	233
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	107	124	297	94	119	371	100	96	315	97	108	343	100	118	285
5809	32944 (H)	83	135	295	70	112	342	86	96	288	78	104	315	81	117	268
5810	Shabhagidhan (Irrigated early dry DSR)	82	109	227	73	110	319	81	96	242	77	103	280	82	100	242
5812	DRR Dhan 50 (Irrigated late dry DSR)	84	120	249	93	102	328	99	85	292	96	94	310	92	108	253
5813	DRR Dhan 55 (Irrigated medium dry DSR)	102	129	295	89	109	336	88	91	268	89	100	302	93	109	265
5817	LC	85	130	259	82	86	321	91	118	313	86	102	317	86	109	260
Experimental Mean		91	122	265	84	105	322	90	92	275	88	99	296	89	107	256
Standard Error		1.72			0.95			0.58			0.62			0.55		

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Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VI - WESTERN					
		Gujarat					
		@Navsari			@Nawagam		
		DFP	PH	PAN	DFP	PH	PAN
5801	32917 (H)	84	104	196	98	104	238
5802	32918 (H)	83	115	188	95	95	234
5803	32922	85	109	202	96	85	222
5804	32924 (H)	83	126	208	97	99	241
5805	DRRH 4 (Irrigated early dry DSR) (EHC)				87	108	216
5806	32929 (H)	82	124	184	86	93	236
5807	DRR Dhan 70 (Irrigated medium dry DSR)	82	126	213	88	102	192
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	93	139	194	107	110	246
5809	32944 (H)	76	139	169	92	104	244
5810	Shabhagidhan (Irrigated early dry DSR)	81	100	220	95	84	202
5812	DRR Dhan 50 (Irrigated late dry DSR)	96	126	163	89	107	234
5813	DRR Dhan 55 (Irrigated medium dry DSR)	83	118	211	102	98	218
5817	LC	86	111	194	85	99	212
Experimental Mean		84	119	195	93	99	225

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN														
		Andhra Pradesh			Karnataka									Karnataka (3)		
		Maruteru			Mandya			Brahmavar			Mugad			Mean		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5801	32917 (H)	74	147	319	104	80	363	105	105	385	97	89	363	102	91	370
5802	32918 (H)	72	129	352	101	64	408	78	78	348	94	79	369	91	74	375
5803	32922	72	115	363	106	58	419	111	111	341	92	64	258	103	78	339
5804	32924 (H)	77	123	363	102	70	385	109	109	357	94	70	317	102	83	353
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	74	127	330	84	101	374	111	111	349	84	100	345	93	104	356
5806	32929 (H)	74	126	308	101	67	397	98	98	356	91	75	306	97	80	353
5807	DRR Dhan 70 (Irrigated medium dry DSR)	71	131	308	90	85	351	102	102	371	88	66	347	93	84	356
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	87	124	308	112	67	385	101	101	364	105	78	335	106	82	361
5809	32944 (H)	71	132	396	109	80	340	101	101	351	87	78	268	99	86	320
5810	Shabhagidhan (Irrigated early dry DSR)	70	136	319	80	74	385	97	97	352	86	62	313	88	78	350
5811	32945	87	130	297	116	56	408	101	101	352	110	87	350	109	81	370
5812	DRR Dhan 50 (Irrigated late dry DSR)	87	126	308	113	62	431	109	109	360	105	78	294	109	83	362
5813	DRR Dhan 55 (Irrigated medium dry DSR)	76	133	319	89	85	385	110	110	323	93	80	279	97	91	329
5814	32954	72	144	308	102	92	374	105	105	358	95	78	281	101	92	338
5815	32955	72	120	297	87	71	397	100	100	372	89	86	327	92	86	365
5816	32956	73	121	363	98	80	408	110	110	365	97	61	327	102	84	367
5817	LC	115	117	385	102	97	351	104	104	380	82	97	304	96	100	345
Experimental Mean		77	128	331	99	75	385	103	103	357	93	78	316	99	86	353
Standard Error		0.68			0.91			8.11			1.15			2.77		

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Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN															ZONE VII - SOUTHERN (8)		
		Kerala			Telangana						Telangana (2)			Tamil Nadu			SOUTHERN (8)		
		Monocompu			Rajendranagar			Warangal			Mean			Coimbatore			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5801	32917 (H)	70	127	227	99	103	382	89	98	365	94	100	373	92	96	293	91	106	337
5802	32918 (H)	70	80	189	97	101	333	89	93	416	93	97	374	93	84	308	87	88	340
5803	32922	70	96	284	95	79	387	90	75	362	92	77	375	89	75	303	91	84	340
5804	32924 (H)	74	116	196	98	99	319	89	93	403	94	96	361	93	87	337	92	96	335
5805	DRRH 4 (Irrigated early dry DSR) (EHC)	70	88	200	106	95	264	89	98	339	97	97	301	99	90	315	90	101	314
5806	32929 (H)	70	103	203	99	101	259	81	77	345	90	89	302	80	81	303	87	91	310
5807	DRR Dhan 70 (Irrigated medium dry DSR)	69	104	172	89	98	268	87	95	346	88	97	307	86	89	310	85	96	309
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	88	109	165	105	99	345	101	81	370	103	90	357	99	86	312	100	93	323
5809	32944 (H)	70	97	209	87	96	322	87	87	391	87	92	356	85	88	290	87	95	321
5810	Shabhagidhan (Irrigated early dry DSR)	72	105	183	90	96	309	75	84	366	82	90	338	73	89	333	80	93	320
5811	32945	94	118	231	109	103	357	73	80	362	91	91	359	100	98	290	99	97	331
5812	DRR Dhan 50 (Irrigated late dry DSR)	90	96	225	102	91	334	101	78	401	102	85	368	99	84	337	101	91	336
5813	DRR Dhan 55 (Irrigated medium dry DSR)	78	95	242	98	100	315	89	100	369	94	100	342	88	99	317	90	100	319
5814	32954	78	105	172	101	107	346	89	114	408	95	111	377	93	102	300	92	106	318
5815	32955	78	95	198	97	95	427	87	86	395	92	90	411	88	86	290	87	92	338
5816	32956	78	95	225	100	99	348	88	90	257	94	95	302	99	92	313	93	93	326
5817	LC	94	109	169	92	93	281	88	101	373	90	97	327	85	101	310	95	102	319
Experimental Mean		77	102	205	97	97	329	87	90	368	93	94	349	90	89	309	91	96	326
Standard Error		0			1.26			0.77			0.57			0.37			1.05		

Table No. 26.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in AVT 1 – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE VII - SOUTHERN		
		Tamil Nadu		
		@Aduturai		
		DDF	PH	PAN
5801	32917 (H)	119	120	283
5802	32918 (H)	120	103	304
5803	32922	109	104	299
5804	32924 (H)	110	105	310
5805	DRRH 4 (Irrigated early dry DSR) (EHC)			
5806	32929 (H)	105	93	304
5807	DRR Dhan 70 (Irrigated medium dry DSR)	110	103	339
5808	CR Dhan 702 (Irrigated late dry DSR) (LHC)	122	101	306
5809	32944 (H)	111	86	328
5810	Shabhagidhan (Irrigated early dry DSR)	106	93	315
5811	32945	130	94	333
5812	DRR Dhan 50 (Irrigated late dry DSR)	131	103	353
5813	DRR Dhan 55 (Irrigated medium dry DSR)	108	95	348
5814	32954	111	122	357
5815	32955	113	110	363
5816	32956	101	105	367
5817	LC	102	103	319
Experimental Mean		113	102	326

Table No. 26.4: Grain quality characteristics of entries in AVT 1 – DSR, Kharif 2025

Code	Designation	IET Number	HULL	MILL	HRR	KL	KB	L/B	Grain Type	Grain Chalk	ASV	AC	GC
1833	5801	32917	81.5	70.7	52.3	5.17	2.30	2.59	MS	VOC	5.0	24.14	48
1834	5802	32918	79.7	66.0	41.6	6.86	2.35	2.91	LB	OC	4.0	19.44	43
1835	5803	32922	79.5	72.1	46.0	6.31	1.97	3.20	LS	VOC	4.0	24.75	67
1836	5804	32924	80.2	67.4	38.0	6.61	2.16	3.06	LS	VOC	7.0	27.72	41
1837	5805	DRRH -4	79.9	70.3	55.3	6.38	2.20	2.90	LB	VOC	7.0	26.25	44
1838	5806	32929	79.1	66.4	25.6	5.68	2.36	2.40	SB	OC	4.0	24.87	47
1839	5807	DRR DHAN - 70	78.7	66.6	39.0	6.16	2.18	2.82	LB	VOC	3.0	24.81	82
1840	5808	CR DHAN- 702	80.3	70.1	44.3	6.63	2.20	3.01	LS	VOC	4.0	28.39	62
1841	5809	32944	79.3	64.0	23.1	5.86	2.33	2.51	MS	VOC	4.0	27.10	43
1842	5810	SHABHAGEDHAN	78.3	66.6	44.3	5.76	2.01	2.86	MS	VOC	7.0	27.01	63
1843	5811	32945	79.1	71.8	63.4	5.93	1.91	3.10	SS	A	4.0	25.60	42
1844	5812	DRR DHAN - 50	79.4	70.8	56.5	4.89	1.80	2.71	MS	A	5.0	26.66	22
1845	5813	DRR DHAN -55	80.0	70.5	49.7	6.29	2.23	2.82	LB	VOC	7.0	27.66	22
1846	5814	32954	80.1	69.3	43.9	6.24	2.31	2.71	LB	VOC	4.0	27.95	53
1847	5815	32955	79.1	69.1	34.5	6.15	2.25	2.73	LB	OC	7.0	24.66	40
1848	5816	32956	77.9	67.9	43.3	5.46	2.39	2.28	SB	VOC	5.0	26.48	22
1849	5817	JGL-24423(LC)	77.7	67.2	41.7	5.61	2.14	2.62	MS	OC	4.0	25.13	38
HULL: Hulling(%) MILL:Milling(%) HRR:Head Rice Recovery KL:Kernal length (mm) KB:Kernal Breadth(mm) L/B : Length and Breadth(mm) KLAC:Kernal length after cooking WU:Water uptake ER:Elongation ratio AC:Amylose content (%) ASV:Alkali Spreading Value AC: Amylose Content GC: Gel consistency													

INITIAL VARIETAL TRIAL – Irrigated DSR (IVT – DSR)

Locations: 36

Test Entries: 57

Checks: Sahbhagi Dhan (Early), DRRH 4 (Early Hybrid), DRR Dhan 70 (Medium), DRR Dhan 55 (Medium), CR Dhan 702 (Late Hybrid), DRR Dhan 50 (Late), Local check **Table: 27**

Initial Variety Trial -DSR (IVT - DSR) was constituted with 57 test entries and 7 checks Sahbhagi Dhan (Early), DRRH 4 (Early Hybrid), DRR Dhan 70 (Medium), DRR Dhan 55 (Medium), CR Dhan 702 (Late Hybrid), DRR Dhan 50 (Late), Local check. The trial was sent to 36 locations, data was received from 29 locations and not received from 7 locations (Kota, Chiplima, Lucknow, Titabar, Derol, Pattambi, Kurumbapet) and 24 locations data was considered for analysis. Data from 5 centres were excluded from analysis viz., Gorakpur, Masodha, Jagadapur, Rewa and Navagam due to either low (<5%) / high CV (20%) or low experimental yield (<3000 Kg/ha) or based on non-significant F Value. Among the centres from which data is included in analysis, location-wise mean grain yield ranged from 2986 kg/ha (Mandya) to 6993 kg/ha (Varanasi), while, CV ranged from 5.76% (Arundathinagar) to 22.15% (Raipur).

Zones	II	III	IV	V	VI	VII
Range : Zonal mean (Kg/ha)	2176 (IET 33979)- 5141(IET 44931)	2473 (IET 33974)-6023 (IET 33947)	2474 (IET 33961- 4474 (IET 33960)	327 (IET 33991) – 7548 (IET 33968)	2210 (IET 33961) - 5181 (IET 33947)	3190 (IET 33961) - 5601 (IET 33948)
Exp Mean (Kg/ha)	3449 (KUL)-4155 (LDN)	3504 (SBR)-6993 (VRN)	3336 (ARD)	3557 (RPR)	3200 (PBN) - 4588 (VDG)	2986 (MDN) - 5999 (WGL)
CV%	8.22 (KRL)-11.15 (NGN)	6.93 (PSA) - 14.06 (SBR)	5.76 (ARD)	22.15 (RPR)	8.06 (NVS) - 17.47 (VYR)	8.81 (ADT) – 16.94 (RNR)
DDF	77 (IET 33955)-123 (IET 33989)	72 (IET 33961) - 114 (IET 33950)	80 (IETs 33940, 33957, 33958, 33959 & 33975) to - 92 (IET 33964)	70 (IETs 33961, 33962) - 118 (IET 33974)	71 (IET 33961) - 112 (IET 33951)	77 (IET 33962) - 102 (IET 33967)
PH (cm)	68 (IET 33983-119 (IET 33962)	89 (IET 33960)- 126 (IET 33978)	76 (IET 33983) - 141 (IET 33951)	66 (IET 33960) – 125 (IET 33968)	75 (IET 33960) - 121 (IET 33980)	76 (IET 33960) - 114 (IET 33962)
Pan/m ²	187 (IET 33951)-345 (IET 33941)	213 (IET 33952) to 299 (IET 33960)	378 (DRRH4 (EHC), IETs 33949, 33961 - 630 (IET 33960 & DRR Dhan 55)	68 (IET 33962) - 260 (IET 33940)	193 (IET 33950) - 272 (DRR Dhan 55)	257 (DRRH4-EHC) to 335 (IET 33956)
DNI (Data not included)	0	2 (GRK & MSD)	0	2 (REW & JDP)	1 (NWG)	0
Locations considered	4	4	1	1	5	9

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Performance of the entries with required significant yield superiority over checks in IVT DSR during *kharif* 2025

IET No / Designation	Zonal performance-Yield (kg/ha); Duration					
	II	III	IV	V	VI	VII
33937-IR13C183			3500 *#/84			
33938-IR 132084-B-224-1-1-B-7		5522*#/ 83	3553*#/ 84	5292*#/ 79	4124*#/ 5	
33939-IR24IN1091		5338*#/ 81		4464 *#/77		
33940-HURS 25-7 IR24IN1077		5518*#/ 81	3184*#/ 80			
33941-IGKVID25-1 IR24IN1177	5141*#/ 5	5194*#/ 79		3720*#/ 80	4091*#/ 0	
33942-IGKVID25-2 IR24IN1095		5291*#/ 78		5851*#/ 84		
33943-IR127285-124-3-1-B			3684*#/ 83	3702*#/ 80		
33944-IR125026-108-1-1		5909*#/ 90	3605*#/ 83	5411*#/ 88	4948*#/ 7	4875*#/ 88
33945-SDSR 1009 (PVT)			3200*#/ 82	4970*#/ 77		
33946-SDSR 1007 (PVT)			3263*#/ 86			
33947-BRI22021 (H) (PVT)		6023*#/ 88		6411*#/ 88	5181*#/ 0	5221*#/ 90
33948-R 2893-kh-23-LST-C64-27-1		5468*#/ 90	4026*#/ 84		4260*#/ 1	5601*#/ 92
33949-R-RF-231	4411*#/ 6			6071*#/ 80	4394*#/ 8	4907*#/ 79
33950-MTU 1458 (MTU 2963-2-2-1-1)			3211/ #/86			
33951-MTU 1459 (MTU 2909-2-1-2-1)					4572*#/ 112	5586*#/ 100
33953-IR13C161-B				5976*#/ 74		
33954-IR13C149-B			3789*#/ 84			
33956-PAU 9553-51-3-1		5202*#/ 88	4289*#/ 88	4929*#/ 90	4727*#/ 5	
33957-PAU-IR21EL1001			3316*#/ 80		4220*#/ 2	4856*#/ 87
33958-BRR 2249						4891*#/ 87
33959-BRR 2248				3690*#/ 80		5429*#/ 84
33960-HURS-25-8			4474*#/ 87			
33963-CR 6391-24-8-2-1-1			4026*#/ 88			
33964-CR 4204-226-2-57-15		5186*#/ 87	3395*#/ 92	7226*#/ 96	4411*#/ 5	

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33967-CR 4463-12-1-1-1-1			3316*# /90	5476*#/ 104	4350*/9 9	4905*/ 102
33968-CR 4626-9-1-1-1-2			3289*# /88	7548*#/ 92		
33969-CR 4655--8-1-1-1-1			3816/* #/84		3835*/1 02	
33970-CR 4379-4-1-1-1-3	4042*#/ 103		3526*# /86			
33971-CR4403-5-1-IR 117841-4-1 RGA-1 RGA-1 RGA-2-RGA-3-RGA-1			4184*# /84			
33972-CR 6532-8-25-1-1-1-1			3211*# /84			
33973-CR4469-RGA-9-1-2-3		5295*#/ 84		4143*#/ 84	4062*/8 5	5169*# /88
33974-CR6464-AZ-37-R2			3321/* #/84			
33975-CR 3993-13-14-62						5191*# /89
33976-CR 2895-288-15-33-1				4548*#/ 80		
33977-CR 4374-3-1-2-1-1			3500*# /82			
33978-CR 3504-19-2-2-1-1-1			3500*# /83			5145*# /90
33979-CR4413 -1-1-1-1-2			4105*# /86		4047*/1 01	
33980-CR 3525 -24-6-2-1-1	4263*#/ 109		3342*# /83			
33981-CSR 2023-1-160-2-8			3184*# /82			4992/* #/85
33982-CSR 202-340-01-91	4845*/8 4		4289*# /86			
33983-RP 6877-IR 143529-187-6-6 375-17-5		4856*#/ 108	3526*# /84	5333*#/ 105		4794*# /99
33984-RP 6468-JBB 396-9-7-2-1-1-1			3737*# /86	4012*#/ 83		
33985-RP 6892 slk S224	4673*/8 7			3970*#/ 82		4659*# /86
33986-RP 6893 slk S176				4470*#/ 86	4710*/8 6	
33987-RP 6891 SLK S88			3553*# /82		4108*/7 9	
33988-KMB-RSA-116	4108*#/ 106		3184*# /82			
33990-RP 6859-IR20R1879			3184*# /82		4461*/7 9	
33991-RP 5285- KS2202-149			3421*# /88			
33992-RP 6324-97-3-2-1			4421*# /85		4675*/8 1	4977*# /88
33993-RP 6464-163-10-B-1						4800/* #/91
CD	450	468	384	1576	458	38
Irrigated early DSR: Shabhagidhan	3854	4646	2789	2065	3598	4401

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Irrigated early DSR: DRRH 4 (EHC)		3715	2658			3847
Irrigated medium DSR: DRR Dhan 55	4023	4918	4474	3345	3866	5074
Irrigated medium DSR: DRR Dhan 70	4494	4743	3342	5405	3662	4821
Irrigated late DSR: DRR Dhan 50	3437	4204	3711	1042	3376	4454
Irrigated late DSR: CR Dhan 702 (LHC)	3534	4379	3079	2089	4071	4812
Local check	4340	5175	3684	5089	4436	5093

List of promising entries in IVT – DSR Promoted to AVT 1 - DSR

Zones	Number of promoted entries	Entries promoted to AVT 1
II	7	IETs 33941, 33949, 33970, 33980, 33982, 33985, 33988
III	12	IETs 33938, 33939, 33940, 33941, 33942, 33944, 33947, 33948, 33956, 33964, 33973, 33983
IV	35	IETs 33937, 33938, 33940, 33943, 33944, 33945, 33946, 33948, 33950, 33954, 33956, 33957, 33960, 33963, 33964, 33967, 33968, 33969, 33970, 33971, 33972, 33974, 33977, 33978, 33979, 33980, 33981, 33982, 33983, 33984, 33987, 33988, 33990, 33991, 33992
V	21	IETs 33938, 33939, 33941, 33942, 33943, 33944, 33945, 33947, 33949, 33953, 33956, 33959, 33964, 33967, 33968, 33973, 33976, 33983, 33984, 33985, 33986,
VI	18	IETs 33938, 33941, 33944, 33947, 33948, 33949, 33951, 33956, 33957, 33964, 33967, 33969, 33973, 33979, 33986, 33987, 33990, 33992
VII	17	IETs 33944, 33947, 33948, 33949, 33951, 33957, 33958, 33959, 33967, 33973, 33975, 33978, 33981, 33983, 33985, 33992, 33993

Table No. 27.1: Composition of entries in Initial Variety Trial – Irrigated dry DSR (IVT – DSR), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain type
5901	33937	IR13C183	IR09F154/IR 2006-P12-12-2-2	SB
5902	33938	IR 132084-B-224-1-1-B-7	CIHERANG sub1-AG1/IR64-SALTOL 181//CIHERANG-SUB1-AG1/IR 87707-445-B-B-B	LS
5903	33939	IR24IN1091	DRR Dhan 44*4/BR 5230-46-4::IRGC 117318-1	LS
5904	33940	HURS 25-7 IR24IN1077	DRR Dhan 44*3/AUS 295::IRGC 29083-1	LS
5905	33941	IGKVID25-1 IR24IN1177	DRR Dhan	LS

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			44*2/MAKRO::IRGC 74763-2	
5906	33942	IGKVID25-2 IR24IN1095	DRR Dhan 44*3/JAMBALI::IRGC 73101-1	LS
5907	33943	IR127285-124-3-1-B	BPT 5204/ADT (R) 47	MS
5908	Irrigated early dry DSR: DRRH 4 (Early Hybrid Check)			
5909	33944	IR125026-108-1-1	AKSHAYADHAN/PAU-201	MS
5910	33945	SDSR 1009	(PVT)	LS
5911	33946	SDSR 1007	(PVT)	MS
5912	33947	BRI22021 (H)	Hybrid (PVT)	MS
5913	33948	R 2893-kh-23-LST-C64-27-1	RP 5706-105-1-82-1/IR 17A2230	LS
5914	33949	R-RF-231	IR17L1074(HHZ 8-SAL 6-SAL 3-Y2*3/CICIH GEDU)	LS
5915	33950	MTU 1458 (MTU 2963-2-2-1-1)	(MTU 1210/MTU 1224)/RP Bio 226	LS
5916	33951	MTU 1459 (MTU 2909-2-1-2-1)	(MTU 5249/SM 12)SM 11	MB
5917	33952	TNTRH 99	TNAU 60S/CBSN 82	LS
5918	33953	IR13C161-B	IRRI 146/IR 2006-P12-12-2-2	LS
5919	33954	IR13C149-B	IR07F290/IR2006-P12-12-2-2	SB
5920	33955	CBHTR 22002	CO 51 / Robin HTM	MS
5921	Irrigated medium dry DSR: DRR Dhan 70			
5922	33956	PAU 9553-51-3-1	PR 126/PR 113//PR 126	LB
5923	33957	PAU-IR21EL1001	CIHERANG sub1+AG1/IR26	LS
5924	33958	BRR 2249	BPT 5204 X EMS Mutant-TI-129	MS
5925	33959	BRR 2248	RPBIO-226 * Naveen/Robin-Sel.- 19-01	MS
5926	33960	HURS-25-8	HUBR 2-1/ CR Dhan 801	LS
5927	Irrigated late dry DSR: CR Dhan 702 (late Hybrid Check)			
5928	33961	VL 33043	VL Dhan 65/HPR 2143	LS
5929	33962	VL 33111	VL Dhan 65/HPR 2748	LS
5930	33963	CR 6391-24-8-2-1-1	MTU1071 / CANELLA DE FERRO / / CRL22R	MB
5931	33964	CR 4204-226-2-57-15	CR Dhan 307/ <i>O. Rufipogan</i> (AC-100444)//CR Dhan 307	SB
5932	33965	CR 6391-24-12-4-1-1	MTU1071 / CANELLA DE FERRO / / CRL22R	LS
5933	33966	CR 4625-9-1-1-1-2-1	CR 3856-44-22-2-1-11-1-1/ IR 77700-84-2-2-2	MS
5934	33967	CR 4463-12-1-1-1-1	CR Dhan 307/CR Dhan 316//CR Dhan 602	SB
5935	33968	CR 4626-9-1-1-1-2	Swarna/ IR 1182-90-4-78	LB
5936	33969	CR 4655--8-1-1-1-1	CR 3856-44-22-2-1-11-1-4-5/ CR 736-1-1	MB
5937	33970	CR 4379-4-1-1-1-3	CR Dhan 307/ MTU 1010	SB
5938	Irrigated early dry DSR: Shabhagidhan			

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5939	33971	CR4403-5-1-IR 117841-4-1 RGA-1 RGA-1 RGA-2-RGA-3-RGA-1	IR 91648-B-1-B-3-1/ABHAYA//IR11L101//IR 91648-B-1-B-3-1/RATHU HEENATI//WHD IS-75-1-127/9//IR 91648-B-1-B-3-1/IRBB 23//IR 96322-34-223-B//IR 91648-B-1-B-3- 1/IR BB 60 (IR 72920-1-44-4)//TADUKAN	LS
5940	33972	CR 6532-8-25-1-1-1-1	CR 4334-2-1-1/ ASD 19	LB
5941	33973	CR4469-RGA-9-1-2-3	CR 4384-RGA-20 x CR 4389- RGA-12	MS
5942	33974	CR6464-AZ-37-R2	Pooja x Thavalakannan	MB
5943	33975	CR 3993-13-14-62	CR 1009 /O. brachyantha//CR 1009	SB
5944	33976	CR 2895-288-15-33-1	Selumpkit/Naveen	MB
5945	33977	CR 4374-3-1-2-1-1	CR 3497-7-1-3-1-1-1/CR3561- 5-1-1-1-1-1-3	MS
5946	33978	CR 3504-19-2-2-1-1-1	IR 36/ Birupa	LB
5947	33979	CR4413 -1-1-1-1-2	CR3759-1-1-2-1-1 / CR3504 -7- 2-2-1-1-1	MS
5948	33980	CR 3525 -24-6-2-1-1	Vijetha /Divya	LS
5949	33981	CSR 2023-1-160-2-8	PR 126 X CSR MAGIC 167	LS
5950	33982	CSR 202-340-01-91	IRRI 154 X CSR 27	LS
5951	33983	RP 6877-IR 143529-187-6-6 375-17-5	Swarna/CUNGUN NAO:: IRGC 63576-1	SS
5952	Irrigated late dry DSR: DRR Dhan 50			
5953	33984	RP 6468-JBB 396-9-7-2-1-1-1	Krishna Hamsa/ IRBB60//Krishna Hamsa / IR96321-1447-561-B-1/// Krishna Hamsa / IR81896-96-B-B-195// Krishna Hamsa/ Tetep	LS
5954	33985	RP 6892 slk S224	CR DHAN 202/IRRI163	LS
5955	33986	RP 6893 slk S176	DRR Dhan 55/Anjali	LS
5956	33987	RP 6891 SLK S88	DRR Dhan 42/BPT5204	LS
5957	33988	RP 6112 KMB-RSA-116	EMS Mutant of BPT-5024	MS
5958	33989	RP 6112 KMB-RSA-124	EMS Mutant of BPT-5025	MS
5959	Irrigated medium dry DSR: DRR Dhan 55			
5960	33990	RP 6859-IR20R1879	KINANDANG PATONG*4/IR 51485-AC 1-6	MB
5961	33991	RP 5285- KS2202-149	Sona/Malaysia//Sona	LS
5962	33992	RP 6324-97-3-2-1	CR 691-1/CR Dhan 202	MB
5963	33993	RP 6464-163-10-B-1	RNR 17790/TCP331	MS
5964	Local check			

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Table No. 27.2: Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN										ZONE II - NORTHERN (4)	
		Haryana			Haryana (2)		Punjab		Uttar Pradesh		Mean		
		Karnal	Kaul	Mean	Ludhiana	Nagina							
5901	33937	3395		4400	6	3898		5000		3112		3977	
5902	33938	2260		3200		2730		4250		3604		3328	
5903	33939	4720	##	3750		4235		5846	6	4289	10#	4651	5#
5904	33940	5135	##	3350		4242		5456	10	4382	8#	4581	6#
5905	33941	5070	##	4300	7	4685	4#	6301	1	4894	3*#	5141	1*#
5906	33942	4230		3150		3690		4919		4388	7#	4172	#
5907	33943	2470		4300	7	3385		3566		3584		3480	
5908	Irrigated early dry DSR: DRRH 4 (EHC)												
5909	33944	4390		4800	2	4595	6#	3860		4820	4#	4468	8#
5910	33945	3245		3550		3398		5831	7	3451		4019	#
5911	33946	3155		3250		3202				3092		3166	
5912	33947	3985		4050	10	4018		4029		5352	1*#	4354	#
5913	33948	2450		3950		3200		3368		3630		3350	
5914	33949	4545	#	3400		3972		6096	3	3604		4411	9#
5915	33950			3150		3150				3497		3324	
5916	33951	1275				1275				3418		2346	
5917	33952	3325		3150		3238		3765		3185		3356	
5918	33953	2240		3100		2670		3316		3324		2995	
5919	33954	2505		2550		2528		5647	9	4003		3676	
5920	33955	2700				2700		2772		3298		2923	
5921	Irrigated medium dry DSR: DRR Dhan 70												
5922	33956	3850		4150	9	4000		6213	2	3763		4494	7
5923	33957	2625		2600		2612		4515		3185		3231	
5924	33958	5350	10*#	1500		3425		3691		3956		3624	
5925	33959	3255		3000		3128		3647		3630		3383	
5926	33960	3550				3550		4787		4102	#	4146	#
5927	33961	3170				3170		3610		4501	6#	3761	
5928	Irrigated late dry DSR: CR Dhan 702 (LHC)												
5929	33962	3870				3870				3198		3534	
5930	33963	2715		3100		2908		2912		3039		2941	
5931	33964	2110		3250		2680		2147		3471		2744	
5932	33965	2130				2130				3185		2657	
5933	33966	4025				4025		2765		3517		3436	
5934	33967	3240				3240		3618		2886		3248	
5935	33968	1790		2900		2345		1632		3178		2375	
5936	33969	1860				1860				3324		2592	
5937	33970	4510	#	3350		3930				3391		3750	
5938	33971	1620				1620				4043	#	2831	
5939	33972	5020	##	3050		4035				4056	#	4042	#
5940	33973	3605		3100		3352		4676		4036		3854	
5941	33974	5125	##	3100		4112		3074		4076	#	3844	
5942	33975	1845				1845				3331		2588	
5943	33976	5880	4*#	3150		4515	7#	3228		4309	9#	4142	#
5944	33977	1725				1725				3231		2478	
5945	33978	3415				3415				2899		3157	
5946	33979	5605	9*#	3350		4478	#	5296		3191		4361	10#
5947	33980	5690	6*#	3300		4495	9#	2574		3511		3769	
5948	33981	3335		3000		3168		3993		3265		3398	
5949	33982	1360				1360				2992		2176	
5950	33983	4975	##	4450	5	4712	3#			3364		4263	#
5951	33984	5660	7*#	3350		4505	8#	3257		3424		3923	
5952	33985	6155	1*#	4900	1	5528	1*#	4382		3943		4845	2#
5953	33986	1930				1930				3331		2631	
5954	33987	3875				3875				2999		3437	
5955	33988	5040	##	4550	4	4795	2*#	3735		3863		4297	#
5956	33989	6035	2*#	3300		4668	5#	5309		4049	#	4673	4#
5957	33990	5720	5*#	3250		4485	10#	2456		3398		3706	
5958	33991	5660	7*#	3250		4455	#	2868		3125		3726	
5959	33992	5905	3*#	2850		4378	#	3566		4109	#	4108	#
5960	33993	2290				2290				4601	5#	3446	
5961	33994	4050		3050		3550		5868	5	3125		4023	
5962	33995	3325		3150		3238		4110		3145		3433	
5963	33996	1460				1460				3291		2376	
5964	33997	4760	##	3400		4080		5941	4	5027	2*#	4782	3#
5965	33998	3210		3700		3455		3272		2879		3265	
5966	33999	4030		4700	3	4365		5831	8	2799		4340	
Experimental Mean		3669		3449		3422		4155		3630		3612	
CD(0.05)		603		760		424		903		809		450	
CV(%)		8.22		10.94		6.2		10.79		11.15		6.23	
F val		42.63**		6.16**		43.43**		14.91**		4.07**		19.8**	
DOS		09-07-2025		18-06-2025				21-06-2025		21-06-2025			
DOP													
Local Check Name		CSR 105		HKR 49				PR126		N 22			

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									
		Bihar					Bihar (3)		Uttar Pradesh		
		Pusa		Bikramganj (Dhangain)		Sabour		Mean		Varanasi	
5901	33937	4250	3	3344		3705		3766		7027	
5902	33938	4100	7	5545		4182		4609	7#	8261	3#
5903	33939	3915		4979		4267		4387	#	8190	5#
5904	33940	4210	4	5994	10	3653		4619	5#	8214	4#
5905	33941	3720		6389	5#	3733		4614	6#	6933	
5906	33942	3670		6768	2#	3347		4595	8#	7380	#
5907	33943	3840		3210		3517		3523		7156	
5908	Irrigated early dry DSR: DRRH 4 (EHC)	4000		3429				3715			
5909	33944	3920		5636		5739	2*#	5098	2*#	8343	2#
5910	33945	3710		6790	1#	2614		4371	#	4959	
5911	33946	2310		4412		3744		3489		5464	
5912	33947	3865		6234	7#	5955	1*#	5351	1*#	8038	6#
5913	33948	3835		6026	9	4619	7	4827	3#	7391	#
5914	33949	3840		5913		3801		4518	#	6228	
5915	33950	1860		5128		1642		2877		2761	
5916	33951	1970		3114		2551		2545		3090	
5917	33952	4030	10	4567		1812		3470		4301	
5918	33953	4130	5	5897		2778		4269		5546	
5919	33954	4110	6	6165	8	2108		4128		4407	
5920	33955	3840		4519		2449		3603		5288	
5921	Irrigated medium dry DSR: DRR Dhan 70	3665		6416	4	2710		4264		6181	
5922	33956	3835		3734		4273		3947		8966	1*#
5923	33957	2600		4391		2585		3192		5922	
5924	33958	3480		2628		5188	5	3765		7227	
5925	33959	3800		6373	6#	2983		4385	#	4924	
5926	33960	3855		4733		3670		4086		4771	
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)	1930		4936		4386	10	3751		6263	
5928	33961	4100	7	3750		2131		3327		2751	
5929	33962	3980		2911		1165		2685		2938	
5930	33963	3975		3216		2722		3304		5382	
5931	33964	4415	1	3632		5551	4*#	4533	10#	7145	
5932	33965	3770		3632		4443	8	3949		6933	
5933	33966	3725		6597	3#	3034		4452	#	6040	
5934	33967	3770		3280		4415	9	3822		5828	
5935	33968	3780		5288		3216		4095		7920	8#
5936	33969	3570		5449		4142		4387	#	5429	
5937	33970	3490		3734		3881		3702		7415	#
5938	Irrigated early dry DSR: Shabhagidhan	3640		5705		2648		3998		6592	
5939	33971	3735		3974		2994		3568		7979	7#
5940	33972	3770		3424		3835		3676		6204	
5941	33973	3740		5796		3818		4451	#	7826	9#
5942	33974	3760		3184		2290		3078		658	
5943	33975	3880		4402		4761	6	4348	#	6510	
5944	33976	4300	2	3291		3188		3593		6087	
5945	33977	3790		3098		5722	3*#	4203		5417	
5946	33978	3835		5192		3949		4325	#	5770	
5947	33979	3586		4391		3756		3911		3478	
5948	33980	3585		3360		3449		3465		4054	
5949	33981	3730		5417		3670		4272		7286	
5950	33982	3820		4001		3420		3747		7697	10#
5951	33983	3695		5288		4119		4368	#	6322	
5952	Irrigated late dry DSR: DRR Dhan 50	3745		5187		3159		4030		4724	
5953	33984	3800		3723		3188		3570		5852	
5954	33985	3750		4706		3318		3925		5864	
5955	33986	3900		4525		4347		4257		6745	
5956	33987	3950		4850		2227		3676		5664	
5957	33988	3730		5182		3352		4088		6769	
5958	33989	3800		5459				4630	4#	1904	
5959	Irrigated medium dry DSR: DRR Dhan 55	3780		5353		3017		4050		7521	
5960	33990	3800		5887		2670		4119		6569	
5961	33991	3760		4947		3460		4056		4301	
5962	33992	3800		2938		2966		3235		5053	
5963	33993	3590		3846		2943		3460		6710	
5964	Local check	4100	7	5288		4295		4561	9	7015	
Experimental Mean		3707		4706		3504		3979		5993	
CD(0.05)		514		1275		985		527		1037	
CV(%)		6.93		13.56		14.06		6.62		8.66	
F val		7.66**		6.44**		8.19**		8.69**		21.44**	
DOS		27-06-2025		10-07-2025		28-06-2025				03-07-2025	
DOP											
Local Check Name		R. Nilam		Sabour Viiv		Sabour Harshit				MSMD 1	

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN (4)		ZONE IV - NORTH EASTERN		ZONE V - CENTRAL	
		Mean		Tripura Arundhutinagar		Chhattisgarh Raipur	
5901	33937	4581		3500	#	6845	3#
5902	33938	5522	3#	3553	#	5292	#
5903	33939	5338	6#	2737		4464	#
5904	33940	5518	4#	3184		1720	
5905	33941	5194	10#	3053		3720	#
5906	33942	5291	8#	3158		5851	8#
5907	33943	4431		3684	#	3702	#
5908	Irrigated early dry DSR: DRRH 4 (EHC)	3715		2658			
5909	33944	5909	2*#	3605	#	5411	#
5910	33945	4518		3200		4970	#
5911	33946	3983		3263		2393	
5912	33947	6023	1*#	2842		6411	5#
5913	33948	5468	5#	4026	8#	5619	9#
5914	33949	4946	#	2705		6071	6#
5915	33950	2848		3211			
5916	33951	2681		3079		1256	
5917	33952	3678		3000		1851	
5918	33953	4588		2947		5976	7#
5919	33954	4197		3789	#	1458	
5920	33955	4024		3053		1131	
5921	Irrigated medium dry DSR: DRR Dhan 70	4743		3342		5405	
5922	33956	5202	9#	4289	4#	4929	#
5923	33957	3875		3316		2780	
5924	33958	4631		3158		2321	
5925	33959	4520		2842		3690	#
5926	33960	4257		4474	1#	3179	
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)	4379		3079		2089	
5928	33961	3183		2474		786	
5929	33962	2748		2868		976	
5930	33963	3824		4026	8#	3768	#
5931	33964	5186	#	3395		7226	2*#
5932	33965	4695		2526		2024	
5933	33966	4849	#	2947		1345	
5934	33967	4323		3316		5476	10#
5935	33968	5051	#	3289		7548	1*#
5936	33969	4647		3816	10#	488	
5937	33970	4630		3526	#	3452	
5938	Irrigated early dry DSR: Shabhagidhan	4646		2789		2065	
5939	33971	4671		4184	6#	1750	
5940	33972	4308		3211		2399	
5941	33973	5295	7#	2637		4143	#
5942	33974	2473		3321			
5943	33975	4888	#	2816		4643	#
5944	33976	4216		3000		4548	#
5945	33977	4507		3500	#	2018	
5946	33978	4686		3500	#	4250	#
5947	33979	3803		4105	7#	1244	
5948	33980	3612		3342		4232	#
5949	33981	5026	#	3184		6554	4#
5950	33982	4735		4289	4#	3601	
5951	33983	4856	#	3526	#	5333	#
5952	Irrigated late dry DSR: DRR Dhan 50	4204		3711		1042	
5953	33984	4141		3737	#	4012	#
5954	33985	4410		2947		3970	#
5955	33986	4879	#	2737		4470	#
5956	33987	4173		3553	#	2387	
5957	33988	4758		3184		2827	
5958	33989	3721		3105		1994	
5959	Irrigated medium dry DSR: DRR Dhan 55	4918		4474	1	3345	
5960	33990	4731		3184		2637	
5961	33991	4117		3421		327	
5962	33992	3689		4421	3#	3637	
5963	33993	4272		3000		2810	
5964	Local check	5175		3684		5089	
Experimental Mean		4470		3336		3557	
CD(0.05)		468		384		1576	
CV(%)		5.24		5.76		22.15	
F val		19.66**		13.11**		10.92**	
DOS				03-09-2025		03-07-2025	
DOP							
Local Check Name				CR-311		Bastar Dhan-1	

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN									
		Gujarat					Gujarat (2)		Maharashtra		
		Navasari		Vyra			Mean		Vadgaon		Parabhani
5901	33937	3651		3878	#		3764	#	4442		2900
5902	33938	4328		3528	#		3928	#	3853		3300
5903	33939	4381		3053			3717		4506		3100
5904	33940	3397		3471	#		3434		3312		2850
5905	33941	4164		4460	6*#		4312	#	3992		3200
5906	33942	4026		3900	#		3963	#	3556		3200
5907	33943	3180		4152	9#		3666		4234		2650
5908	Irrigated early dry DSR: DRRH 4 (EHC)										
5909	33944	3963		5139	3*#		4551	5*#	5848	9#	3550
5910	33945	3672		2427			3049		4258		3300
5911	33946	3799		3240	#		3519		4484		3250
5912	33947	4815	5#	5454	1*#		5135	1*#	6392	5*#	3450
5913	33948	4952	3#	4340	8#		4646	3*#	5164		3400
5914	33949	5196	2#	4017	#		4606	4*#	5086		3350
5915	33950								4750		700
5916	33951	4831	4#	364			2598		5350		5400
5917	33952			1286			1286		4242		1750
5918	33953	3370		3796	#		3583		3730		2650
5919	33954	4259		2538			3399		3961		2500
5920	33955	3138		1482			2310		3772		2650
5921	Irrigated medium dry DSR: DRR Dhan 70										
5922	33956	3693		5290	2*#		4492	7*#	5766	10	4100
5923	33957	4005		3429	#		3717		4383		3700
5924	33958	3926		3888	#		3907	#	3833		3450
5925	33959	3989		4440	7*#		4215	#	2991		3100
5926	33960	2794		2457			2625		4159		2700
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)										
5928	33961	2905		2017			3051		4656		4150
5929	33962			411			1658		3308		2100
5930	33963			1011			1011		3789		2300
5931	33964	4746	10#	3182	#		3964	#	4256		3050
5932	33965	4746	9#	3870	#		4308	#	5078		3200
5933	33966	5249	1*#	3809	#		4529	6*#	4120		3300
5934	33967	3968		3658	#		3813	#	3175		3150
5935	33968	4619		4029	#		4324	10#	5278		4050
5936	33969	4772	7#	4070	10#		4421	8*#	4525		3700
5937	33970	4788	6#	3654	#		4221	#	3078		3200
5938	Irrigated early dry DSR: Shabhagidhan										
5939	33971	4249		3429	#		3839	#	5278		3500
5940	33972	4333		2760			3547		4508		3050
5941	33973	3550		3743	#		3647		3117		2850
5942	33974	3651		2744			3198		4664		4100
5943	33975	3757		4489	5*#		4123	#	4359		3700
5944	33976	3286		2383			2835		3500		2500
5945	33977	4159		2966			3562		4253		2750
5946	33978	3503		3228	#		3365		4820		3600
5947	33979	3450		3430	#		3440		3688		4250
5948	33980	4593		4047	#		4320	#	3742		2250
5949	33981	4545		2804			3675		5281		3750
5950	33982	4540		2864			3702		4442		2300
5951	33983	3550		3188	#		3369		4041		4100
5952	Irrigated late dry DSR: DRR Dhan 50										
5953	33984	3614		2253			2934		5728		3725
5954	33985	3524		2872			3198		6758	2*#	5150
5955	33986	2958		2720			2839		4219		3600
5956	33987	3571		2698			3135		4016		2800
5957	33988	3810		3572	#		3691		6250	6#	3300
5958	33989	4656		4724	4*#		4690	2*#	6028	7#	3350
5959	Irrigated medium dry DSR: DRR Dhan 55										
5960	33990	4751	8#	3943	#		4347	9#	4897		2850
5961	33991			2211			2211		6609	3*#	3000
5962	33992	3714		2858			3286		5966	8#	
5963	33993			3260			3260		4055		3350
5964	Local check										
Experimental Mean		4344		3318	#		3831	#	7141	1*#	2750
CD(0.05)		3524		2278			2901		3097		3150
CV(%)		4466		3916	#		4191	#	6442	4*#	3800
F val		3709		2024			2867		4644		3000
DOS		4397		3021			3709		4969		3250
DOP		4037		3229			3566		4588		3200
Local Check Name		652		1128			677		1115		688
		8.06		17.47			9.5		12.16		10.76
		6.65**		6.89**			11.18**		6.31**		9.02**
		14-07-2025		09-07-2025					08-07-2025		02-07-2025
		GAR-201		GAR-201					Phule Kolam		Avishkar

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN				ZONE VI - WESTERN (5)		ZONE VII - SOUTHERN			
		Maharashtra		Maharashtra (3)		Mean		Andhra Pradesh		Karnataka	
		Karjat		Mean		Mean		Maruteru		Mandya	
5901	33937	3224		3522		3619		3275		2815	#
5902	33938	5610	6	4254		4124		4601		3543	#
5903	33939	4260		3955		3860		3875		2500	
5904	33940	3622		3262		3330		3551		3800	5#
5905	33941	4641		3944		4091		5426	#	3636	#
5906	33942	4986		3914		3934		3825		3636	#
5907	33943	3965		3617		3636		4025		3485	#
5908	Irrigated early dry DSR: DRRH 4 (EHC)							4400		1509	
5909	33944	6240	3	5213	3	4948	2*#	4226		3654	10#
5910	33945	2886		3481		3308		3551		2960	#
5911	33946	4561		4098		3867		3525		2576	
5912	33947	5794	4	5212	4	5181	1*#	2950		3566	#
5913	33948	3445		4003		4260		4950		3118	#
5914	33949	4320		4252		4394	10	4950		3077	#
5915	33950	5093		3514		3514		6675	9#	2028	
5916	33951	6917	1#	5889	1*#	4572	6#	4900		4103	1#
5917	33952	2468		2820		2436		4325		2634	
5918	33953	5292	10	3890		3767		4399		1993	
5919	33954	2924		3128		3236		4350		3706	7#
5920	33955	2695		3039		2747		4975		3677	8#
5921	Irrigated medium dry DSR: DRR Dhan 70	3549		3670		3662		7300	4	3094	
5922	33956	4787		4884	7	4727	3#	6975	6#	2582	
5923	33957	5582	7	4555		4220		5850	#	2238	
5924	33958	4262		3848		3872		3975		3234	#
5925	33959	3502		3198		3604		7351	2#	3374	#
5926	33960	2340		3067		2890		3325		3572	#
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)	5446	9	4751	10	4071		3550		2080	
5928	33961	2325		2578		2210		2450		1900	
5929	33962	2055		2715		2289		5525	#	1195	
5930	33963	5711	5	4339		4189		3625		3671	9#
5931	33964	5163		4480		4411	9	6975	6#	3998	3#
5932	33965	4247		3889		4145		5925	#	2506	
5933	33966	5536	8	3954		3897		5899	#	2920	#
5934	33967	3776		4368		4350		5660	#	3036	#
5935	33968	3587		3937		4131		4399		2885	#
5936	33969	4452		3577		3835		4726		2949	#
5937	33970	4867		4548		4265		3450		3811	4#
5938	Irrigated early dry DSR: Shabhagidhan	3338		3632		3598		6750	8	1597	
5939	33971	3524		3164		3357		5250		3625	#
5940	33972	4321		4362		3896		4825		3444	#
5941	33973	4004		4021		4062		4200		3654	#
5942	33974	2840		2947		2902		3875		2611	
5943	33975	2090		3031		3244		5975	#	3054	#
5944	33976	4380		4267		3906		2551		3596	#
5945	33977	2643		3527		3492		4381		1579	
5946	33978	3443		3145		3615		7324	3#	3240	#
5947	33979	3854		4295		4047		3975		3036	#
5948	33980	5277		4006		3885		4685		2640	
5949	33981	4876		4339		3951		5575	#	2448	
5950	33982	4040		4498		3872		4050		3019	#
5951	33983	2672		4860	9	4195		4425		2634	
5952	Irrigated late dry DSR: DRR Dhan 50	3383		3734		3376		3775		1993	
5953	33984	3205		3340		3258		4550		1853	
5954	33985	3113		4221		4009		7426	1#	3409	#
5955	33986	4790		4723		4710	4#	4926		3129	#
5956	33987	4098		3948		4108		5000		3572	#
5957	33988	2740		4116		3640		6601	10#	3648	#
5958	33989	4713		5339	2	4313		3425		2669	#
5959	Irrigated medium dry DSR: DRR Dhan 55	4801		4068		3866		7000	5	3584	
5960	33990	4751		4881	8	4461	7	4550		3421	#
5961	33991	2723		2990		2954		2800		1678	
5962	33992	4754		4999	5	4675	5#	4575		3776	6#
5963	33993	4609		4084		3597		4625		3147	#
5964	Local check	6545	2	4921	6	4436	8	5500		4004	2
Experimental Mean		4122		3981		3826		4786		2986	
CD(0.05)		1113		603		458		1017		577	
CV(%)		13.51		7.58		5.99		10.64		9.66	
F val		8.39**		10.94**		13.79**		12.4**		12.22**	
DOS		17-07-2025						27-07-2025		19-08-2025	
DOP											
Local Check Name		Karjat 3						MTU 1140		Daksha	

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									
		Karnataka				Karnataka (3)		Kerala		Telangana	
		Brahmavar		Mugad		Mean		Monocompu		Rajendranagar	
5901	33937	3220		4051		3362		6250		3564	
5902	33938	3434		4448		3809		7083	7*#	3661	
5903	33939	3308		4201		3336		6400	#	3490	
5904	33940	2759		5633		4064	9	5567		5751	
5905	33941	3769	9	4145		3850		6167		5662	
5906	33942	3447		4295		3793		5000		6049	
5907	33943	3245		4112		3614		5650		4159	
5908	Irrigated early dry DSR: DRRH 4 (EHC)			4318		2914		3933		5484	
5909	33944	3561		4750		3988		4200		5342	
5910	33945	2980		4138		3359		6650	#	5335	
5911	33946	3535		4997		3703		5600		4442	
5912	33947	4122	2	7038	2	4909	1*	7583	5*#	5677	
5913	33948	2936		6367	6	4140	8	6450	#	6622	10
5914	33949	3939	5	4357		3791		5967		5513	
5915	33950			4730		3379		6183		3534	
5916	33951	3554		6811	4	4823	2*	6750	10*#	5551	
5917	33952	2456		3431		2840		4317		5164	
5918	33953	3062		4159		3071		6433	#	5528	
5919	33954	2165		4245		3372		7033	8*#	4315	
5920	33955	2588		4362		3543		2533		5521	
5921	Irrigated medium dry DSR: DRR Dhan 70	3491		4128		3571		2800		6161	
5922	33956	3352		5188		3707		4333		5543	
5923	33957	3239		4462		3313		7300	6*#	4844	
5924	33958	3485		4056		3592		5117		6815	7
5925	33959	3510		4308		3731		5433		7202	2
5926	33960	3207		4170		3650		3317		5007	
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)	3845	8	7459	1	4461	3	5250		6198	
5928	33961	3561		4187		3216		1650		3341	
5929	33962	2184		4108		2496		1083		3839	
5930	33963	3333		6214	7	4406	5	4533		6079	
5931	33964	2658		4857		3838		3383		6711	9
5932	33965	3302		4456		3421		3600		6190	
5933	33966	3327		4443		3563		3667		5387	
5934	33967	3258		5338		3877		6483	#	4516	
5935	33968	4097	3	5470		4151	7	3300		5699	
5936	33969	3523		5547		4006		3967		4375	
5937	33970	3479		4564		3951		5100		6778	8
5938	Irrigated early dry DSR: Shabhagidhan	3523		4165		3095		5567		4717	
5939	33971	3447		3735		3602		5067		5231	
5940	33972	3207		4126		3592		3817		6845	5
5941	33973	3447		4249		3783		7850	2*#	6116	
5942	33974	3087		5315		3671		4950		2887	
5943	33975	3504		4613		3723		4833		7381	1
5944	33976	3655		4206		3819		2817		6198	
5945	33977	2235		6840	3	3551		8467	1*#	5662	
5946	33978	3529		6097	8	4289	6	5967		4301	
5947	33979	2891		5646	10	3858		5500		5216	
5948	33980	4318	1	6413	5	4457	4	4433		5097	
5949	33981	2803		4367		3206		6983	9*#	5796	
5950	33982	2172		4168		3120		6600	#	4978	
5951	33983	3554		5138		3775		5567		4881	
5952	Irrigated late dry DSR: DRR Dhan 50	3700	10	4214		3302		3700		5818	
5953	33984	4034	4	4704		3530		7817	3*#	5402	
5954	33985	2708		4092		3403		2883		5097	
5955	33986	2658		4262		3350		5833		5112	
5956	33987	3201		4152		3642		2750		4725	
5957	33988	2929		4607		3728		7650	4*#	3653	
5958	33989	3876	7	4026		3524		4083		4345	
5959	Irrigated medium dry DSR: DRR Dhan 55	2235		5832	9	3883		5200		4821	
5960	33990	2102		4405		3309		4583		7165	3
5961	33991	2342		4871		2964		2733		4249	
5962	33992	3643		4766		4062	10	5117		6823	6
5963	33993	2904		4057		3369		4183		6533	
5964	Local check	3914	6	3985		3967		5133		7046	4
Experimental Mean		3235		4759		3659		5096		5330	
CD(0.05)		775		1287		586		1145		1804	
CV(%)		11.98		13.54		8.01		11.24		16.94	
F val		3.84**		3.74**		4.55**		15.75**		2.77**	
DOS		04-08-2025		14-07-2025				14-07-2025			
DOP											
Local Check Name		Mahaveere		MAS-946-1				MO-16 (Uma)			

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN							
		Telangana		Telangana (2)		Tamil Nadu			
		Warangal		Mean		Coimbatore		Adutrai	
5901	33937	7545	#	5555		4830		3671	
5902	33938	7455	#	5558		3782		3924	
5903	33939	7506	#	5498		5219		4051	
5904	33940	7571	#	6661	#	5008		3228	
5905	33941	4974		5318		4407		3924	
5906	33942	7468	#	6758	#	3977		3608	
5907	33943	7494	#	5826		4359		3671	
5908	Irrigated early dry DSR: DRRH 4 (EHC)	3247		4365		4034			
5909	33944	8558	1#	6950	10#	5917		3671	
5910	33945	3766		4551		3758		3544	
5911	33946	3831		4137		5950		3987	
5912	33947	3987		4832		7638	1*	4430	7
5913	33948	7961	5#	7292	4#	7256	3*	4747	2
5914	33949	8312	2#	6913	#	4375		3671	
5915	33950	2948		3241		3872		3987	
5916	33951	8286	3#	6918	#	6518	7	3797	
5917	33952	3299		4231		6015		4430	7
5918	33953	7273	#	6401	#	4610		4114	
5919	33954	3753		4034		4894		3481	
5920	33955	4455		4988		4302		3608	
5921	Irrigated medium dry DSR: DRR Dhan 70	7286		6723		4448		4684	3
5922	33956	4364		4953		5844		3228	
5923	33957	7273	#	6058		4700		3797	
5924	33958	7714	8#	7265	5#	5511		4114	
5925	33959	8130	4#	7666	1#	5568		3987	
5926	33960	5273		5140		5024		3481	
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)	3987		5092		6640	5	4304	10
5928	33961	3545		3443		4407		3671	
5929	33962	3714		3777		4675			
5930	33963	3377		4728		5682		4430	7
5931	33964	3519		5115		5203		4051	
5932	33965	5390	#	5790		6623	6	4620	4
5933	33966	4065		4726		5341		3481	
5934	33967	4948		4732		5211		5696	1*#
5935	33968	5156		5428		6088	10	3671	
5936	33969	4948		4662		6437	8	3861	
5937	33970	5208		5993		5390		3734	
5938	Irrigated early dry DSR: Shabhagidhan	5065		4891		4489		3734	
5939	33971	7273	#	6252	#	4383		3418	
5940	33972	7792	7#	7319	2#	5739		3797	
5941	33973	7675	10#	6896	#	5852		3481	
5942	33974	3390		3138		5584		4051	
5943	33975	7208	#	7294	3#	6420	9	3734	
5944	33976	7234	#	6716	#	5235		3544	
5945	33977	3792		4727		5901		3797	
5946	33978	5078		4689		7037	4*	3734	
5947	33979	7286	#	6251	#	6080		3671	
5948	33980	7065	#	6081		7281	2*	3671	
5949	33981	7091	#	6444	#	6063		3797	
5950	33982	7506	#	6242	#	4172		3481	
5951	33983	7558	#	6220	#	4773		4620	4
5952	Irrigated late dry DSR: DRR Dhan 50	7052		6435		5528		4304	
5953	33984	4416		4909		5097		3418	
5954	33985	7039	#	6068		5795		3481	
5955	33986	7455	#	6283	#	4391		3481	
5956	33987	7714	8#	6219	#	3912		3481	
5957	33988	3844		3749		4846		3481	
5958	33989	7623	#	5984		4968		3861	
5959	Irrigated medium dry DSR: DRR Dhan 55	7545		6183		5844		3608	
5960	33990	7065	#	7115	7#	3856		3671	
5961	33991	3442		3845		5698		4557	6
5962	33992	7286	#	7054	8#	5325		3481	
5963	33993	7831	6#	7182	6#	5998		3924	
5964	Local check	7026		7036	9	5049		4177	
Experimental Mean		5999		5665		5294		3868	
CD(0.05)		1350		1018		1031		682	
CV(%)		11.26		9		9.75		8.81	
F val		13.8**		10.44**		6.55**		3.29**	
DOS		04-08-2025				08-09-2025		30-06-2025	
DOP									
Local Check Name		JGL-24423				CO-53		ADT 59	

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN Tamil Nadu (2)		ZONE VII - SOUTHERN (9)		Uttar Pradesh (2)	
		Mean		Mean		Mean	
5901	33937	4250		4358		5069	
5902	33938	3853		4659		5932	8#
5903	33939	4635		4506		6239	4*#
5904	33940	4118		4763		6298	3*#
5905	33941	4166		4679		5913	9#
5906	33942	3792		4589		5884	10#
5907	33943	4015		4467		5370	
5908	Irrigated early dry DSR: DRRH 4 (EHC)	4034		3847			
5909	33944	4794		4875		6582	2*#
5910	33945	3651		4076		4205	
5911	33946	4969		4272		4278	
5912	33947	6034	1*	5221	4#	6695	1*#
5913	33948	6002	2*	5601	1*#	5511	#
5914	33949	4023		4907		4916	
5915	33950	3930		4245		3129	
5916	33951	5158	9	5586	2*#	3254	
5917	33952	5222	8	4008		3743	
5918	33953	4362		4619		4435	
5919	33954	4188		4216		4205	
5920	33955	3955		4002		4293	
5921	Irrigated medium dry DSR: DRR Dhan 70	4566		4821		4972	
5922	33956	4536		4601		6075	5*#
5923	33957	4249		4856		4939	
5924	33958	4813		4891		5429	#
5925	33959	4778		5429	3#	4513	
5926	33960	4253		4042		4636	
5927	Irrigated late dry DSR: CR Dhan 702 (LHC)	5472	5	4812		4731	
5928	33961	4039		3190		2895	
5929	33962	4675		3291		3204	
5930	33963	5056		4549		4283	
5931	33964	4627		4595		5331	
5932	33965	5622	3*	4735		4909	
5933	33966	4411		4281		4609	
5934	33967	5454	6	4905		4576	
5935	33968	4879		4529		5656	#
5936	33969	5149	10	4481		4736	
5937	33970	4562		4613		5735	#
5938	Irrigated early dry DSR: Shabhagidhan	4111		4401		5314	
5939	33971	3900		4603		6027	7*#
5940	33972	4768		4844		4768	
5941	33973	4667		5169	6	6067	6*#
5942	33974	4818		3972		1945	
5943	33975	5077		5191	5	4704	
5944	33976	4390		4337		4639	
5945	33977	4849		4739		4464	
5946	33978	5386	7	5145	7	4517	
5947	33979	4875		4811		3235	
5948	33980	5476	4	5067	10	3709	
5949	33981	4930		4992		5355	
5950	33982	3827		4461		5820	#
5951	33983	4696		4794		4827	
5952	Irrigated late dry DSR: DRR Dhan 50	4916		4454		3861	
5953	33984	4258		4588		4857	
5954	33985	4638		4659		4956	
5955	33986	3936		4583		5071	
5956	33987	3697		4279		4394	
5957	33988	4163		4584		5439	#
5958	33989	4414		4320		3252	
5959	Irrigated medium dry DSR: DRR Dhan 55	4726		5074	9	5323	
5960	33990	3763		4535		4857	
5961	33991	5128		3597		3796	
5962	33992	4403		4977		5040	
5963	33993	4961		4800		4794	
5964	Local check	4613		5093	8	4907	
Experimental Mean		4589		4597		4811	
CD(0.05)		627		387		647	
CV(%)		6.83		4.21		6.72	
F val		6.34**		11.57**		17.26**	
DOS							
DOP							
Local Check Name							

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Table No. 27.2 (Contd.): Grain Yield (kg/ha) in IVT – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN				ZONE V - CENTRAL				ZONE VI - WESTERN	
		Uttarpradesh				Chhattisgarh		Madhya Pradesh		Gujarat	
		@Gorakpur		@Masodha		@Jagadapur		@Rewa		@Nawagam	
5901	33937	8281	1	4129	6	3562		2500	6	2023	
5902	33938	3885		4787	1	4788		1016		1852	
5903	33939	6865	3	4621	2	4081		3594	2	2058	
5904	33940	667		3477		4250		2344	10	1941	
5905	33941	6453	4	3005		3962				1920	
5906	33942	3901		3690	9	4700		3750	1	1739	
5907	33943	615		2301		4544		1953		1883	
5908	Irrigated early dry DSR: DRRH 4 (EHC)	932				4688				1730	
5909	33944	891		3358		5519		1641		2106	
5910	33945	599		2374		4362		1172		1836	
5911	33946	1133		2207		5300		1250		1893	
5912	33947	703		2327		4931		2422	8	1498	
5913	33948	693		1529		4825				1928	
5914	33949	1328		2500		5553				1599	
5915	33950	4052		1110		3641		938		2161	
5916	33951	1132		1356		5766	6	1328		1571	
5917	33952	6050	5	2660		3531		2422	8	2223	
5918	33953	5800	7	2759		4469				1983	
5919	33954	7667	2	3125		4353		1367		2039	
5920	33955	4350		1430		4219				2392	4
5921	Irrigated medium dry DSR: DRR Dhan 70	4983		1995		4622		1641		1899	
5922	33956	1328		2653		5603	9	1250		1978	
5923	33957	3967		1410		4684		703		1987	
5924	33958	775		1436		3956		2266		1597	
5925	33959	685		3324		4294		2500	6	1553	
5926	33960	5975	6	1961		4369		1641		1760	
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	700		1676		5888	3	1406		2293	8
5928	33961	1305		2121		3416		1172		2372	5
5929	33962	2030		2301		4175		742		2094	
5930	33963	1350		1011		5319		2344		1506	
5931	33964	5475	9	1795		5988	2	859		1873	
5932	33965	520		1277		5312		2969	4	1855	
5933	33966	582		3391		5381		2266		2529	2
5934	33967	2022		991		5869	4	2031		1928	
5935	33968	1192		2380		5584		2266		1952	
5936	33969	3350		1097		5719	8	1094		2147	
5937	33970	830		1795		5759	7	1016		1760	
5938	Irrigated early dry DSR: Shabhagidhan	625		2420		3694		1016		2361	6
5939	33971	897		2493		3944		1094		2309	7
5940	33972	1300		1297		4172		820		1790	
5941	33973	960		3664		5590	10	781		2048	
5942	33974	752		2101		4700		1992		2217	
5943	33975	767		2294		5044		1562		1930	
5944	33976	3950		2374		4641		742		1994	
5945	33977	4317		1230		5831	5	1367		1644	
5946	33978	1025		2114		5475		820		2200	
5947	33979	975		2188		5569				1778	
5948	33980	1098		1642		4769		3125	3	1938	
5949	33981	3967		3923	7	4950		1016		2286	9
5950	33982	4250		3298		4700		703		2249	10
5951	33983	747		1828		6150	1	2031		2218	
5952	Irrigated late dry DSR: DRR Dhan 50	847		1695		4409				2214	
5953	33984	1550		2719		4019		1094		1458	
5954	33985	1580		4422	3	3922		1641		1771	
5955	33986	5450	10	2866		5172		1094		1691	
5956	33987	698		3118		3951		1367		1561	
5957	33988	1000		4176	5	3603		938		2103	
5958	33989	1600		1596		3862		938		1552	
5959	Irrigated medium dry DSR: DRR Dhan 55	598		3418		4072		1094		2044	
5960	33990	5650	8	3384		4853		1641		1788	
5961	33991	783		1656		4731				2392	3
5962	33992	943		3757	8	4756		1992		1532	
5963	33993	1208		4362	4	4888		2656	5	2105	
5964	Local check	1183		3684	10	4928		1211		3178	1
Experimental Mean		2372		2525		4740		1611		1966	
CD(0.05)		646		917		1687		481		517	
CV(%)		13.62		18.17		17.81		14.91		13.17	
F val		87.65**		9.49**		1.44ns		19.69**		2.73**	
DOS		22-06-2025		24-07-2025		19-06-2025		10-07-2025		24-07-2025	
DOP											
Local Check Name		SAMBA SUB-1		NDR 2064		Indravati Dhan		MTU 1010		GAR 201	

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Table No. 27.3: Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN											
		Haryana						Haryana (2)			Punjab		
		Karnal			Kaul			Mean			Ludhiana		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	106	80	293	91	94	232	98	87	263	94	95	314
5902	33938	92	94	242	92	109	208	92	102	225	85	102	414
5903	33939	90	88	395	88	110	237	89	99	316	82	116	345
5904	33940	90	94	341	88	113	230	89	103	286	84	106	361
5905	33941	86	109	381	88	106	234	88	108	308	84	108	425
5906	33942	91	122	329	94	102	208	92	112	268	80	113	330
5907	33943	100	62	260	98	58	253	100	60	256	100	84	360
5908	Irrigated early dry DSR: DRRH 4 (EHC)												
5909	33944	98	87	340	100	96	248	99	91	294	96	120	340
5910	33945	83	80	303	96	84	221	90	82	262	86	87	361
5911	33946	107	91	282	102	116	208	104	104	246			
5912	33947	94	86	324	98	107	239	96	96	282	100	112	335
5913	33948	104	82	255	94	117	238	99	100	246	104	104	416
5914	33949	82	82	341	92	80	237	86	81	289	82	81	455
5915	33950				94	93	205	94	93	205			
5916	33951	108	67	175				108	67	175			
5917	33952	96	82	279	104	92	218	100	87	248	92	102	300
5918	33953	89	67	249	97	68	236	93	67	243	86	75	380
5919	33954	88	74	261	97	70	242	92	72	251	83	89	390
5920	33955	83	86	342				83	86	342	74	84	246
5921	Irrigated medium dry DSR: DRR Dhan 70	78	90	326	97	104	253	88	97	290	80	109	410
5922	33956	98	70	277	98	94	189	98	82	233	96	88	334
5923	33957	94	72	329	100	76	154	96	74	242	87	85	375
5924	33958	110	68	301	102	62	218	106	65	260	92	84	375
5925	33959	96	71	320				96	71	320	89	97	396
5926	33960	88	68	286				88	68	286	84	73	420
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	110	81	283				110	81	283			
5928	33961	83	95	279	92	80	242	87	87	260	78	117	320
5929	33962	88	115	242	94		242	90	115	242	86	132	340
5930	33963	101	65	218				101	65	218			
5931	33964	107	89	300				107	89	300	106	106	275
5932	33965	98	68	295				98	68	295	100	92	320
5933	33966	111	80	172	98	100	228	104	90	200	104	106	410
5934	33967	109	70	224				109	70	224			
5935	33968	112	93	340	104	82	256	108	87	298			
5936	33969	112	72	198				112	72	198			
5937	33970	84	90	346	105	82	254	94	86	300			
5938	Irrigated early dry DSR: Shabhagidhan	80	89	330	87	102	256	84	95	293	84	96	330
5939	33971	82	89	412	88	84	248	85	87	330	78	74	340
5940	33972	108	63	242				108	63	242			
5941	33973	90	82	354	98	84	234	94	83	294	90	92	270
5942	33974	108	85	204				108	85	204			
5943	33975	100	89	313				100	89	313			
5944	33976	100	74	359	102	83	258	101	79	309	90	120	446
5945	33977	94	88	372	98	82	253	96	85	312	106	88	375
5946	33978	105	112	307	101	120	235	103	116	271	100	128	350
5947	33979	117	74	178				117	74	178			
5948	33980	110	105	378	100	140	254	105	122	316			
5949	33981	98	84	376	97	90	249	97	87	312	86	91	375
5950	33982	88	104	409	86	95	265	87	99	337	82	105	400
5951	33983	119	59	229				119	59	229			
5952	Irrigated late dry DSR: DRR Dhan 50	92	62	254				92	62	254			
5953	33984	90	68	358	98	80	256	94	74	307	92	82	296
5954	33985	87	120	408	96	95	221	91	108	314	82	108	380
5955	33986	96	64	360	102	92	219	99	78	290	102	87	289
5956	33987	84	78	359	101	82	216	93	80	287	82	73	384
5957	33988	120	100	350	102	88	209	111	94	280	99	122	320
5958	33989	122	72	250				122	72	250			
5959	Irrigated medium dry DSR: DRR Dhan 55	83	94	346	101	81	234	92	87	290	84	84	325
5960	33990	96	74	296	102	87	228	99	80	262	80	108	294
5961	33991	109	62	182				109	62	182			
5962	33992	100	84	345	92	115	248	96	99	297	86	124	350
5963	33993	104	68	293	92	100	258	98	84	275	94	99	344
5964	Local check	101	87	326	88	96	251	95	92	289	81	87	306
Experimental Mean		97	82	301	96	92	233	98	85	269	89	98	353
Standard Error		3.18			0.47			2.58			1.16		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE II - NORTHERN			ZONE II -			ZONE III - EASTERN					
		Uttar Pradesh			NORTHERN (4)			Bihar					
		Nagina			Mean			Pusa			Bikramganj (Dhangain)		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5901	33937	105	103	341	99	93	295	84	78	237	94	109	310
5902	33938	92	106	326	90	103	298	78	84	230	90	128	288
5903	33939	112	104	250	93	104	307	84	76	214	78	123	301
5904	33940	112	102	368	93	104	325	85	82	220	80	118	282
5905	33941	80	109	339	85	108	345	76	68	219	82	116	280
5906	33942	80	104	252	86	110	280	76	86	228	81	118	318
5907	33943	108	103	332	102	77	301	86	70	225	100	99	298
5908	Irrigated early dry DSR: DRRH 4 (EHC)							82	82	234	100	106	278
5909	33944	106	110	346	100	103	318	90	92	228	87	136	269
5910	33945	86	90	278	88	85	291	76	75	217	80	108	277
5911	33946	112	95	286	107	101	259	100	81	205	90	106	256
5912	33947	100	110	296	98	104	298	90	98	234	87	116	296
5913	33948	102	109	297	101	103	301	88	92	228	94	128	315
5914	33949	88	95	281	86	84	328	88	71	230	83	103	262
5915	33950	118	105	244	106	99	224	102	84	204	119	108	250
5916	33951	126	99	200	117	83	187	98	84	206	119	120	310
5917	33952	102	106	302	99	95	275	82	82	218	85	134	294
5918	33953	85	90	233	89	75	274	78	72	240	82	100	278
5919	33954	82	92	244	88	81	284	82	84	217	81	107	318
5920	33955	74	84	275	77	85	288	78	74	236	77	106	312
5921	Irrigated medium dry DSR: DRR Dhan 70	88	97	302	86	100	323	81	76	226	78	106	301
5922	33956	106	97	262	99	88	266	89	86	233	88	108	328
5923	33957	93	89	282	93	81	285	80	78	206	89	114	334
5924	33958	95	87	204	100	75	275	90	86	234	101	102	306
5925	33959	92	106	238	92	91	318	84	86	229	87	120	322
5926	33960	85	88	204	86	76	303	78	73	234	83	99	327
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	120	87	308	114	84	296	102	90	204	104	109	230
5928	33961	67	90	238	80	95	270	78	82	236	77	118	316
5929	33962	72	110	204	84	119	257	77	94	234	78	134	300
5930	33963	130	70	186	115	68	202	96	81	235	107	97	294
5931	33964	120	94	250	111	96	275	86	86	244	94	112	282
5932	33965	116	88	286	104	82	300	93	72	226	89	108	304
5933	33966	113	104	284	106	97	273	94	82	219	90	116	310
5934	33967	122	85	261	116	78	242	101	80	222	105	106	342
5935	33968	107	111	320	108	95	305	96	100	234	92	124	326
5936	33969	128	98	218	120	85	208	91	87	228	117	108	272
5937	33970	120	102	266	103	91	289	93	92	225	100	115	284
5938	Irrigated early dry DSR: Shabhagidhan	86	105	278	84	98	298	78	77	226	80	126	303
5939	33971	80	89	308	82	84	327	78	76	222	78	98	281
5940	33972	120	93	329	114	78	285	101	84	228	75	106	272
5941	33973	91	102	274	92	90	283	84	86	232	82	120	297
5942	33974	126	89	270	117	87	237	101	85	228	119	118	313
5943	33975	108	96	208	104	93	260	96	88	232	91	124	326
5944	33976	88	103	216	95	95	320	84	100	240	80	136	325
5945	33977	119	89	216	104	86	304	96	82	228	100	112	301
5946	33978	120	108	272	106	117	291	96	99	226	99	138	235
5947	33979	126	83	214	122	78	196	100	96	219	106	124	258
5948	33980	118	113	213	109	119	282	96	101	232	105	136	244
5949	33981	94	99	238	94	91	310	80	81	223	82	125	257
5950	33982	82	103	230	84	102	326	76	73	232	80	114	231
5951	33983	126	76	282	122	68	256	98	78	227	114	108	302
5952	Irrigated late dry DSR: DRR Dhan 50	120	81	258	106	71	256	96	74	230	110	104	280
5953	33984	89	82	258	92	78	292	74	76	233	82	114	293
5954	33985	82	98	262	87	105	318	94	82	234	83	115	306
5955	33986	107	95	283	102	85	288	86	78	224	110	124	312
5956	33987	96	67	255	91	75	304	76	77	236	83	107	325
5957	33988	104	114	230	106	106	277	86	96	226	81	93	290
5958	33989	124	91	245	123	81	248	96	90	225	82	152	272
5959	Irrigated medium dry DSR: DRR Dhan 55	108	89	265	94	87	292	80	74	226	90	108	266
5960	33990	95	98	282	93	92	275	76	98	226	80	124	284
5961	33991	122	78	252	116	70	217	80	94	226	79	120	260
5962	33992	94	109	267	93	108	303	80	84	230	107	110	284
5963	33993	96	96	287	97	91	296	80	81	218	80	154	306
5964	Local check	65	101	270	84	93	288	84	84	232	94	120	253
Experimental Mean		102	96	266	99	91	282	86	83	226	90	115	291
Standard Error		0.4			1.3			1.41			0.16		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE III - EASTERN									ZONE III - EASTERN (4)		
		Bihar			Bihar (3)			Uttar Pradesh			Mean		
		Sabour			Mean			Varanasi			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	98	100	327	92	96	291	86	113	223	90	100	274
5902	33938	88	108	366	85	106	295	78	122	282	83	110	292
5903	33939	86	112	308	83	103	274	76	124	222	81	108	261
5904	33940	84	98	282	83	99	261	74	121	228	81	105	253
5905	33941	86	118	260	81	101	253	74	118	250	79	105	252
5906	33942	83	107	297	80	104	281	73	138	225	78	112	267
5907	33943	103	86	310	96	85	278	96	108	244	96	91	269
5908	Irrigated early dry DSR: DRRH 4 (EHC)				91	94	256	94	110		92	99	256
5909	33944	98	112	256	91	113	251	85	139	253	90	120	251
5910	33945	86	96	300	80	93	265	75	109	230	79	97	256
5911	33946	103	118	310	98	102	257	94	119	263	97	106	258
5912	33947	89	120	300	89	111	276	84	123	215	88	114	261
5913	33948	92	128	272	91	116	272	86	137	226	90	121	260
5914	33949	82	104	337	84	93	276	80	107	218	84	96	262
5915	33950	126	124	246	115	106	234	112	126	208	114	111	227
5916	33951	124	112	238	114	106	252	108	120	224	112	109	245
5917	33952	116	116	153	94	110	222	82	133	186	91	116	213
5918	33953	86	88	274	82	86	264	76	101	282	81	90	268
5919	33954	82	88	286	82	93	274	74	106	280	80	96	275
5920	33955	73	86	228	76	89	259	68	108	228	74	94	251
5921	Irrigated medium dry DSR: DRR Dhan 70	89	110	191	83	98	239	76	116	216	81	102	233
5922	33956	88	102	322	88	99	294	86	105	221	88	100	276
5923	33957	90	95	220	86	96	253	82	105	214	85	98	244
5924	33958	97	100	256	96	96	266	88	106	240	94	98	259
5925	33959	94	111	260	88	106	271	80	116	224	86	108	259
5926	33960	87	82	348	83	85	303	74	100	286	80	89	299
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	89	114	258	98	104	230	96	110	196	98	106	222
5928	33961	70	104	280	75	101	277	64	108	266	72	103	274
5929	33962	74	126	170	76	118	234	66	114	216	74	117	230
5930	33963	109	94	280	104	91	270	102	99	198	104	93	252
5931	33964	103	112	342	94	103	289	64	117	181	87	107	262
5932	33965	106	100	350	96	93	294	96	112	206	96	98	272
5933	33966	116	105	258	100	101	262	95	118	230	99	105	254
5934	33967	114	96	244	107	94	270	102	96	186	106	94	249
5935	33968	100	115	246	96	113	268	86	137	190	94	119	249
5936	33969	120	108	288	109	101	263	106	107	236	108	103	256
5937	33970	100	104	228	98	103	246	88	113	216	95	106	239
5938	Irrigated early dry DSR: Shabhadidhan	77	108	260	78	104	263	76	116	220	78	107	252
5939	33971	81	100	318	79	91	273	74	107	256	78	95	269
5940	33972	117	95	188	98	95	229	102	103	202	99	97	223
5941	33973	89	102	200	85	103	243	81	119	212	84	107	235
5942	33974	126	116	310	115	106	284	108	129	226	113	112	269
5943	33975	103	114	237	96	109	265	96	127	214	96	113	252
5944	33976	85	122	330	83	119	298	78	131	230	82	122	281
5945	33977	101	112	326	99	102	285	94	102	232	98	102	272
5946	33978	105	130	268	100	122	243	100	136	203	100	126	233
5947	33979	118	119	296	108	113	258	104	126	250	107	116	256
5948	33980	103	125	222	101	120	232	104	144	195	102	126	223
5949	33981	89	115	271	84	107	250	80	126	237	83	112	247
5950	33982	82	116	273	80	101	246	75	124	234	78	107	243
5951	33983	114	94	247	109	93	259	107	94	226	108	93	250
5952	Irrigated late dry DSR: DRR Dhan 50	109	94	359	105	90	290	96	105	218	103	94	272
5953	33984	85	90	326	80	93	284	80	102	232	80	95	271
5954	33985	86	116	245	88	105	262	76	124	223	85	110	252
5955	33986	87	98	232	94	100	256	88	104	264	93	101	258
5956	33987	85	88	198	81	91	253	79	99	236	81	93	249
5957	33988	116	128	241	94	106	253	88	142	212	92	115	243
5958	33989				89	121	249	108	112	196	96	118	231
5959	Irrigated medium dry DSR: DRR Dhan 55	88	102	232	86	95	241	79	114	259	84	100	246
5960	33990	83	114	220	80	112	243	80	128	230	80	116	240
5961	33991	114	89	312	91	101	266	106	99	233	95	101	258
5962	33992	88	126	253	91	107	256	82	135	278	89	114	261
5963	33993	86	104	185	82	113	236	82	112	237	82	113	237
5964	Local check	84	119	354	88	108	280	78	118	210	85	111	262
Experimental Mean		95	107	270	91	102	263	86	116	228	90	106	254
Standard Error		0.75			0.56			0.48			0.45		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE IV - NORTH EASTERN			ZONE V - CENTRAL			ZONE VI - WESTERN		
		Tripura			Chhattisgarh			Gujarat		
		Arundhutinagar			Raipur			Navasari		
		DFP	PH	PAN	DFP	PH	PAN	DFP	PH	PAN
5901	33937	84	106	522	91	108	237	92	112	142
5902	33938	84	96	558	79	105	216	83	124	160
5903	33939	84	105	414	77	95	244	82	131	160
5904	33940	80	117	486	78	95	260	81	121	150
5905	33941	82	126	522	80	87	234	80	134	158
5906	33942	82	114	450	84	107	258	80	130	148
5907	33943	83	121	558	80	87	190	92	102	140
5908	Irrigated early dry DSR: DRRH 4 (EHC)	86	96	378						
5909	33944	83	131	558	88	88	154	92	125	164
5910	33945	82	106	414	77	96	208	80	118	124
5911	33946	86	101	522	94	109	193	92	126	161
5912	33947	84	134	414	88	107	158	86	134	170
5913	33948	84	134	576	100	96	240	86	128	154
5914	33949	86	110	378	80	79	214	82	110	160
5915	33950	86	102	558	97					
5916	33951	84	141	450	110	92	94	100	142	160
5917	33952	82	114	450	85	96	142			
5918	33953	82	106	414	74	86	218	82	102	176
5919	33954	84	106	558	78	101	188	76	127	140
5920	33955	82	104	450	76	95	152	76	110	152
5921	Irrigated medium dry DSR: DRR Dhan 70	85	116	486	78	86	128	82	134	146
5922	33956	88	114	612	90	97	189	84	112	159
5923	33957	80	104	486	82	85	138	82	101	154
5924	33958	80	102	558	86	82	198	92	103	147
5925	33959	80	91	450	80	96	206	82	112	139
5926	33960	87	111	630	78	66	224	82	88	132
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	86	134	540	105	106	184	92	124	150
5928	33961	86	114	378	70	106	107	72	130	124
5929	33962	88	102	450	70	120	68			
5930	33963	88	96	576	97	88	204	102	122	158
5931	33964	92	134	540	96	107	228	94	135	174
5932	33965	82	96	414	92	85	180	94	111	181
5933	33966	88	104	450	101	94	82	92	125	147
5934	33967	90	102	558	104	89	194	94	131	150
5935	33968	88	119	486	92	125	168	88	140	142
5936	33969	84	98	558	106	91	72	98	128	148
5937	33970	86	106	540	92	99	139	90	130	148
5938	Irrigated early dry DSR: Shabhagidhan	86	116	414	76	87	80	80	120	129
5939	33971	84	106	594	76	87	118	81	130	137
5940	33972	84	92	486	102	94	192	92	115	151
5941	33973	84	104	450	84	88	152	84	122	126
5942	33974	84	104	522	118			94	135	161
5943	33975	80	114	414	94	97	242	92	132	156
5944	33976	82	111	522	80	100	192	84	140	165
5945	33977	82	104	558	98	84	118	106	120	156
5946	33978	83	126	522	96	99	180	92	149	146
5947	33979	86	122	594	106	94	104	100	127	138
5948	33980	83	111	486	98	108	189	96	140	158
5949	33981	82	86	414	96	84	218	84	102	132
5950	33982	86	114	612	80	95	132	82	120	118
5951	33983	84	76	504	105	86	194	102	94	119
5952	Irrigated late dry DSR: DRR Dhan 50	84	102	558	106	80	108	102	117	120
5953	33984	86	82	486	83	86	201	82	106	130
5954	33985	86	104	450	82	105	176	80	129	160
5955	33986	84	81	450	86	75	184	86	99	132
5956	33987	82	101	522	76	78	110	80	109	159
5957	33988	82	106	414	89	97	160			
5958	33989	84	105	414	100	86	104	86	135	97
5959	Irrigated medium dry DSR: DRR Dhan 55	82	80	630	80	86	207			
5960	33990	82	92	486	80	88	108	82	147	112
5961	33991	88	91	522	110	79	104	86	118	126
5962	33992	85	120	594	82	98	160	84	135	109
5963	33993	84	110	432	82	87	212	84	127	130
5964	Local check	86	114	526	74	96	222	76	100	91
Experimental Mean		84	107	498	88	93	171	87	121	144
Standard Error		0.8			2.69			0.55		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN											
		Gujarat			Gujarat (2)			Maharashtra					
		Vyra			Mean			Vadgao			Parabhani		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	88	104	262	90	108	202	100	83	243	92	59	300
5902	33938	76	108	240	80	116	200	90	104	252	86	88	298
5903	33939	76	113	244	79	122	202	91	108	204	84	80	288
5904	33940	76	94	259	78	107	204	90	100	226	83	74	370
5905	33941	76	110	262	78	122	210	88	98	182	84	78	262
5906	33942	70	115	359	75	123	254	88	88	217	84	77	284
5907	33943	81	90	356	87	96	248	90	79	230	94	59	278
5908	Irrigated early dry DSR: DRRH 4 (EHC)												
5909	33944	84	117	366	88	121	264	92	111	292	94	76	238
5910	33945	71	94	309	76	106	216	88	83	218	84	82	278
5911	33946	88	99	354	90	112	258	94	98	219	92	73	298
5912	33947	86	114	245	86	124	208	94	102	272	92	71	302
5913	33948	87	111	248	86	120	201	98	104	250	98	75	297
5914	33949	71	98	313	77	104	236	82	86	214	88	69	250
5915	33950							100	100	237	108	72	38
5916	33951	147	115	132	124	128	146	98	105	230	110	82	308
5917	33952	90	106	247	90	106	247	96	90	164	94	65	242
5918	33953	80	91	354	81	96	265	90	87	224	90	44	165
5919	33954	68	92	233	72	109	186	92	86	218	82	66	192
5920	33955	68	95	217	72	103	184	80	88	234	78	54	162
5921	Irrigated medium dry DSR: DRR Dhan 70												
5922	33956	76	101	274	80	106	216	94	92	274	93	56	282
5923	33957	71	100	266	77	100	210	88	77	242	90	58	230
5924	33958	86	96	292	89	99	219	86	82	223	91	55	235
5925	33959	75	106	260	78	109	199	84	89	146	82	63	258
5926	33960	79	81	278	81	84	205	96	75	210	82	42	242
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)												
5928	33961	65	104	238	69	117	180	74	106	150	78	79	258
5929	33962	65	116	126	65	116	126	80	114	204	76	94	262
5930	33963	98	88	222	100	105	190	98	75	231	100	55	276
5931	33964	100	104	222	97	120	198	100	102	156	96	82	288
5932	33965	89	98	242	92	104	212	94	71	234	94	58	265
5933	33966	90	106	233	91	116	190	96	89	188	104	69	275
5934	33967	98	103	258	96	117	204	102	85	276	106	60	268
5935	33968	88	118	276	88	129	209	100	109	251	100	78	262
5936	33969	98	104	272	98	116	210	104	105	177	110	67	254
5937	33970	88	107	253	89	118	200	94	98	212	95	72	246
5938	Irrigated early dry DSR: Shabhagidhan												
5939	33971	64	95	296	73	112	216	84	95	144	82	56	175
5940	33972	97	99	264	95	107	208	102	80	166	105	64	239
5941	33973	77	105	291	81	114	208	90	97	198	91	72	238
5942	33974	110	128	254	102	131	208	104	103	232	110	94	201
5943	33975	90	121	231	91	126	193	94	103	252	101	71	194
5944	33976	78	120	220	82	130	192	88	93	240	97	72	232
5945	33977	86	104	290	96	112	223	100	75	218	100	67	232
5946	33978	84	129	281	88	139	214	94	104	148	103	69	122
5947	33979	98	105	236	99	116	187	100	97	240	108	73	268
5948	33980	89	121	266	92	131	212	100	114	170	106	87	135
5949	33981	75	109	259	80	105	196	90	103	228	94	86	310
5950	33982	75	100	294	78	110	206	84	102	258	90	62	238
5951	33983	98	96	238	100	95	178	102	79	290	103	61	261
5952	Irrigated late dry DSR: DRR Dhan 50												
5953	33984	89	106	276	96	111	198	100	87	168	102	61	272
5954	33985	65	97	276	73	101	204	88	90	197	90	44	230
5955	33986	64	113	278	72	121	219	88	114	258	90	72	274
5956	33987	76	102	294	82	101	212	90	77	268	90	57	279
5957	33988	66	90	276	74	99	218	88	85	220	82	49	264
5958	33989	82	107	126	82	107	126	90	128	272	92	94	278
5959	Irrigated medium dry DSR: DRR Dhan 55												
5960	33990	70	111	288	70	111	288	84	104	219	86	59	262
5961	33991	68	115	240	75	131	176	86	106	238	83	64	258
5962	33992	98	96	236	92	107	181	96	90	187	98	51	276
5963	33993	68	134	269	76	135	189	86	117	279	90	82	270
5964	33994	70	96	148	78	112	139	90	85	199	90	70	263
5964	Local check	72	94	158	74	97	124	92	112	256	93	96	312
Experimental Mean		81	104	258	84	113	203	92	95	219	92	69	250
Standard Error		1.4			0.78			0.51			0.86		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VI - WESTERN						ZONE VI - WESTERN (5)			ZONE VII - SOUTHERN		
		Maharashtra			Maharashtra (3)						Andhra Pradesh		
		Karjat			Mean			Mean			Maruteru		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	92	108	252	94	83	265	93	93	240	78	123	297
5902	33938	87	122	284	88	105	278	85	109	247	70	136	264
5903	33939	76	122	268	83	104	253	82	111	232	69	114	314
5904	33940	73	107	235	82	93	277	81	99	248	68	119	297
5905	33941	72	122	266	82	99	237	80	108	226	68	123	314
5906	33942	76	116	250	82	94	250	80	105	251	70	129	297
5907	33943	91	88	288	92	75	265	90	84	258	77	110	280
5908	Irrigated early dry DSR: DRRH 4 (EHC)										82	120	248
5909	33944	73	127	286	86	105	272	87	111	269	74	128	297
5910	33945	104	108	268	92	91	254	85	97	239	67	116	297
5911	33946	93	126	316	93	99	278	92	104	270	83	121	297
5912	33947	90	118	284	92	97	286	90	108	255	74	126	297
5913	33948	88	118	270	94	99	272	91	107	244	78	116	346
5914	33949	70	98	282	80	84	249	78	92	244	69	109	280
5915	33950	78	118	306	95	96	193	95	96	193	96	124	280
5916	33951	104	138	318	104	109	285	112	117	229	98	112	297
5917	33952	90	118	306	94	91	237	93	95	240	75	127	280
5918	33953	76	92	302	86	75	230	84	83	244	68	109	280
5919	33954	74	97	284	83	83	232	78	94	214	66	122	314
5920	33955	72	102	293	76	82	230	75	90	212	64	115	280
5921	Irrigated medium dry DSR: DRR Dhan 70										68	134	446
5922	33956	79	92	300	88	80	286	85	91	258	72	112	429
5923	33957	82	104	296	86	80	256	82	88	238	71	114	280
5924	33958	76	98	286	84	78	248	86	87	236	76	108	363
5925	33959	77	109	286	81	87	230	80	96	217	69	126	446
5926	33960	74	89	292	84	68	248	83	75	231	68	91	314
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)										88	112	248
5928	33961	64	115	253	72	100	220	71	107	204	56	127	280
5929	33962	68	137	262	75	115	243	73	115	214	64	135	280
5930	33963	74	98	286	91	76	264	95	88	234	90	126	231
5931	33964	87	118	304	94	101	249	95	108	229	83	121	380
5932	33965	102	121	239	97	83	246	95	92	232	82	114	264
5933	33966	101	106	284	101	88	249	97	99	225	83	137	314
5934	33967	97	105	300	102	84	281	99	97	250	95	128	280
5935	33968	100	137	293	100	108	269	95	116	245	79	133	264
5936	33969	102	122	289	105	98	240	102	105	228	93	125	280
5937	33970	104	124	272	98	98	244	94	106	226	76	127	297
5938	Irrigated early dry DSR: Shabhagidhan										70	118	380
5939	33971	74	90	301	80	80	207	77	93	211	70	115	297
5940	33972	104	102	294	103	82	233	100	92	223	91	117	264
5941	33973	82	110	279	88	93	238	85	102	226	72	128	314
5942	33974	105	116	322	106	104	252	104	115	234	99	115	231
5943	33975	102	120	268	99	98	238	96	109	220	82	131	346
5944	33976	78	114	292	88	93	255	85	108	230	70	134	248
5945	33977	91	110	320	97	84	257	96	95	243	93	124	231
5946	33978	103	118	319	100	97	196	95	114	203	80	147	380
5947	33979	100	128	326	103	99	278	101	106	242	88	130	314
5948	33980	102	142	322	103	114	209	98	121	210	99	124	231
5949	33981	86	124	302	90	104	280	86	105	246	70	122	380
5950	33982	76	122	299	84	95	265	81	101	242	68	127	248
5951	33983	96	118	302	100	86	284	100	90	242	92	115	248
5952	Irrigated late dry DSR: DRR Dhan 50										91	119	214
5953	33984	71	98	290	83	77	239	79	87	225	68	106	297
5954	33985	74	116	285	84	101	273	79	109	251	68	126	380
5955	33986	89	103	282	89	79	276	86	88	251	70	117	380
5956	33987	76	94	288	82	76	257	79	85	241	68	99	280
5957	33988	87	122	281	90	115	277	88	113	239	72	133	380
5958	33989	102	117	302	95	93	285	93	104	236	71	116	314
5959	Irrigated medium dry DSR: DRR Dhan 55										70	128	380
5960	33990	78	114	305	82	95	267	79	109	231	70	120	297
5961	33991	91	103	322	95	81	262	94	92	230	96	115	231
5962	33992	77	116	302	84	105	284	81	117	246	68	127	314
5963	33993	79	106	289	86	87	250	83	97	206	72	122	297
5964	Local check	80	94	269	89	100	279	83	99	217	117	117	348
Experimental Mean		85	112	289	90	92	253	88	100	234	77	121	304
Standard Error		1.08			0.43			0.39			1.02		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Karnataka									Karnataka (3)		
		Mandya			Brahmavar			Mugad			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	104	66	340	86	58	479	97	82	352	96	68	390
5902	33938	94	78	323	84	65	473	94	80	354	91	74	384
5903	33939	90	84	272	86	82	454	90	76	302	89	81	343
5904	33940	92	81	289	86	79	496	93	84	320	91	82	368
5905	33941	92	84	272	88	72	424	88	78	314	89	78	337
5906	33942	80	80	289	90	76	454	89	77	270	86	78	338
5907	33943	98	61	306	94	64	348	92	72	322	95	66	325
5908	Irrigated early dry DSR: DRRH 4 (EHC)	108	62	340				98	83	244	104	73	292
5909	33944	98	88	306	92	73	459	100	86	280	97	82	348
5910	33945	80	74	374	82	64	456	84	73	298	82	70	376
5911	33946	98	69	323	94	68	444	102	72	330	98	70	366
5912	33947	104	83	289	95	64	457	99	77	320	100	75	355
5913	33948	106	78	272	94	64	435	102	97	352	100	80	353
5914	33949	82	68	374	68	21	420	88	66	275	80	52	356
5915	33950	80	77	289				106	84	222	93	81	256
5916	33951	100	79	289	93	61	334	106	82	287	100	74	303
5917	33952	96	74	255	90	72	465	98	77	317	95	74	346
5918	33953	94	58	289	99	81	392	88	75	276	94	71	319
5919	33954	90	59	272	88	72	476	87	70	318	88	67	355
5920	33955	86	73	289	91	58	456	86	70	345	88	67	363
5921	Irrigated medium dry DSR: DRR Dhan 70	86	78	340	86	86	444	88	74	256	87	79	346
5922	33956	104	58	289	91	62	450	100	68	254	98	62	331
5923	33957	96	60	272	92	58	434	96	65	269	95	61	325
5924	33958	97	63	272	92	64	448	96	58	213	95	61	311
5925	33959	90	79	306	86	63	430	88	55	268	88	66	335
5926	33960	98	59	306	86	50	414	95	50	371	93	53	364
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	108	71	289	92	58	418	106	74	332	102	67	346
5928	33961	82	83	357	76	70	429	76	72	310	78	75	365
5929	33962	80	114	374	71	106	427	81	98	208	78	106	336
5930	33963	104	60	306	92	68	450	104	73	334	100	67	364
5931	33964	104	80	272	91	86	433	108	68	268	101	78	324
5932	33965	100	57	272	93	81	418	100	67	252	98	68	314
5933	33966	98	71	255	94	72	298	98	72	328	97	72	294
5934	33967	110	64	306	101	72	308	108	74	294	106	70	302
5935	33968	108	86	272	92	70	408	108	78	270	102	78	317
5936	33969	110	71	272	89	71	322	104	66	305	101	69	300
5937	33970	98	72	238	89	74	433	101	82	306	96	76	326
5938	Irrigated early dry DSR: Shabthagidhan	82	64	272	93	71	308	92	74	276	89	70	285
5939	33971	90	64	272	92	68	314	88	76	264	90	69	283
5940	33972	104	71	289	97	60	333	104	71	334	101	67	318
5941	33973	90	81	255	91	64	434	96	70	276	92	72	322
5942	33974	102	84	306	82	69	347	111	81	283	98	78	312
5943	33975	94	76	272	89	74	432	98	82	294	94	78	333
5944	33976	86	86	306	89	78	418	92	71	332	89	78	352
5945	33977	112	61	255	84	56	354	107	65	344	101	61	318
5946	33978	96	95	289	81	71	357	96	80	310	91	82	318
5947	33979	104	76	238	77	76	355	104	66	278	95	73	290
5948	33980	102	91	255	81	72	338	102	76	282	95	80	292
5949	33981	88	78	289	86	64	418	96	80	324	90	74	344
5950	33982	86	86	255	86	74	406	94	77	306	89	79	322
5951	33983	108	63	238	85	51	314	107	66	354	100	60	302
5952	Irrigated late dry DSR: DRR Dhan 50	108	60	255	87	70	322	102	74	369	99	68	316
5953	33984	94	57	289	90	69	420	90	58	336	92	61	348
5954	33985	88	80	255	93	55	345	87	80	310	89	72	303
5955	33986	94	65	272	91	59	322	114	65	305	100	63	300
5956	33987	88	71	255	89	60	308	89	67	300	88	66	288
5957	33988	98	101	323	84	61	341	98	90	306	93	84	323
5958	33989	102	67	289	91	56	307	99	78	258	97	67	285
5959	Irrigated medium dry DSR: DRR Dhan 55	86	81	289	92	56	432	91	75	314	89	71	345
5960	33990	86	79	255	90	54	428	91	79	355	89	71	346
5961	33991	108	64	255	92	74	322	108	101	352	102	80	310
5962	33992	94	88	289	94	67	317	94	86	334	94	81	313
5963	33993	96	74	255	100	66	440	100	76	245	98	72	313
5964	Local check	80	98	323	102	83	426	87	89	376	90	90	375
Experimental Mean		95	74	288	89	67	399	96	75	302	94	72	329
Standard Error		0.42			0.96			2.52			0.9		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN											
		Kerala			Telangana						Telangana (2)		
		Monocompu			Rajendranagar			Warangal			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	78	113	180	97	102	363	88	100	390	92	101	376
5902	33938	74	124	153	93	105	350	79	110	380	86	108	365
5903	33939	70	117	186	87	100	348	78	110	380	82	105	364
5904	33940	72	111	172	86	99	346	79	102	394	82	100	370
5905	33941	73	117	219	85	98	322	82	104	312	84	101	317
5906	33942	69	114	166	104	99	370	77	108	396	91	104	382
5907	33943	74	102	232	101	88	360	90	82	370	96	85	365
5908	Irrigated early dry DSR: DRRH 4 (EHC)	83	121	89	98	95	284	104	93	338	101	94	311
5909	33944	68	122	166	102	105	371	79	105	431	90	105	401
5910	33945	68	111	166	90	97	354	76	84	337	83	91	345
5911	33946	88	103	186	104	101	352	83	94	376	94	98	364
5912	33947	82	121	192	98	102	370	83	94	348	90	98	359
5913	33948	80	122	179	102	115	439	86	107	394	94	111	416
5914	33949	72	107	160	88	98	394	83	97	394	86	97	394
5915	33950	92	108	252	110	99	378	101	99	299	105	99	338
5916	33951	95	117	245	110	104	338	101	98	408	106	101	373
5917	33952	78	123	172	97	84	419	87	96	309	92	90	364
5918	33953	75	101	160	88	86	472	85	80	366	86	83	419
5919	33954	71	105	180	84	95	365	80	87	317	82	91	341
5920	33955	75	106	159	82	95	424	80	86	370	81	90	398
5921	Irrigated medium dry DSR: DRR Dhan 70	75	118	180	95	104	284	80	95	368	88	100	326
5922	33956	80	97	192	96	90	338	78	82	474	87	86	406
5923	33957	75	112	238	99	94	335	82	86	371	90	90	353
5924	33958	76	103	232	96	90	402	84	85	409	90	87	406
5925	33959	77	112	180	88	95	408	83	89	382	86	92	395
5926	33960	70	103	160	98	78	462	82	71	364	90	75	413
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	90	103	166	108	99	378	97	99	354	103	99	366
5928	33961	74	104	133	75	74	371	71	92	326	73	83	349
5929	33962	74	143	152	76	98	292	71	116	332	74	107	312
5930	33963	87	103	166	105	94	304	94	72	335	100	83	320
5931	33964	87	115	192	102	96	294	95	94	340	99	95	317
5932	33965	103	107	252	102	93	363	93	86	376	97	90	369
5933	33966	84	109	186	104	100	352	100	80	330	102	90	340
5934	33967	102	106	166	105	81	356	98	76	385	102	79	371
5935	33968	78	123	152	105	103	320	96	100	401	100	102	360
5936	33969	84	114	180	110	98	386	104	90	299	107	94	343
5937	33970	76	113	186	96	98	330	86	105	342	91	102	336
5938	Irrigated early dry DSR: Shabhagidhan	77	106	173	86	94	308	77	92	364	82	93	336
5939	33971	76	95	192	90	94	346	83	95	398	86	94	372
5940	33972	88	98	226	105	95	325	102	79	417	104	87	371
5941	33973	75	95	180	97	98	308	84	98	403	90	98	356
5942	33974	93	122	179	105	83	305	107	88	324	106	86	314
5943	33975	84	123	172	99	100	338	85	107	416	92	103	377
5944	33976	74	113	166	94	103	327	85	103	419	89	103	373
5945	33977	88	105	160	105	92	320	101	81	288	103	87	304
5946	33978	83	126	186	101	100	284	87	116	331	94	108	307
5947	33979	90	114	179	112	100	400	102	90	399	107	95	399
5948	33980	88	126	192	112	104	340	102	108	374	107	106	357
5949	33981	73	122	153	93	104	305	86	104	366	90	104	336
5950	33982	75	123	172	92	101	308	86	104	358	89	102	333
5951	33983	91	107	186	112	92	335	99	78	385	105	85	360
5952	Irrigated late dry DSR: DRR Dhan 50	73	104	173	104	93	302	100	88	336	102	90	319
5953	33984	75	98	166	93	82	297	87	83	541	90	82	419
5954	33985	75	113	206	91	101	317	82	106	348	86	103	332
5955	33986	76	93	180	98	86	320	90	91	518	94	88	419
5956	33987	76	92	172	91	80	327	83	75	395	87	78	361
5957	33988	76	126	160	102	108	363	90	108	351	96	108	357
5958	33989	85	112	180	105	96	307	101	71	380	103	84	344
5959	Irrigated medium dry DSR: DRR Dhan 55	73	97	180	99	99	337	90	102	360	94	100	349
5960	33990	74	104	166	94	87	325	78	106	384	86	96	354
5961	33991	85	97	160	103	87	348	101	77	311	102	82	330
5962	33992	72	123	212	93	105	378	83	104	490	88	105	434
5963	33993	71	110	173	99	99	352	90	95	408	94	97	380
5964	Local check	80	94	186	96	92	316	94	86	378	95	89	347
Experimental Mean		79	110	180	97	95	347	88	93	374	93	95	361
Standard Error		0.93			1.12			0.14			0.56		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025

Entry No	IET No	ZONE VII - SOUTHERN									ZONE VII - SOUTHERN (9)			Uttar Pradesh (2)		
		Tamil Nadu						Tamil Nadu (2)			Mean			Mean		
		Coimbatore			Adutrai			Mean			Mean			Mean		
		DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN	DDF	PH	PAN
5901	33937	100	91	245	86	90	283	93	91	264	90	92	325	95	108	282
5902	33938	100	101	255	90	103	306	95	102	280	86	100	318	85	114	304
5903	33939	85	90	250	90	87	262	87	89	256	83	96	308	94	114	236
5904	33940	85	89	270	90	84	300	88	87	285	84	94	321	93	112	298
5905	33941	86	93	248	90	96	292	88	94	270	84	96	302	77	113	294
5906	33942	80	94	252	89	88	306	84	91	280	83	96	311	76	121	238
5907	33943	94	77	232	90	85	195	92	81	214	90	82	294	102	106	288
5908	Irrigated early dry DSR: DRRH 4 (EHC)	99	86	255				99	86	255	96	94	257	94	110	
5909	33944	90	96	250	90	79	310	90	88	280	88	98	319	96	125	300
5910	33945	80	89	265	88	77	302	84	83	283	80	87	316	80	99	254
5911	33946	91	92	280	88	79	190	90	86	235	92	89	308	103	107	274
5912	33947	92	97	235	80	106	302	86	102	268	90	97	312	92	117	255
5913	33948	93	98	240	84	98	317	89	98	278	92	99	331	94	123	262
5914	33949	84	94	265	76	80	240	80	87	253	79	82	311	84	101	250
5915	33950	99	98	276	102	78	246	100	88	261	98	96	280	115	116	226
5916	33951	96	92	290	98	88	274	97	90	282	100	92	307	116	110	212
5917	33952	93	101	300	100	90	266	96	96	283	91	94	309	92	120	244
5918	33953	86	79	290	99	91	282	93	85	286	87	85	312	81	95	257
5919	33954	84	81	260	98	79	125	91	80	192	83	86	292	78	99	262
5920	33955	84	92	245	101	82	206	92	87	226	83	86	308	72	96	252
5921	Irrigated medium dry DSR: DRR Dhan 70	84	91	250	78	69	356	81	80	303	82	94	325	82	107	259
5922	33956	91	79	265	78	79	328	84	79	297	88	81	335	96	101	242
5923	33957	90	78	265	81	97	278	86	87	272	87	85	305	87	97	248
5924	33958	89	75	270	80	93	269	84	84	270	87	82	320	91	96	222
5925	33959	87	84	265	83	88	266	85	86	266	84	88	328	86	111	231
5926	33960	92	76	265	88	101	210	90	89	238	87	76	318	79	94	245
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	93	86	255	94	101	308	94	93	281	97	89	305	108	98	252
5928	33961	102	96	285	95	91	221	98	94	253	78	90	301	66	99	252
5929	33962	101	102	285				101	102	285	77	114	294	69	112	210
5930	33963	92	86	255	95	101	292	94	93	274	96	87	297	116	84	192
5931	33964	94	90	240	99	86	300	96	88	270	96	93	302	92	105	216
5932	33965	92	79	245	97	105	283	95	92	264	96	88	303	106	100	246
5933	33966	99	97	260	100	87	307	100	92	284	96	92	292	104	111	256
5934	33967	104	81	270	96	101	276	100	91	273	102	87	294	112	91	224
5935	33968	100	101	215	88	105	308	94	103	262	95	100	290	97	124	255
5936	33969	107	88	240	96	88	297	102	88	268	100	90	287	116	103	228
5937	33970	83	98	245	96	86	207	90	92	226	89	95	287	104	108	241
5938	Irrigated early dry DSR: Shabhagidhan	80	88	255	96	92	210	88	90	233	84	89	283	80	111	249
5939	33971	87	77	255	103	96	140	95	87	197	86	87	275	77	98	282
5940	33972	101	85	250	99	85	296	100	85	273	99	85	304	110	98	266
5941	33973	86	90	225	102	77	203	94	83	214	88	89	289	86	110	243
5942	33974	112	96	285	96	78	245	104	87	265	101	91	278	117	109	248
5943	33975	87	93	270	85	97	122	86	95	196	89	98	296	102	112	211
5944	33976	85	97	275	86	96	190	86	97	232	85	98	298	84	117	223
5945	33977	110	75	295	93	108	284	102	92	290	99	85	281	107	95	224
5946	33978	92	106	230	98	87	114	95	96	172	90	103	275	110	122	238
5947	33979	93	82	285	96	97	228	94	89	256	96	92	297	116	104	232
5948	33980	94	105	265	97	98	292	96	102	279	98	101	286	111	128	204
5949	33981	86	99	250	88	88	336	87	93	293	85	96	314	87	112	238
5950	33982	88	87	250	77	91	226	82	89	238	84	97	281	78	113	232
5951	33983	100	80	250	98	90	264	99	85	257	99	82	286	116	85	254
5952	Irrigated late dry DSR: DRR Dhan 50	100	82	250	100	90	268	100	86	259	96	87	277	108	93	238
5953	33984	87	74	256	102	90	124	94	82	190	87	80	303	84	92	246
5954	33985	86	98	270	102	103	244	94	101	257	86	96	297	80	111	242
5955	33986	87	72	250	106	78	324	97	75	287	92	81	319	97	100	274
5956	33987	84	78	285	101	77	111	92	78	198	85	78	270	88	83	246
5957	33988	90	93	240	102	102	206	96	97	223	90	102	296	96	128	222
5958	33989	96	80	230	101	90	274	98	85	252	94	85	282	116	101	220
5959	Irrigated medium dry DSR: DRR Dhan 55	91	91	260	102	78	267	96	84	264	88	90	313	94	101	262
5960	33990	85	92	260	101	81	360	93	86	310	85	89	314	87	113	256
5961	33991	93	77	250	103	79	312	98	78	281	99	86	282	114	89	242
5962	33992	85	96	275	106	91	246	96	93	260	88	99	317	88	122	272
5963	33993	91	96	260	102	94	234	96	95	247	91	92	296	89	104	262
5964	Local check	83	101	310	104	90	212	94	95	261	94	94	319	71	110	240
Experimental Mean		91	89	259	93	89	255	93	90	258	90	91	301	94	106	247
Standard Error		0.5			1.46			0.76			0.41			0.34		

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Table No. 27.3 (Contd.): Days to 50% flowering, Plant height (cm) & Panicles/m² in IVT – DSR, Kharif 2025 (Not considered)

Entry No	IET No	ZONE III - EASTERN						ZONE V - CENTRAL						ZONE VI - WESTERN		
		Uttarpradesh						Chattisgarh			Madhya Pradesh			Gujarat		
		@Gorakhpur			@Masodha			@Jagadapur			@Rewa			@Nawagam		
		DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN	DFF	PH	PAN
5901	33937	76	101	444	110	76	214	95	81	198	81	102	290	90	109	252
5902	33938	74	106	426	92	102	232	90	80	205	102	100	274	82	108	244
5903	33939	86	112	461	88	73	208	85	88	208	87	93	292	76	106	254
5904	33940	94	60	399	94	80	224	90	73	228	96	96	250	80	107	250
5905	33941	96	104	408	91	76	224	90	78	195	102	90	238	74	120	256
5906	33942	86	106	416	92	94	240	86	76	188	90	82	358	71	108	242
5907	33943	77	89	422	116	100	189	95	60	155	89	78	282	85	134	236
5908	Irrigated early dry DSR: DRRH 4 (EHC)	104	76	451				107	85	183				82	120	120
5909	33944	86	88	439	104	82	228	96	86	176	102	70	315	76	109	256
5910	33945	96	94	386	90	70	230	90	64	142	90	72	278	77	120	248
5911	33946	86	82	339	92	83	232	94	72	158	94	77	267	82	117	252
5912	33947	90	98	472	98	82	228	94	73	158	93	64	312	92	121	246
5913	33948	90	100	465	112	76	188	94	82	230	98	87	235	76	99	250
5914	33949	112	107	400	96	72	202	93	61	173	99	69	196	85	91	252
5915	33950	45	104	402	114	90	199	110	61	126	98	80	285	88	110	175
5916	33951	96	100	400	116	82	164	112	66	195	98	76	262	102	122	250
5917	33952	83	108	360	100	87	232	102	69	151	98	88	332	76	124	182
5918	33953	83	95	486	92	76	224	87	71	139	102	102	200	80	142	256
5919	33954	76	110	485	92	82	237	83	62	118	92	82	352	72	119	254
5920	33955	92	120	394	94	76	189	82	62	112	86	84	224	81	115	222
5921	Irrigated medium dry DSR: DRR Dhan 70	86	102	398	96	82	202	90	65	172	101	90	270	90	115	122
5922	33956	86	99	392	94	76	206	100	72	171	103	90	266	76	104	124
5923	33957	69	130	415	93	76	210	94	63	130	96	69	254	70	124	260
5924	33958	86	106	422	116	85	204	95	63	122	92	78	278	70	119	251
5925	33959	82	120	441	99	85	224	87	62	146	101	86	302	71	110	245
5926	33960	76	112	383	104	72	202	90	61	121	95	86	276	78	106	250
5927	Irrigated late dry DSR: CR Dhan 702 (IHC)	87	98	374	110	76	202	109	68	168	96	90	300	78	120	209
5928	33961	104	111	379	96	80	206	82	69	150	95	94	278	71	104	212
5929	33962	77	122	384	84	95	190	82	72	99	98	86	269	92	104	230
5930	33963	90	100	394	116	85	202	105	63	194	94	86	281	88	118	244
5931	33964	79	112	406	104	82	239	104	79	252	102	66	268	87	108	249
5932	33965	96	102	404	118	82	172	92	67	250	90	94	316	75	105	248
5933	33966	103	104	409	106	83	248	74	77	205	95	95	278	94	100	231
5934	33967	102	124	429	110	70	182	79	70	195	96	92	264	83	106	240
5935	33968	104	90	426	106	78	192	74	85	220	84	88	264	76	110	229
5936	33969	82	111	420	116	82	162	79	73	168	102	104	296	74	94	210
5937	33970	84	100	447	94	78	202	96	81	195	96	84	234	84	101	222
5938	Irrigated early dry DSR: Shabhagidhan	102	132	450	81	78	209	80	76	100	98	83	158	74	114	226
5939	33971	96	100	394	83	70	217	80	60	100	94	82	276	70	100	248
5940	33972	76	100	400	118	68	171	79	62	155	100	84	242	78	111	242
5941	33973	94	105	398	94	80	258	115	67	145	94	90	278	67	103	226
5942	33974	90	108	400	116	90	198	105	71	212	100	82	264	100	102	178
5943	33975	79	105	400	110	80	240	104	79	176	85	90	258	101	112	223
5944	33976	102	82	412	102	93	240	93	72	140	100	88	290	92	98	184
5945	33977	77	114	414	116	94	170	74	69	145	103	82	314	89	108	250
5946	33978	90	95	413	106	88	250	104	82	180	90	88	307	77	106	239
5947	33979	83	116	412	116	85	164	95	75	205				96	107	254
5948	33980	100	86	414	116	85	188	108	87	214	89	90	258	76	110	242
5949	33981	76	96	411	94	91	236	102	82	170	95	82	306	85	108	212
5950	33982	84	106	404	94	84	258	90	70	155	98	70	278	82	106	220
5951	33983	88	94	352	112	76	190	90	66	155	100	75	303	98	111	201
5952	Irrigated late dry DSR: DRR Dhan 50	82	95	490	114	76	163	108	65	150	98	84	244	92	109	192
5953	33984	87	94	476	90	74	188	109	61	105	90	82	297	86	109	236
5954	33985	84	94	416	86	88	212	94	72	150	85	90	322	72	104	234
5955	33986	101	98	374	100	80	240	88	60	140	106	78	267	84	106	248
5956	33987	77	99	372	82	81	228	91	64	118	90	82	226	72	113	243
5957	33988	92	103	389	87	102	258	96	104	168	103	75	114	76	99	172
5958	33989	76	100	390	114	80	246	111	92	202	96	72	354	80	102	202
5959	Irrigated medium dry DSR: DRR Dhan 55	74	90	420	96	87	250	88	80	166	102	68	232	81	110	182
5960	33990	74	98	402	86	87	232	87	79	172	92	83	194	72	104	228
5961	33991	88	108	380	116	86	192	105	64	135				92	107	242
5962	33992	86	86	408	92	87	238	87	92	160	88	69	286	74	105	172
5963	33993	104	86	452	96	78	252	90	83	180	96	78	236	73	102	147
5964	Local check	94	84	394	87	88	264	83	81	150	88	78	273	74	110	259
Experimental Mean		87	101	412	100	82	213	93	72	166	95	83	270	81	109	224

CENTRE WISE BREEDER SEED PRODUCTION DURING KHARIF, 2025 (AS PER DAC INDENT)

(Quantity in Quintals)

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
1	AAU, Anand	Gujarat Anand Rice 14 (GAR 14) (IET 24619)	2018	2.30	3.00	0.00	3.00	0.70
		Gujarat Rice 21 (GR 21: Vatrak)	2022	0.30	1.00	0.00	1.00	0.70
		Numali (IET 27405)	2020	11.30	0.00	0.00	0.00	-11.30
		GR 18 (DEVLI KOLAM)	2021	0.30	0.00	0.00	0.00	-0.30
		Gujarat Aerobic Rice 201 (GAR 201: Anand Akshat)	2024	0.30	1.00	0.00	1.00	0.70
		GR-12	2007	0.30	0.40	0.00	0.40	0.10
		GAR - 1 (IET- 21276)	2013	0.30	0.40	0.00	0.40	0.10
		DANDI (IET 14906)	2003	0.30	0.40	0.00	0.40	0.10
		Ranjit SUB -1	2018	14.37	0.00	0.00	0.00	-14.37
		Ketekijoha (IET-18669)	2006	3.30	0.00	0.00	0.00	-3.30
		RANJEET	1994	5.45	0.00	0.00	0.00	-5.45
		GR-101	1986	0.30	0.50	0.00	0.50	0.20
		Gujarat Anand Rice-3 (GAR-3) (NWGR-4005)	2017	0.30	0.30	0.00	0.30	0.00
		GAR-13 (IET-20930)	2010	0.30	1.00	0.00	1.00	0.70
		Total		39.42	8.00	0.00	8.00	-31.42
2	AAU, Jorhat	Rongkhang (AAUDR 9312-13-1) IET 18242 IC 574472	2017	8.00	0.15	0.00	0.15	-7.85
		AAU-TTB-Dhan-44 (TTB 1041-204-1) (Prachur)	2023	4.30	22.00	0.00	22.00	17.70
		AAU-TTB-Dhan-42 (TTB238) (Patkai)	2023	0.30	8.00	0.00	8.00	7.70
		AAU-TTB-Dhan-43 (TTB 1048-60-1) (Shatabdi)	2023	6.00	18.00	0.00	18.00	12.00
		Inglongkiri (AAUDR 9301-14-1) IET 17452 IC-559417	2017	8.00	0.23	0.00	0.23	-7.77

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
	ARRI, Titabar	AAU-TTB-Dhan-40 (Dholi)	2022	11.00	0.00	0.00	0.00	-11.00
		Kanaklata (TTB 103-3-1)	2017	1.00	0.00	20.00	20.00	19.00
		LUCHAI SELECTION 1	2023	0.30	0.00	0.00	0.00	-0.30
		Bahadur Sub-1	2018	11.45	12.59	0.00	12.59	1.14
		Ranjit Sub 1	2020	8.15	22.84	0.00	22.84	14.69
		Ranjit	2020	11.20	36.00	0.00	36.00	24.80
		Keteki Joha (IET-18669)	2017	2.00	3.30	0.00	3.30	1.30
		Bahadur		8.00	9.60	0.00	9.60	1.60
		Gitesh (TTB 283-1-26)	2024	1.90	2.60	0.00	2.60	0.70
		Swarna Sub 1 (CR 2539-1) IET -20266	2009	2.00	4.40	0.00	4.40	2.40
		Numali (IET 27405)	2026	2.00	5.70	0.00	5.70	3.70
		Mahsuri	1986	0.10	0.47	0.00	0.47	0.37
		Dehangi		0.10	0.44	0.00	0.44	0.34
		Luit	2024	0.00	0.60	0.00	0.60	0.60
		Disang		0.00	0.45	0.00	0.45	0.45
		Haccha (AAU DPU Dhan 04)	2026	1.00	1.90	0.00	1.90	0.90
		Amreng (AAU TPU Dhan 07) IET 29271		1.00	3.29	0.00	3.29	2.29
		Total		87.80	152.56	20.00	172.56	84.76
3	ANGRAU, Guntur	Prabhat	1978	0.90	52.00	24.00	76.00	75.10
		BPT Rice 2846 (IET 28737)	2024	0.20	0.50	0.00	0.50	0.30
		SAMBA MAHSURI (BPT-5204)	1989	59.05	70.00	0.00	70.00	10.95
		Teja (BPT 2595) 0ET 25486)	2020	0.80	1.00	0.00	1.00	0.20
		Bhavathi (BPT-2782) (IET 27124)	2020	0.20	0.50	0.00	0.50	0.30
		Sasya (BPT-2411) (IET 23081)	2020	0.80	1.00	0.00	1.00	0.20

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		BPT-3291 (Sonamasuri)	2005	2.80	3.20	0.00	3.20	0.40
		BPT Rice 3050 (IET 29256)	2024	0.45	1.00	0.00	1.00	0.55
		Bapatla Mahsuri (BPT 2295) (IET 22188)	2019	2.20	3.00	0.00	3.00	0.80
	ANGRAU, ARS Machilipatnam	Pandu Ranga (MCM 100) (IET 22611)	2019	0.30	0.50	0.00	0.50	0.20
		MCM RICE 103	2023	0.50	1.00	0.00	1.00	0.50
	ANGRAU ARS, Nellore	SRAVANI (NLR-33359)	2001	0.30	0.00	0.30	0.30	0.00
		NLR 3041	2021	0.50	0.00	1.00	1.00	0.50
		NLR 40024	2021	0.30	0.00	0.30	0.30	0.00
		Pardhiva (NLR - 33892)	2007	0.60	8.00	0.00	8.00	7.40
		Nandyala Sona (NDLR 7) (IET No.23715)	2018	0.35	0.00	20.00	20.00	19.65
		Nellore Mahsuri (NLR-34449)	2010	11.95	0.00	60.00	60.00	48.05
		Nellore Dhanyarasi (NLR3354) (ET 26226)	2020	0.25	0.00	8.00	8.00	7.75
		Nellore Sugandha (NLR 40054) (IET 23194)	2020	0.50	0.00	5.00	5.00	4.50
		TIKKANA (NLR-27999)	1989	0.30	0.30	0.00	0.30	0.00
		KOTHA MALAGOLUKULU-72	1978	0.30	0.30	0.00	0.30	0.00
		KOTHA MALAGOLUKULU-74	1978	0.30	0.30	0.00	0.30	0.00
		NLR 3354	2020	0.50	0.00	8.00	8.00	7.50
		NLR-145	1993	0.30	0.00	3.00	3.00	2.70
		SOMASILA (NLR-33358)	2000	0.80	0.00	1.00	1.00	0.20
		Nellore Siri (NLR 4001) (IET 25273)	2020	0.30	0.00	5.00	5.00	4.70
		SRIKAKULAM SANNALU (RGL-2537)	2000	4.30	30.00	0.00	30.00	25.70
	ANGRAU RARS, Maruteru	MTU Rice 1271 (IET 27416)	2024	0.55	15.00	15.00	30.00	29.45
		MTU 1223 (IET 25856)	2021	1.20	2.00	2.00	4.00	2.80
		MTU-1121(SRI DHRUTHI)	2016	5.60	60.00	35.00	95.00	89.40

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		SWARNA (MTU-7020)	1980	3.80	10.00	0.00	10.00	6.20
		Ksheera (IET 24495) (MTU 1172)	2019	0.45	3.00	3.00	6.00	5.55
		KRISHNAVENI (MTU-2077)	1990	0.80	7.00	7.00	14.00	13.20
		Chandra (IET 23409) (MTU 1153)	2016	57.62	80.00	40.00	120.00	62.38
		TARANGINI (MTU 1156)	2017	49.85	180.00	0.00	180.00	130.15
		MTU RICE 1232 (IET 26422)	2023	0.20	15.00	0.00	15.00	14.80
		MTU Rice 1273	2022	0.30	0.00	5.00	5.00	4.70
		MTU Rice 1321	2022	0.30	0.00	5.00	5.00	4.70
		MTU Rice 1310	2022	0.20	2.00	10.00	12.00	11.80
		MTU Rice 1239 (IET 26263)	2021	0.20	0.00	3.00	3.00	2.80
		MTU RICE 1318 (IET 28527)	2023	39.47	75.00	100.00	175.00	135.53
		Amara (MTU-1064)	2010	7.90	20.00	40.00	60.00	52.10
		Maruteru Mahsuri MTU 1262 (IET 27151)	2020	8.55	30.00	40.00	70.00	61.45
		Maruteru Samba MTU 1224 (IET 26225)	2020	13.50	18.00	90.00	108.00	94.50
		BHEEMA/DHEERA (MTU 1140)	2017	0.60	7.50	5.00	12.50	11.90
		MTU 1280	2021	1.10	0.00	6.00	6.00	4.90
		MTU-7029	1985	274.21	280.00	0.00	280.00	5.79
		MTU-1210 (Maruteru Sujatha)	2020	0.35	5.00	5.00	10.00	9.65
		MTU-5182	1993	0.50	0.00	0.00	0.00	-0.50
		MTU-9993	1995	0.50	0.00	0.00	0.00	-0.50
		Vijetha (MTU 1001)	1997	117.90	64.00	80.00	144.00	26.10
		MTU 1075 (IET 18482)	2008	14.10	15.00	20.00	35.00	20.90
		VIJETHA (MTU-1001)	1997	10.35	0.00	0.00	0.00	-10.35
		COTTONDORA SANNALU (MTU-1010)	2000	151.92	252.00	75.00	327.00	175.08

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		MTU 1156	2017	66.37	180.00	0.00	180.00	113.63
		MTU 1140 (BHEEMA)	2017	0.10	0.00	0.00	0.00	-0.10
		MTU1140 (TARANGINI)	2017	0.60	0.00	0.00	0.00	-0.60
		MTU Rice 1275 (IET 27908)	2024	0.45	2.00	5.00	7.00	6.55
		Indra (MTV - 1061)	2007	8.60	15.00	60.00	75.00	66.40
		Total		928.19	1510.10	786.60	2296.70	1368.51
5	BAU, Sabour	Birsa Vikas Dhan-203 (IET 19896)	2015	3.00	0.00	0.00	0.00	-3.00
		Birsa Vikas Sugandha-1 (IET 18941)	2015	8.00	0.00	0.00	0.00	-8.00
		Birsa Vikas Dhan-111 (PY-84) (IET 19848)	2015	1.00	0.00	0.00	0.00	-1.00
		Sabour Harshit Dhan (IET 25342)	2020	10.30	37.50	0.00	37.50	27.20
		Sabour Sampanna Dhan (IET 25960)	2021	20.30	87.50	0.00	87.50	67.20
		KANAK (BIET-1009)	1989	0.10	0.00	0.00	0.00	-0.10
		SITA	1978	0.01	0.00	0.00	0.00	-0.01
		Badshahog Selection 1	2016	1.82	0.00	0.00	0.00	-1.82
		Sabour Deep (RAU 3055)	2017	15.00	80.00	0.00	80.00	65.00
		Sabour Heera Dhan (IET-27538) (BRR 2110)	2022	0.10	35.00	0.00	35.00	34.90
		HEERA (IET-10973)	1989	0.90	0.00	0.00	0.00	-0.90
		Sabour Shree (RAU 724-48-33) (IET 18878)	2015	0.40	22.50	0.00	22.50	22.10
		Sabour Pratap Dhan (BRR2152) (IET-30083)	2024	2.60	10.00	0.00	10.00	7.40
		Sabour Shriram Dhan (BRR210) (IET-30367)	2024	0.30	10.00	0.00	10.00	9.70
		Sabour Narendra Dhan (BRR2184)	2024	0.60	10.00	0.00	10.00	9.40
		Total		64.43	292.50	0.00	292.50	228.07
6	BCKV, Nadia	Bidhan Suruchi (IET 25701)	2019	2.10	4.00	1.00	5.00	2.90
		Gontra Bidhan-1 (IET 17430)	2008	15.25	11.50	2.50	14.00	-1.25

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		Gontra Bindhan-3 (IET 22752)	2014	6.30	8.40	2.00	10.40	4.10
		Total		23.65	23.90	5.50	29.40	5.75
7	BEDE, Meerut	PUSA BASMATI-1 (IET-10364)	1989	9.10	12.08	0.00	12.08	2.98
		Pusa Basmati 1121	2008	29.53	35.57	0.00	35.57	6.04
		PUSA BASMATI-6 (IET 18005)	2010	7.02	18.65	0.00	18.65	11.63
		Sugandha-4 (PB-1121)	2015	4.30	8.00	0.00	8.00	3.70
		Total		49.95	74.30	0.00	74.30	24.35
8	BHU, Varanasi	Malviya Dhan-2 (HUR-3022)	2005	0.30	0.35	0.00	0.35	0.05
		Malviya Sugandh Dhan- 156 (HUR156)	2023	1.20	2.10	0.00	2.10	0.90
		MALAVIYA SUGANDH 4-3 (HUR-4-3)	2009	0.30	0.40	0.00	0.40	0.10
		HUR-917	2017	4.50	4.60	0.00	4.60	0.10
		Malaviya Basmati Dhan 10-9 (HUBR 10-9)	2013	0.30	0.35	0.00	0.35	0.05
		HUR-1309 (Malviya Sugandh Dhan-1309) (IET 23873)	2019	0.60	0.70	0.00	0.70	0.10
		HUR-105Sub-1	2025	0.00	2.50	0.00	2.50	2.50
		Malaviya Manila Sinchit Dhan-1(MMSD-1)	2023	0.00	0.95	0.00	0.95	0.95
		Total		7.20	11.95	0.00	11.95	4.75
9	BSKKV, Dapoli	RATNAGIRI-1	1990	0.20	6.50	2.00	8.50	8.30
		Ratnagiri-6 (RTN 65-1-2-2-2) (IET 25529)	2019	0.20	4.30	2.00	6.30	6.10
		Ratnagiri -8 (RTN 28-1-5-3-2) (IET 25493)	2019	4.50	5.60	5.00	10.60	6.10
		Karjat-7	2009	0.60	0.60	0.00	0.60	0.00
		Trombay Karjat Kolam (BARCKKV 13) (IET 27000)	2020	0.20	0.20	0.00	0.20	0.00
		Karjat-5	2007	0.40	0.40	2.00	2.40	2.00
		Karjat 8	2017	0.20	0.20	0.00	0.20	0.00

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		Karjat 9	2017	0.20	0.20	0.00	0.20	0.00
		KARJAT-3	1996	3.00	3.00	0.00	3.00	0.00
		Total		9.50	21.00	11.00	32.00	22.50
10	CCS HAU, Hisar	BASMATI-370	1973	72.00	20.00	0.00	20.00	-52.00
		TARAORI BASMATI (HBC-19)	1996	1.00	1.00	0.00	1.00	0.00
		HKR-127 (HKR-95-222)	2010	0.30	3.00	0.00	3.00	2.70
		HKR-47	2005	4.00	5.00	0.00	5.00	1.00
		Total		77.30	29.00	0.00	29.00	-48.30
11	CSKHPKV, Palampur	Him Palam Dhan 3 (IET 27472) (HPR 2865)	2024	0.43	4.10	0.00	4.10	3.67
		Him Palam Lal Dhan-1 (HPR-2795)	2018	0.70	0.15	0.00	0.15	-0.55
		HPR-1068	2006	6.87	9.00	0.00	9.00	2.13
		HPR-2143	2006	0.80	0.80	0.00	0.80	0.00
		BASMATI KASTURI (IET-8580)	1989	1.45	4.03	0.00	4.03	2.58
		Total		10.25	18.08	0.00	18.08	7.83
12	GBPUAT, Pantnagar	Pant Dhan 28 (UPR 3667-2-1-2)	2020	0.20	11.60	0.00	11.60	11.40
		Pant Dhan 18 (IET 17920) (UPRI 99-1)	2007	0.80	10.09	0.00	10.09	9.29
		Pant Dhan 26 (UPR 3425-14-3-1)	2017	2.30	43.18	0.00	43.18	40.88
		PANT SUGANDH DHAN 27	2023	0.30	3.70	0.00	3.70	3.40
		Total		3.60	68.57	0.00	68.57	64.97
13	TNAU, Coimbatore	ASD 21 (AS 15024)	2023	9.60	9.60	0.00	9.60	0.00
	TNAU ARS, Vaigaidam	VGD 1 (VG 09006) (IET 24606)	2019	0.30	0.30	0.00	0.30	0.00
	TNAU Dept. of Rice	Co (R)48	2009	0.50	0.00	0.00	0.00	-0.50
		CO 54 (CB 12588)	2021	2.40	0.00	2.40	2.40	0.00
		CO 55 (CB 15714) 4	2022	24.90	24.90	0.00	24.90	0.00
		TKM-9	1982	0.30	0.00	0.00	0.00	-0.30

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		CO(R) 50 (IET 19321) (CB 01001)	2009	3.50	4.00	0.00	4.00	0.50
		CO 56 (CB12132)	2023	15.00	0.00	18.00	18.00	3.00
		TKM 15 (TM 12077)	2022	1.20	0.00	1.50	1.50	0.30
		Rice CR 1009 Sub1	2016	37.90	37.90	0.00	37.90	0.00
		CO52	2018	6.60	0.00	6.60	6.60	0.00
		TM 07278	2016	0.30	0.00	0.30	0.30	0.00
		TKM 13	2016	2.10	0.00	6.10	6.10	4.00
		TPS-5	2015	18.50	19.00	0.00	19.00	0.50
		TPS-3	1997	4.20	0.00	4.20	4.20	0.00
		CO 51	2015	26.15	0.00	27.00	27.00	0.85
		CO 57 (IET 31924)	2024	2.10	0.00	2.10	2.10	0.00
		CO 58 (IET-25577)	2024	1.20	0.00	1.20	1.20	0.00
	TNAU IOA Kumulur	IMPROVED WHITE PONNI	1989	7.50	0.00	7.50	7.50	0.00
	TNAU PBG Adaeri Trichy	TRY 5 [TR 09030]	2022	0.60	0.00	1.00	1.00	0.40
		RICE TRY 4 (TR 05031)	2021	0.60	0.60	0.00	0.60	0.00
		TRY 3	2012	5.10	0.00	6.00	6.00	0.90
	TNAU TRRI Aduthurai	ADT-37	1989	12.30	14.00	0.00	14.00	1.70
		ADT 55	2021	1.20	0.00	1.20	1.20	0.00
		Rice ADT 57 (AD 09219)	2022	1.80	2.00	0.00	2.00	0.20
		ADT-39	1989	0.90	0.00	2.90	2.90	2.00
		ADT-38	1989	3.00	0.00	3.00	3.00	0.00
		ADT 51 (AD 09367) (IET 23617)	2018	13.50	0.00	13.50	13.50	0.00
		ADT 58 (AD 12132)	2023	17.70	18.70	0.00	18.70	1.00
		ADT 54 (AD 09493) (IET 24249)	2020	18.20	0.00	18.20	18.20	0.00

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		ADT (R) 45 (IET-15924)	2001	4.50	0.00	6.00	6.00	1.50
		ADT 53 (IET 23955)-AD 07073	2019	5.45	0.00	6.45	6.45	1.00
		ADT 56 (IET27920)	2022	10.00	10.00	0.00	10.00	0.00
		ADT-44	2000	0.30	0.00	0.00	0.00	-0.30
		ADTRH-1 (ADRH-4)	1999	0.50	0.00	0.00	0.00	-0.50
		ADT 59 (IET-29154)	2024	9.90	0.00	9.90	9.90	0.00
		Total		269.80	141.00	145.05	286.05	16.25
14	CRRRI, Cuttack	SWARANA-SUB 1 (CR 2539-1) IET-20266	2009	96.80	119.40	0.00	119.40	22.60
		Naveen (CR-749-20-2) (IET-14461)	2006	0.75	0.00	2.00	2.00	1.25
		Geetanjali (CRM-2007-1) (IET-17276)	2006	0.90	7.00	23.30	30.30	29.40
		CR Dhan 410 (IET 24471)	2020	0.50	0.50	0.00	0.50	0.00
		ANJALI (IET-16430, RR-347-166)	2002	0.60	0.60	0.00	0.60	0.00
		GAYATRI (IET-8022)	1989	1.40	24.10	0.00	24.10	22.70
		CR Dhan 103 (Pramod)	2022	1.05	0.00	0.50	0.50	-0.55
		CR DHAN-318 (IET 27803)	2021	0.40	0.45	0.00	0.45	0.05
		CR Dhan 800 (Swarna – MAS) (CRMAS 2232- 85)	2018	6.22	7.50	3.40	10.90	4.68
		CR Dhan 806 (Varsa dhan Sub1)	2023	2.65	0.00	0.00	0.00	-2.65
		MUKUL (CR Dhan 311) (IET 24772) (CR 2829-PLN-100)	2019	11.25	0.00	16.40	16.40	5.15
		LUNISREE	1992	0.60	2.50	0.00	2.50	1.90
		CR DHAN 701 (IET 20852) (CRHR 32)	2012	0.02	0.60	0.90	1.50	1.48
		LUNA SUVARNA (IET 18697)	2011	0.05	2.80	0.00	2.80	2.75
		CR Dhan107 (Unnat Vandana)	2022	1.65	2.50	3.00	5.50	3.85
		CR Dhan 306 (IET 22084)	2019	0.60	0.50	0.00	0.50	-0.10
		CR Dhan 310	2022	22.10	0.00	23.50	23.50	1.40

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		CR Dhan 323 (Jyotsna)	2023	0.50	0.60	0.00	0.60	0.10
		CR Dhan 326 (Panchatatva)	2023	0.55	0.00	0.20	0.20	-0.35
		CR Dhan 324 (Abhaya Paushtik)	2023	0.50	0.00	3.20	3.20	2.70
		CR Dhan 328	2023	0.65	0.00	1.40	1.40	0.75
		CR Dhan 805 (Naveen Shakti)	2023	0.50	0.00	3.30	3.30	2.80
		CR Dhan 911 (Basudev)	2023	1.00	7.00	36.10	43.10	42.10
		LUNASAMPAD (IET 19470)	2011	0.35	1.00	0.00	1.00	0.65
		CR Dhan 309 (IET 25345) (IR95797-CR3847-2-1-1-1-1)	2019	11.30	4.00	0.00	4.00	-7.30
		CR Dhan 802 (SUBHAS) (IET 25673) (CR 3925-22-7)	2019	43.45	27.90	0.00	27.90	-15.55
		Pradhan Dhan (CR 409) IET 23110 (CR 2690-2- 2-1-1-1)	2018	0.30	6.90	0.00	6.90	6.60
		CR Dhan 321 (IET 28354)	2022	18.82		14.90	14.90	-3.92
		Improved Lalat (CRMAS 2621-7-1)	2013	4.45	1.50	0.00	1.50	-2.95
		Improved Tapaswini (CRMAS 2622-7-6)	2013	0.05		0.00	0.00	-0.05
		CR Dhan 414 (IET 27051)	2022	1.00	1.00	0.00	1.00	0.00
		CR Dhan 314 (IET 27263)	2022	11.05	10.20	0.00	10.20	-0.85
		CR Dhan 300 (CR2301-5) (IET 19816)	2014	0.30	0.90	0.00	0.90	0.60
		CR Dhan 602 (IET 26692)	2020	0.30	0.80	0.00	0.80	0.50
		CR Dhan 308 (IET 25523)	2020	0.30	0.50	0.00	0.50	0.20
		CR DHAN-320 (IET 27914)	2021	0.40	0.30	0.00	0.30	-0.10
		CR DHAN-319	2021	0.40	0.30	0.00	0.30	-0.10
		SARLA CR-260-77 (IET-10279)	2002	2.70	14.30	0.00	14.30	11.60
		CR Dhan 801 (IET 25667) (IR96322-34-223-B-1-1-1- CR3955-2)	2019	9.80	12.90	0.00	12.90	3.10
		DHARITRI (IET-6272)	1989	2.50	19.10	0.00	19.10	16.60
		SAVITRI (IET - 5897) (CR 1009)	1983	0.90	12.50	0.00	12.50	11.60

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		Sambha Sub - 1 (IET 21248)	2015	2.70			0.00	-2.70
		CR DHAN 601(IET 18558)	2011	0.60	0.00	0.50	0.50	-0.10
		CR Dhan 408 (Chakaakhi) (IET 20265) (CR491-1590-330-2-1)	2018	0.30	0.20	0.00	0.20	-0.10
		CR Dhan 803 (Trilochan, IET 26398)	2021	0.20	13.70	0.00	13.70	13.50
		CR DHAN 702 (IET 25231)	2021	0.02	0.60	1.80	2.40	2.38
		Varshadhan (CRLC-899) (IET-16481)	2006	1.70	4.50	0.00	4.50	2.80
		CR Dhan 411 (Swaranjali, IET 27852)	2021	1.10	1.10	0.00	1.10	0.00
		CR Dhan 316 (CRR1 Gaurav-1)	2021	1.25	0.00	0.50	0.50	-0.75
		CR Dhan 703 (IET 25278)	2021	0.02	0.30	1.80	2.10	2.08
		POOJA (IET-12241)	1999	12.10	35.50	0.00	35.50	23.40
		CR Dhan 312 (CR 3808-13) (IET 25997)	2020	0.30	4.20	0.00	4.20	3.90
		CR Dhan 203 (Sachala IET- 2717-10-IR 84899-B-185) (IET 22731)	2015	0.50	0.00	1.30	1.30	0.80
		CR Sugandh Dhan 908 (IET 23189) (CR 2713-35)	2017	0.30	8.00	0.00	8.00	7.70
		CR-1014	1989	0.90	1.00	0.00	1.00	0.10
		CR Dhan 212 (IET 29424)	2024	1.00	0.00	1.20	1.20	0.20
		CR Dhan -332 (IET-28506)	2024	0.30	0.00	1.40	1.40	1.10
		CR Dhan- 810 (IET- 30409)	2024	7.35	6.00	0.00	6.00	-1.35
		CR Dhan-108 (IET -29052)	2024	1.10	0.00	2.40	2.40	1.30
		CR Dhan- 337 (IET-29939)	2024	0.80	0.00	1.20	1.20	0.40
		CR Dhan-809 (IET- 30282)	2024	1.15	0.50	0.00	0.50	-0.65
		CR Dhan- 416 (IET-30201)	2024	1.00	8.00	0.00	8.00	7.00
		CR Dhan 811	2024	2.15	0.00	0.00	0.00	-2.15
		CR Dhan 329 (IET 29236) ((CR 3580 - 3-1-1-1-1-2)	2023	0.50	0.00	2.30	2.30	1.80

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		CR Dhan 804 (IET 28032) (CRR 751-1-7-B-B)	2024	6.20	50.00		50.00	43.80
		CR Dhan 807 (CR 4333- 35-2-2-1) (IET 30438)	2024	3.00	0.00	1.40	1.40	-1.60
		CR Dhan 214 (IET 29436) (CRR 821-21-2- 1-3)	2024	0.50	0.00	0.90	0.90	0.40
		CR Dhan 808 (IET 28834) (CRR 809-11-1-9-B)	2024	20.00	25.00		25.00	5.00
		Labanga Dhan (CR Dhan 603)	2024	0.75	0.00	0.50	0.50	-0.25
		CR Dhan 211 (IET 29411)	2024	0.50	0.00	3.70	3.70	3.20
		CR Dhan 305 (IET 21287)	2014	0.20	0.40		0.40	0.20
		CR DHAN-307 (Maudamani) (CR 2599) IET 20925)	2015	11.45	0.00	13.50	13.50	2.05
		Sabdhagidhan (IET 19576) (IR74371-70-1-1-CRR-1)	2011	3.45	0.00	0.00	0.00	-3.45
		CR Sugandhdhan 3		0.00	0.00	3.50	3.50	3.50
		CR Dhan 909		0.00	0.00	11.00	11.00	11.00
		Kalachampa		0.00	0.00	9.00	9.00	9.00
		Ketekijoha		0.00	0.00	5.20	5.20	5.20
		Nua Chinikamani		0.00	0.00	19.00	19.00	19.00
		Nua Kalajeera		0.00	0.00	12.00	12.00	12.00
		Poorna Bhog		0.00	0.00	10.00	10.00	10.00
		Ratna		0.00	0.00	2.70	2.70	2.70
		CR 1009 sub1		0.00	0.00	14.10	14.10	14.10
		Phalguni		0.00	0.00		0.00	0.00
		Ajay		0.00	0.00	0.60	0.60	0.60
		Rajalaxmi		0.00	0.00	0.30	0.30	0.30
		CR Dhan 704		0.00	0.00	1.00	1.00	1.00
		Total		343.00	449.15	254.90	704.05	361.05
15	ICAR-CSSRI, Kamal	CSR 101 (CSR-389-16-22) (IET-30827)	2024	2.60	4.00	0.00	4.00	1.40
		CSR 30 (88-H5-1-1-2 IET-14720, YAMANI)	2001	0.16	4.50	0.00	4.50	4.34

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		CSR 76 (IET 27070)	2021	0.90	1.50	0.00	1.50	0.60
		CSR 105 (CSR PET- 27) (IET-30004)	2024	0.08	2.50	0.00	2.50	2.42
		CSR 104 (CSR YET- 59) (IET-29354)	2024	0.28	1.50	0.00	1.50	1.22
		Total		4.02	14.00	0.00	14.00	9.98
16	ICAR IARI-SPU, New Delhi	PUSA SUGANDH-2 (IET-16310, PUSA-204-1-126)	2001	0.10	1.70	0.00	1.70	1.60
		PNR-381 (IET - 9208)	1992	0.50		0.00	0.00	-0.50
		Pusa Sugandh-5(IET-17021)	2005	2.12	13.30	0.00	13.30	11.18
		Pusa CRD KN2 (Pusa1638-07-171-1-81-1-2)	2023	0.90	1.50	0.00	1.50	0.60
		Pusa Narendra KN1 (Pusa1638-07-130-2-67-1-1)	2023	1.80	2.00	0.00	2.00	0.20
		Pusa Samba 1853 (IET 28014)	2022	2.00	11.00	0.00	11.00	9.00
		Pusa Samba 1850 (Pusa 1850-27) (IET 25480)	2018	2.00	35.70	0.00	35.70	33.70
		PNR-162	1995	0.50	0.00	0.00	0.00	-0.50
		PUSA-44	1994	6.80	0.00	0.00	0.00	-6.80
		PNR-519	2000	0.50	0.00	0.00	0.00	-0.50
		Pusa 2090 (IET-29217)	2024	9.90	23.40	0.00	23.40	13.50
		Pusa 1824 (IET-28442)	2024	6.30	19.50	0.00	19.50	13.20
	ICAR IARI RS, Karnal	PB-1509	2013	15.42	13.56	0.00	13.56	-1.86
		PB-1718	2017	33.83	0.00	0.00	0.00	-33.83
		Pusa Basmati 1637 (IET 24570)	2016	3.00	2.52	0.00	2.52	-0.48
		Pusa Basmati 1692 (IET 26995)	2020	20.43	13.44	0.00	13.44	-6.99
		Pusa Basmati 1882 (IET 28788)	2022	18.60	12.86	0.00	12.86	-5.74
		Pusa Basmati 1718 (IET 24565 Pusa 1718-14-2- 150)	2017	12.46	0.76	0.00	0.76	-11.70
		Improved Pusa Basmati-1 (IET - 18990) (Pusa 1460-01-32-6-7-67)	2007	0.50	0.00	0.00	0.00	-0.50

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					Kharif 2025	Expected Rabi/ Summer	Total	
		Pusa Basmati-1509 (Pusa 1509-03-3-9-5)	2013	1.36		0.00	0.00	-1.36
		Pusa Basmati-1985	2021	12.80	17.12	0.00	17.12	4.32
		PUSA BASMATI 1847	2021	20.34	23.52	0.00	23.52	3.18
		PUSA BASMATI 1886	2021	9.74	3.48	0.00	3.48	-6.26
		PUSA BASMATI 1885	2021	17.20	5.16	0.00	5.16	-12.04
		PUSA BASMATI 1979	2021	6.28	2.00	0.00	2.00	-4.28
		Pusa Basmati 1121 (Pusa Sugandh 4)	2005	9.92	3.36	0.00	3.36	-6.56
		Total		215.30	205.88	0.00	205.88	-9.42
17	IIRR, Hyderabad	Jaya	1978	9.30	0.00	10.00	10.00	0.70
		Masuri	1978	0.90	0.00	0.90	0.90	0.00
		DRR Dhan 54 (IET 25653) (RP 5943-421-16-1-1-B)	2021	15.00	0.00	15.00	15.00	0.00
		DRR Dhan 64 (IET 28358)	2022	15.30	0.00	16.00	16.00	0.70
		DRR Dhan 65 (IET 27641)	2022	0.10	0.10	0.00	0.10	0.00
		DRR DHAN 63 (IET 26596)	2021	0.90	0.90	0.00	0.90	0.00
		DRR Dhan 53 {RP-6113-Partho-BB9, (IET 27294)	2021	16.65	0.00	20.00	20.00	3.35
		Bina Dhan 11	2015	27.05	0.00	28.00	28.00	0.95
		Bina Dhan 17 GSR (SAGC7) (IET 24460)	2018	16.20	20.00	0.00	20.00	3.80
		DRR Dhan 43 (IET 22080)	2015	10.00	0.00	10.00	10.00	0.00
		BRRI Dhan 69 (WTR 1) (IET 24461)	2018	0.60	0.00	0.60	0.60	0.00
		Akshayadhan (IET 19367)	2008	2.00	2.00	0.00	2.00	0.00
		Sampada (IET 19424)	2008	2.10	2.10	0.00	2.10	0.00
		Improved Samba Mahsuri	2008	0.30	0.00	2.00	2.00	1.70
		DRR Dhan 50 (IET 25671)	2018	10.70	4.00	7.00	11.00	0.30
		DRR Dhan 51 (IET 25484)	2018	0.60	0.00	0.60	0.60	0.00
		DRR Dhan 48 (IET 24555)	2018	3.10	3.50	0.00	3.50	0.40

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					Kharif 2025	Expected Rabi/ Summer	Total	
		DRR Dhan 46 (IET 23420)	2016	0.75	0.00	0.75	0.75	0.00
		DRR DHAN 59	2021	0.10	0.10	0.00	0.10	0.00
		DRR DHAN 60	2021	0.70	2.00	0.00	2.00	1.30
		BINA DHAN 10	2015	8.00	0.00	10.00	10.00	2.00
		DRR DHAN 45 (IET 23832) (rp 5886-HP 3-IR80463-B39-	2016	2.35	0.00	2.50	2.50	0.15
		DRR DHAN 44 (IET 22081)	2015	0.10	0.00	0.10	0.10	0.00
		DRR Dhan- 78 (IET- 30240)	2024	0.50	0.50	0.00	0.50	0.00
		DRR Dhan- 79 (IET- 29859)	2024	5.50	4.50	3.00	7.50	2.00
		DRR Dhan- 74 (IET- 30252)	2024	0.50	0.50	0.00	0.50	0.00
		DRR Dhan- 73 (IET- 30242)	2024	0.50	0.00	0.50	0.50	0.00
		DRR Dhan- 75 (IET-30107)	2024	3.70	5.00	0.00	5.00	1.30
		DRR Dhan- 76 (IET-29808)	2024	2.30	0.00	3.00	3.00	0.70
		IR-64 Drt I (IR 87707-44-5-B-B-B)	2015	1.35	0.00	1.50	1.50	0.15
		Total		157.15	45.20	131.45	176.65	19.50
18	ICAR RC NEH-Region Manipur	TRC 2015-5 (IET 26178) Aerobic Dhan-1	2021	0.15	1.00	1.50	2.50	2.35
		Tripura Chikan Dhan	2018	0.15	1.00	0.00	1.00	0.85
		GOMATI DHAN TRC-2005-1 (TRC-05-8-4-42-8-3-7) IET 21512	2018	0.25	2.50	0.00	2.50	2.25
		Kali Khasa	2004	0.25	0.25	0.00	0.25	0.00
		Tripura Hakuchuk-2	2018	0.15	3.50	2.50	6.00	5.85
		RC Maniphou 16	2022	3.10	8.00	0.00	8.00	4.90
		RC Maniphou 15	2022	3.10	8.40	0.00	8.40	5.30
		RC Maniphou 13	2018	3.10	7.60	0.00	7.60	4.50

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					Kharif 2025	Expected Rabi/ Summer	Total	
		RC Manichakhao-1	2025	0.60	2.50	0.00	2.50	1.90
		Sikkim Dhan-1 (IET 22984)	2020	0.00	0.17	0.00	0.17	0.17
		Sikkim Dhan-2 (IET 26579)	2020	0.00	0.17	0.00	0.17	0.17
		Sikkim Dhan-3 (IET 25539)	2020	0.00	0.04	0.00	0.04	0.04
		Sikkim Dhan-4 (IET 26596)	2020	0.00	0.00	0.00	0.00	0.00
		Sikkim Organic chirakey selection 1	2024	0.00	0.17	0.00	0.17	0.17
		Total		10.85	35.31	4.00	39.31	28.46
19	ICAR-RCER, Patna	Swarna Shreya (IET 24003)	2018	5.50	9.50	0.00	9.50	4.00
		Swarna Smriddhi Dhan (IET 24306)	2021	20.05	25.00	0.00	25.00	4.95
		Swarna Shusk Dhan	2023	0.90	3.00	0.00	3.00	2.10
		Swarna Purvi Dhan 1	2023	0.30	2.00	0.00	2.00	1.70
		Swarna Purvi Dhan 2	2023	0.30	3.00	0.00	3.00	2.70
		Swarna Purvi Dhan 3 (IET 28329)	2022	15.90	25.00	0.00	25.00	9.10
		Swarna Shakti Dhan (IET 25640) (RCPF-22-IR84899-B-183-20-1-1-1)	2020	15.30	17.75	0.00	17.75	2.45
		SWARNA UNNAT DHAN (IET 27892)	2021	15.10	19.75	0.00	19.75	4.65
		SWARNA SUKHA DHAN (IET 24692)	2021	0.30	1.00	0.00	1.00	0.70
		Swarna Purvi Dhan-5 (IET- 29036)	2024	0.20	4.75	0.00	4.75	4.55
		SAMARIDHI (R-2384)	1982	0.10	25.00	0.00	25.00	24.90
		Total		73.95	135.75	0.00	135.75	61.80
20	VPKAS, Almora	VL Dhan 88 (IET 25819) (VL 32224)	2021	0.60	1.00	0.00	1.00	0.40
		VL Dhan 70	2022	2.60	3.00	0.00	3.00	0.40
		VL DHAN 69 (IET 26596)	2021	1.60	1.60	0.00	1.60	0.00
		VL Bosi Dhan (VL-32585) (IET- 28883)	2024	0.60	0.00	0.00	0.00	-0.60

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					Kharif 2025	Expected Rabi/ Summer	Total	
		VL Barik Dhan (VL Dhan 89, VL 32560, IET 28895))	2024	0.60	1.00	0.00	1.00	0.40
		Total		6.00	6.60	0.00	6.60	0.60
21	IGKV, Raipur	IR-20	1978	6.60	0.00	0.00	0.00	-6.60
		Chhattisgarh Madhuraj Dhaan-55	2016	2.30	15.90	0.00	15.90	13.60
		Bastar Dhan- 1 (IET 26624)	2020	0.60	3.60	0.00	3.60	3.00
		Dubraj Selection -1	2016	5.30	19.50	0.00	19.50	14.20
		Vishnubhog Selection-1	2016	5.30	13.80	0.00	13.80	8.50
		Badshabhog Selection-1		1.82	24.90	0.00	24.90	23.08
		IGRKVR-1244 (R1244-1246-1-605-1)(IET 19796)	2012	0.30	7.80	0.00	7.80	7.50
		Chhattisgarh Zinc rice-1 (CGZR-1) (IET No.23824, R-RHZ-2) (R- 1033-968-2-1)	2016	0.60	6.60	0.00	6.60	6.00
		CG Barani Dhan-2 (R-RF-105, IET No. 24690)	2021	5.60	5.70	0.00	5.70	0.10
		TROMBAY CHHATTISGARH SONAGATHI MUTANT (TCSM)	2021	1.00	24.70	0.00	24.70	23.70
		TROMBAY CHHATTISGARH VISHNUBHOG MUTANT (TCVM)	2021	1.00	9.60	0.00	9.60	8.60
		Chhattisgarh Zinc Rice- 2 (CGZR-2) (IET 23829)	2019	0.60	9.20	0.00	9.20	8.60
		IR-36	1982	3.25	18.30	0.00	18.30	15.05
		IR-8	1978	0.00	0.00	0.00	0.00	0.00
		Trombay Chhattisgarh Dubraj Mutant-1 (TCDM-1)	2019	3.00	12.60	0.00	12.60	9.60
		ZincoRice-MS (IET 25477) (R-RHZ-LI-23)	2019	0.60	11.10	0.00	11.10	10.50
		Tarunbhog Selection-1	2016	5.30	9.30	0.00	9.30	4.00
		Protezin (IET 25470) (R-RHZ-R-56)	2020	5.00	15.00	0.00	15.00	10.00

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					Kharif 2025	Expected Rabi/ Summer	Total	
		INDIRA BARANI DHAN-1 (RF-17-38-70)(IET 21205)	2012	1.00	9.00	0.00	9.00	8.00
		CG Jawaphool Trombay (RTR-31)	2021	2.00	9.30	0.00	9.30	7.30
		MAHAMAYA	1996	108.60	216.00	0.00	216.00	107.40
		CG Tejaswi Dhan (IGKV DH Rice-1)	2021	7.30	13.20	0.00	13.20	5.90
		VIKRAM-TCR (Vikram-Trombay Chattisgarh Rice)	2021	8.00	51.00	0.00	51.00	43.00
		Chhattisgarh Devbhog (IET 23879) (R-1656-1146-5-513-1)	2019	14.50	45.60	0.00	45.60	31.10
		CHHATTISGARH DHAN 1919	2021	13.00	39.00	0.00	39.00	26.00
		Indira Aerobic-1 (R1570-2649-1-1546-1) (IET 21686)	2015	6.00	29.10	0.00	29.10	23.10
		IR-64	1991	42.15	76.50	0.00	76.50	34.35
		IGKVR-1 (IET 19569)	2011	37.00	43.50	0.00	43.50	6.50
		Shyamala	1997	3.00	9.00	0.00	9.00	6.00
		Total		290.72	748.80	0.00	748.80	458.08
22	JNKVV, Jabalpur	JR 206 (IET 26079)	2019	136.75	1203.31	0.00	1203.31	1066.56
		Improved Jeera Shankar	2018	1.25	4.59	0.00	4.59	3.34
		JR-81	2018	0.10	133.87	0.00	133.87	133.77
		JR 21 (JR 81-01)	2023	118.80	506.56	0.00	506.56	387.76
		KRANTI (R-2022)	1982	7.70	1304.27	0.00	1304.27	1296.57
		JR 10	2021	92.50	210.47	0.00	210.47	117.97
		JR 767	2016	5.00	0.77	0.00	0.77	-4.23
		SHYAMALA (IET-12561, R 259-WR-37-2)	1997	3.00	0.00	0.00	0.00	-3.00
		Total		365.10	3363.84	0.00	3363.84	2998.74
23	KAU, Pattambi	Kau Manu Rathna (HS-16)	2021	0.10	0.00	1.00	1.00	0.90
		PTB-51 (AATHIRA)	2006	0.80	0.00	2.00	2.00	1.20

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					Kharif 2025	Expected Rabi/ Summer	Total	
		JYOTHI	1977	5.90	10.00	9.00	19.00	13.10
		KUMBHAM (KTR-3)	2002	0.30	0.00	0.00	0.00	-0.30
		BHADRA (MO-4)	1980	1.75	0.00	1.75	1.75	0.00
		MO 21 (PRATHEEKSHA)	2010	0.20	0.00	1.00	1.00	0.80
		KAUM 42-6-3 (D1) (MO 16-UMA, IET-14758)	2002	9.35	0.00	9.35	9.35	0.00
		Kau Pournami (MO 23)	2021	2.05	0.00	2.50	2.50	0.45
		Kau VTL 11 (Jyotsna) (KAU. BIL4)	2021	0.30	0.10	0.00	0.10	-0.20
		Total		20.75	10.10	26.60	36.70	15.95
24	UAHS, Shivamogga	Tunga (IET-13901)	2006	0.95	2.00	0.00	2.00	1.05
		Sahyadrikempumukthi	2022	1.25	2.00	0.00	2.00	0.75
		KHP-13 (Bharath) (IET 21479)	2018	0.25	1.00	0.00	1.00	0.75
		KKP-5 (IET 24250)	2018	0.60	1.00	0.00	1.00	0.40
		Sahyadri-2 (KJTRH-3) (IET-17661)	2007	5.00	0.00	0.00	0.00	-5.00
		Sahyadri-3 (KJTRH-12) (IET-18829)	2007	5.00	0.00	0.00	0.00	-5.00
		Sahyadri Panchmukhi	2021	0.25	2.00	0.00	2.00	1.75
		Sahyadri Siri	2024	0.25	2.00	0.00	2.00	1.75
		Sahyadri Jalmukthi (KHP14/IET- 30872)	2024	0.20	2.00	0.00	2.00	1.80
		Sahyadri Saphami (BMR-US-1-24-2)	2024	0.25	2.00	0.00	2.00	1.75
		Total		14.00	14.00	0.00	14.00	0.00
25	MPKV, Rahuri	Bhogavati	2007	0.40	2.00	0.00	2.00	1.60
		Phule Samruddhi (VDN-99-29)	2010	0.80	4.00	0.00	4.00	3.20
		INDRAYANI (IET - 12897)	1993	16.50	100.00	0.00	100.00	83.50
		Total		17.70	106.00	0.00	106.00	88.30
26	NDUAT, Ayodhya	IR 64- Sub 1 (IET 21247)	2020	14.40	12.60	0.00	12.60	-1.80
		SARJOO-52	1982	1.00	37.05	0.00	37.05	36.05

Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		NDR 9930111 (IET-19117)	2021	9.60	3.00	0.00	3.00	-6.60
		NDR 2065 (IET 17476)	2011	2.00	22.75	0.00	22.75	20.75
		NARENDRA DHAN-359 (NDR-359)	1994	1.80	30.54	0.00	30.54	28.74
		NARENDRA DHAN-97	1992	0.10	15.00	0.00	15.00	14.90
		Total		28.90	120.94	0.00	120.94	92.04
27	OUAT, Bhubaneshwar	Rani Dhan (IET-19148)	2009	0.40	0.60	0.00	0.60	0.20
		Pratikshya (ORS 201-5) (IET-15191)	2006	13.70	30.00	0.00	30.00	16.30
		KALINGA DHAN 1301	2021	0.30	5.00	0.00	5.00	4.70
		Hasanta (OR 2328-5) (IET 21477)	2018	1.20	5.00	0.00	5.00	3.80
		MRUNALINI (OR 1898-18) IET 18649	2011	0.25	3.00	0.00	3.00	2.75
		TEJASWANI (OR 1912-22)	2011	0.20	0.20	0.00	0.20	0.00
		OUAT Kalinga Rice 6 (Bhargavi)	2023	0.50	0.80	0.00	0.80	0.30
		OUAT Kalinga Rice 1 (Kolab)	2023	0.50	1.60	0.00	1.60	1.10
		OUAT Kalinga Rice 2 (Salandi)	2023	0.50	1.00	0.00	1.00	0.50
		OUAT Kalinga Rice 8 (Surya Shree)	2023	0.50	0.00	0.00	0.00	-0.50
		OUAT Kalinga Rice 7 (Barunei)	2023	0.50	1.20	0.00	1.20	0.70
		OUAT Kalinga Rice 5 (Nabanna)	2023	4.00	0.00	4.00	4.00	0.00
		Manaswini (IET 19005)	2008	0.30	0.50	0.00	0.50	0.20
		Gobinda (OR 2324-8) (IET 21009)	2018	0.02	0.02	0.00	0.02	0.00
		PRATIBHA (OR 2172-7) IET 21582	2018	0.20	0.20	0.00	0.20	0.00
		KALACHAMPA	2015	37.65	90.00	0.00	90.00	52.35
		KALINGA DHAN 1203 (IET 27117)	2021	1.00	5.00	0.00	5.00	4.00
		JAGABANDHU (OR 1206-25-1) (IET-14100)	2002	0.30	2.00	0.00	2.00	1.70
		Kalinga Dhan-1205 (IET 22579)	2021	1.00	1.20	0.00	1.20	0.20

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					Kharif 2025	Expected Rabi/ Summer	Total	
		Kalinga Dhan-1501	2021	1.10	1.40	0.00	1.40	0.30
		LALAT (IET-9947)	1989	8.38	5.20	10.00	15.20	6.82
		PARIJAT (IET-2684)	1985	2.58	0.00	2.60	2.60	0.02
		Upahar(OR 1234-12-1) (IET 17318)	2006	0.30	1.20	0.00	1.20	0.90
		Kalinga Dhan 1401	2021	0.50	1.20	0.00	1.20	0.70
		SATYA	1988	0.90	0.00	0.90	0.90	0.00
		KHANDAGIRI	1994	3.15	5.90	8.10	14.00	10.85
		UDAYAGIRI (IET-12316)	1999	0.30	6.60	0.00	6.60	6.30
		SURENDRA (IET-12815)	1999	0.60	0.60	0.00	0.60	0.00
		Kalinga Dhan-1204	2021	0.50	4.20	0.00	4.20	3.70
		Kalinga Dhan-1502	2021	0.50	7.20	0.00	7.20	6.70
		Total		81.83	180.82	25.60	206.42	124.59
28	PAJANCOA & RI, Karikal	PY-4	1991	0.30	0.30	0.00	0.30	0.00
		KKL (R) 4 (IET-30697) (KR- 19011)	2024	1.40	1.40	0.00	1.40	0.00
		Total		1.70	1.70	0.00	1.70	0.00
29	PAU, Ludhiana	PR 127 (RYT 13316)	2020	2.50	12.30	0.00	12.30	9.80
		PR 121 (RYT 3240)	2015	1.52	40.95	0.00	40.95	39.43
		PR 118	2007	1.48	20.50	0.00	20.50	19.02
		PR-113	2001	19.58	73.70	0.00	73.70	54.12
		PR 130 (PRYT 3797)	2023	5.92	13.35	0.00	13.35	7.43
		PR 122 (RYT 3129)	2015	0.86	28.80	0.00	28.80	27.94
		PR-114	2001	3.58	114.35	0.00	114.35	110.77
		Punjab Basmati 7	2022	0.46	42.50	0.00	42.50	42.04
		PR-126 (RYT 3379) (IET-24721)	2018	16.23	87.88	0.00	87.88	71.65
		PR 128 (RYT 3437)	2021	1.52	42.50	0.00	42.50	40.98

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					Kharif 2025	Expected Rabi/ Summer	Total	
		PR 129 (RYT 3468)	2021	3.50	12.50	0.00	12.50	9.00
		PR-131 (RYT 3888)	2024	7.68	91.35	0.00	91.35	83.67
		Total		64.83	580.68	0.00	580.68	515.85
30	PDKV, Akola	PKV Makarand	2005	2.00	7.10	0.00	7.10	5.10
		PDKV TILAK (SYE-503-78-34-2)	2019	2.20	42.50	0.00	42.50	40.30
		Sakoli-9 (SKL-2-50-56-45-30-60)	2019	0.20	1.40	0.00	1.40	1.20
		PKV HMT	2008	11.70	67.00	0.00	67.00	55.30
		PDKV SADHANA	2023	1.00	34.20	0.00	34.20	33.20
		PDKV Sakoli Red Rice 1	2021	0.06	0.90	0.00	0.90	0.84
		PDKV Kisan (SKL-22-39-31-25-31-34)	2018	0.20	2.40	0.00	2.40	2.20
		Total		17.36	155.50	0.00	155.50	138.14
31	PJTSAU, Hyderabad	Telangana Rice 6 (KNM 7048 (IET 28332)	2022	0.25	1.50	5.00	6.50	6.25
		Telangana Rice 7037 (IET 28356) (KNM 7037)	2024	3.50	2.00	5.00	7.00	3.50
		Kunaram Rice-1 (KNM 733) (IET 27405)	2020	0.20	10.50	25.00	35.50	35.30
		Telangana Rice 7 (KNM6 6965 (IET 28343)	2022	2.20	0.75	5.00	5.75	3.55
		Kunaram Vari-2 (KNM 1638)	2021	7.16	82.20	100.00	182.20	175.04
		Kunaram Sannalu (KNM 118) (IET No.23748)	2016	6.16	50.75	80.00	130.75	124.59
		JGL-1798	2004	5.00	22.00	18.00	40.00	35.00
		JGL 18047 (Bathukamma)	2016	1.15	11.57	0.00	11.57	10.42
		Telangana Vari 3 (IET 26125-JGL 21078)	2021	0.20	0.00	1.75	1.75	1.55
		JAGTIALA VARI 2 (JGL 28545)	2023	0.50	9.30	0.00	9.30	8.80
		Jagtiala Rice-1 (JGL24423) (IET 25310)	2020	7.60	0.00	110.00	110.00	102.40
		JGL-384	2004	0.10	16.00	20.00	36.00	35.90
		Jagtiala Vari-3 (JGL 27356 (IET 30064)	2023	2.70	11.75	18.00	29.75	27.05

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					Kharif 2025	Expected Rabi/ Summer	Total	
		Warangal Rice - 1 WGL-915 (IET 25284)	2020	0.20	0.20	0.00	0.20	0.00
		Warangal vari 1119 (WGL 1119) (IET-27868)	2024	0.50	0.50	0.00	0.50	0.00
		WGL-1487 (Telangana Vari-8) (IET 28818)	2022	0.20	0.20	0.00	0.20	0.00
		Telangana Vari-2 IET 26027(WGL 697)	2021	0.20	0.20	0.00	0.20	0.00
		Telangana Vari-1 (IET 25330) (WGL-739)	2020	1.90	1.90	0.00	1.90	0.00
		ERRA MALLELU (WGL-20471)	1993	2.64	2.64	0.00	2.64	0.00
		KAVYA (WGL-48684)	1993	0.60	0.60	0.00	0.60	0.00
		Warangal Vari-2 (IET 26094)	2021	0.20	0.20	0.00	0.20	0.00
		Telangana Rice-1355 (WGL1355)	2024	2.00	2.00	0.00	2.00	0.00
		Telangana Rice- 1289 (IET 29351) (WGL 1289)	2024	0.20	0.20	0.00	0.20	0.00
		Rajendranagar Vari – 28361 (RNR 28361) (IET 28416)	2024	1.20	1.20	0.00	1.20	0.00
		Sugandha Samba (RNR-2465)	2011	2.15	2.15	0.00	2.15	0.00
		RAJENDRANAGAR VARI-3 (RNR 15459)	2023	0.30	0.30	0.00	0.30	0.00
		Rajendranagar Vari-1 (RNR-11718)	2022	0.30	0.30	0.00	0.30	0.00
		RNR 15048	2021	36.37	36.37	50.00	86.37	50.00
		TELLAHAMSA	1975	0.50	0.50	0.00	0.50	0.00
		Telangana Sona (RNR- 15048) (IET23746)	2016	2.00	2.00	10.00	12.00	10.00
		RAJENDRANAGAR VARI-5 (RNR 29325)	2023	1.30	1.30	0.00	1.30	0.00
		RAJENDRANAGAR VARI-4 (RNR 21278)	2023	0.50	0.50	0.00	0.50	0.00
		Shobhini (RNR-2354) (IET- 21260)	2014	5.00	5.00	0.00	5.00	0.00
		Total		94.98	276.58	447.75	724.33	629.35
32	PRDF, Gorakhpur	Kalanamak Kiran (PRDF-2-14-10) (IET 24753)	2019	2.00	7.40	0.00	7.40	5.40
		Bauna Kalanamak-101	2016	0.30	3.20	0.00	3.20	2.90
		Total		2.30	10.60	0.00	10.60	8.30

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					Kharif 2025	Expected Rabi/ Summer	Total	
33	Rice Research Station, Bankura	BNKR-3(SAMPRIITI) IET-21987	2016	0.10	0.40	0.00	0.40	0.30
		Dhruba (BNKR-2)	2017	0.50	0.80	0.00	0.80	0.30
		BNKR-1 (Dhiren) (IET 20760)	2015	1.55	2.02	0.00	2.02	0.47
		Pushpa (IET 17509)	2015	0.10	0.12	0.00	0.12	0.02
		Total		2.25	3.34	0.00	3.34	1.09
34	Rice Research Station, Chinsurah	Gosaba-5 (Chinsurah Nona-1) (IET-23403)	2016	0.30	0.10	0.00	0.10	-0.20
		Bhupesh (IET 23324) (CN 1752-18-1-9-MLD19)	2019	0.30	0.40	0.00	0.40	0.10
		Manisha (IET-23770) (CN-2015-5-4)	2019	0.50	0.50	0.00	0.50	0.00
		Ajit (IET 22066)	2016	0.70	0.20	0.00	0.20	-0.50
		Chinsurah Nona-2 (Gosaba-6) (IET-21943)	2019	0.40	0.10	0.00	0.10	-0.30
		Rajdeep CN 1039-9	2017	0.30	0.70	0.00	0.70	0.40
		KHITISH (IET-4094)	1984	4.00	6.00	0.00	6.00	2.00
		Muktashree (IET 21845)	2019	0.30	0.30	0.00	0.30	0.00
		Sukumar (IET 21261)	2020	0.32	1.00	0.00	1.00	0.68
		KALIMPONG	1978	1.00	0.00	0.00	0.00	-1.00
		CN 1272-55-105 (IET-19886)	2018	0.10	0.90	0.00	0.90	0.80
		SABITA (IET-8970)	1987	1.20	0.90	0.00	0.90	-0.30
		SHATABDI (IET-4786)	2000	17.75	23.10	0.00	23.10	5.35
		Total		27.17	34.20	0.00	34.20	7.03
35	RPCAU, Pusa	RAJSHREE (TCA-80-4) (IET-7970)	1989	0.90	25.00	0.00	25.00	24.10
		RAJENDRA BHAGVATI	2010	0.30	6.00	0.00	6.00	5.70
		Rajendra Nilam (RAU-1484-Aer- 04) (IET 24010)	2017	15.10	106.97	0.00	106.97	91.87
		Rajendra Sweta	2007	6.50	15.00	0.00	15.00	8.50
		Rajendra Suwasini	2007	0.90	6.00	0.00	6.00	5.10
		Rajendra Mahsuri-1	2007	8.00	32.23	0.00	32.23	24.23

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		Total		31.70	191.20	0.00	191.20	159.50
36	SKUAST, Jammu	Jammu Basmati 118 (SJBR 118)	2021	10.00	10.00	0.00	10.00	0.00
		GIZA-14	1978	10.00	12.00	0.00	12.00	2.00
		Basmati 564 (IET 17269)	2015	0.05	0.05	0.00	0.05	0.00
		Total		20.05	22.05	0.00	22.05	2.00
37	SKUAST K, Srinagar	Shalimar Rice-3	2015	0.32	1.00	0.00	1.00	0.68
		Shalimar Rice-5 (SKUA-402)	2019	1.00	2.00	0.00	2.00	1.00
		Shalimar Rice-4 (SKUA-408)	2019	11.00	15.00	0.00	15.00	4.00
		Shalimar Rice-2	2015	1.00	1.50	0.00	1.50	0.50
		Shalimar Rice-7	2024	0.50	0.50	0.00	0.50	0.00
		Shalimar Rice-8	2024	0.50	0.50	0.00	0.50	0.00
		Shalimar Rice-9	2024	1.00	1.00	0.00	1.00	0.00
		Total		15.32	21.50	0.00	21.50	6.18
38	UAS, Mandya	RM-1 (IET-14083, MANGALA MANSURI)	2002	0.20	0.00	0.00	0.00	-0.20
		Thanu	2008	0.25	0.25	0.00	0.25	0.00
		SAMRUDDHI (MSN 99) Samruddhi (Mandya Source Nursery	2023	0.55	0.55	0.00	0.55	0.00
		MANDYA JYOTHI (KMP-220)	2023	0.80	0.80	0.00	0.80	0.00
		BR-2655	2006	1.25	1.25	0.00	1.25	0.00
		KMP-225	2024	0.25	0.25	0.00	0.25	0.00
		Total		3.30	3.10	0.00	3.10	-0.20
39	UAS, Dharwad	KMD-2 (ABHILASH)	1987	1.75	3.60	0.00	3.60	1.85
		INTAN	1992	1.00	2.00	0.00	2.00	1.00
		KPR-1 (IET-23077)	2016	0.25	0.00	0.00	0.00	-0.25
		MUGAD SUGANDHA-1 (IET-13549)	2002	2.00	2.00	0.00	2.00	0.00

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Sl. No.	Centre	Variety	Notification Year	Indent (q)	Production (q)			Surplus/ Deficit (q)
					Kharif 2025	Expected Rabi/ Summer	Total	
		Total		5.00	7.60	0.00	7.60	2.60
40	UBKV, Pundibari	Uttar Lakshmi (IET 24173) UBKVR-15	2020	0.40	3.00	1.20	4.20	3.80
		Uttar Sona (UBKVR -1) (IET 24171)	2019	1.40	6.00	5.50	11.50	10.10
		Uttar Sugandhi (UBKVRA-2) (IET 24616)	2022	0.10	2.50	0.00	2.50	2.40
		Uttar Samir (PUR-B-36) (IET 26453)	2022	0.10	5.00	4.30	9.30	9.20
		Uttar Ganga (PUR-B-190 (IET 28840)	2024	0.65	6.00	5.50	11.50	10.85
		Total		2.65	22.50	16.50	39.00	36.35
41	VNMKV, Parbhani	PBNR-93-1(Parbhani Avishkar)	2005	2.00	0.00	0.00	0.00	-2.00
		Total		2.00	0.00	0.00	0.00	-2.00
42	CAU, Imphal	CAU-R1 (Tamphaphou)	2018	0.00	5.10	0.00	5.10	5.10
		CAU-R2 (Tomthinphou)	2020	0.00	1.20	0.00	1.20	1.20
		CAU-R3 (Mangalphou)	2020	0.00	0.75	0.00	0.75	0.75
		CAU-R4 (Eenotphou)	2020	0.00	0.60	0.00	0.60	0.60
		CAU-R5 (Emoinu phou)	2025	0.00	5.20	0.00	5.20	5.20
		Total		0.00	12.85	0.00	12.85	12.85
		Grand Total		3490.97	9130.74	1874.95	11005.69	7514.72

VARIETY WISE BREEDER SEED PRODUCTION DURING KHARIF, 2025 (AS PER DAC INDENT)

(Quantity in Quintals)

Sl. No.	Variety	Notification Year	Indent (q)	Production (q)		Total	Surplus / Deficit (q)
				Kharif 2025	Expected Rabi / Summer		
1	AAU-TTB-Dhan-40 (Dholi)	2022	11	11	0.0	0.0	0.0
2	AAU-TTB-Dhan-42 (TTB238) (Patkai)	2023	0.3	0.3	8.0	0.0	8.0
3	AAU-TTB-Dhan-43 (TTB 1048-60-1) (Shatabdi)	2023	6	6	18.0	0.0	18.0
4	AAU-TTB-Dhan-44 (TTB 1041-204-1) (Prachur)	2023	4.3	4.3	22.0	0.0	22.0
5	ADT (R) 45 (IET-15924)	2001	4.5	4.5	0.0	6.0	6.0
6	ADT 51 (AD 09367) (IET 23617)	2018	13.5	13.5	0.0	13.5	13.5
7	ADT 53 (IET 23955)-AD 07073	2019	5.45	5.45	0.0	6.5	6.5
8	ADT 54 (AD 09493) (IET 24249)	2020	18.2	18.2	0.0	18.2	18.2
9	ADT 55	2021	1.2	1.2	0.0	1.2	1.2
10	ADT 56 (IET27920)	2022	10	10	10.0	0.0	10.0
11	ADT 58 (AD 12132)	2023	17.7	17.7	18.7	0.0	18.7
12	ADT 59 (IET-29154)	2024	9.9	9.9	0.0	9.9	9.9
13	ADT-37	1989	12.3	12.3	14.0	0.0	14.0
14	ADT-38	1989	3	3	0.0	3.0	3.0
15	ADT-39	1989	0.9	0.9	0.0	2.9	2.9
16	ADT-44	2000	0.3	0.3	0.0	0.0	0.0
17	ADTRH-1 (ADRH-4)	1999	0.5	0.5	0.0	0.0	0.0
18	Ajay		0	0	0.0	0.6	0.6
19	Ajit (IET 22066)	2016	0.7	0.7	0.2	0.0	0.2
20	Akshayadhan (IET 19367)	2008	2	2	2.0	0.0	2.0
21	Amara (MTU-1064)	2010	7.9	7.9	20.0	40.0	60.0
22	Amreng (AAU TPU Dhan 07) IET 29271		1	1	3.3	0.0	3.3
23	ANJALI (IET-16430, RR-347-166)	2002	0.6	0.6	0.6	0.0	0.6
24	ASD 21 (AS 15024)	2023	9.6	9.6	9.6	0.0	9.6
25	Badshabhog Selection 1	2016	1.82	1.82	0.0	0.0	0.0
26	Badshabhog Selection-1		1.82	1.82	24.9	0.0	24.9
27	Bahadur		8	8	9.6	0.0	9.6
28	Bahadur Sub-1	2018	11.45	11.45	12.6	0.0	12.6
29	Bapatla Mahsuri (BPT 2295) (IET 22188)	2019	2.2	2.2	3.0	0.0	3.0
30	Basmati 564 (IET 17269)	2015	0.05	0.05	0.1	0.0	0.1
31	BASMATI KASTURI (IET-8580)	1989	1.45	1.45	4.0	0.0	4.0
32	BASMATI-370	1973	72	72	20.0	0.0	20.0
33	Bastar Dhan- 1 (IET 26624)	2020	0.6	0.6	3.6	0.0	3.6
34	Bauna Kalanamak-101	2016	0.3	0.3	3.2	0.0	3.2
35	BHADRA (MO-4)	1980	1.75	1.75	0.0	1.8	1.8

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Sl. No.	Variety	Notification Year	Indent (q)	Production (q)		Total	Surplus / Deficit (q)
				Kharif 2025	Expected Rabi / Summer		
36	Bhavathi (BPT-2782) (IET 27124)	2020	0.2	0.2	0.5	0.0	0.5
37	BHEEMA/DHEERA (MTU 1140)	2017	0.6	0.6	7.5	5.0	12.5
38	Bhogavati	2007	0.4	0.4	2.0	0.0	2.0
39	Bhupesh (IET 23324) (CN 1752-18-1-9-MLD19)	2019	0.3	0.3	0.4	0.0	0.4
40	Bidhan Suruchi (IET 25701)	2019	2.1	2.1	4.0	1.0	5.0
41	BINA DHAN 10	2015	8	8	0.0	10.0	10.0
42	Bina Dhan 11	2015	27.05	27.05	0.0	28.0	28.0
43	Bina Dhan 17 GSR (SAGC7) (IET 24460)	2018	16.2	16.2	20.0	0.0	20.0
44	Birsa Vikas Dhan-111 (PY-84) (IET 19848)	2015	1	1	0.0	0.0	0.0
45	Birsa Vikas Dhan-203 (IET 19896)	2015	3	3	0.0	0.0	0.0
46	Birsa Vikas Sugandha-1 (IET 18941)	2015	8	8	0.0	0.0	0.0
47	BNKR-1 (Dhiren) (IET 20760)	2015	1.55	1.55	2.0	0.0	2.0
48	BNKR-3(SAMPRITI) IET-21987	2016	0.1	0.1	0.4	0.0	0.4
49	BPT Rice 2846 (IET 28737)	2024	0.2	0.2	0.5	0.0	0.5
50	BPT Rice 3050 (IET 29256)	2024	0.45	0.45	1.0	0.0	1.0
51	BPT-3291 (Sonamasuri)	2005	2.8	2.8	3.2	0.0	3.2
52	BR-2655	2006	1.25	1.25	1.3	0.0	1.3
53	BRRI Dhan 69 (WTR 1) (IET 24461)	2018	0.6	0.6	0.0	0.6	0.6
54	CAU-R1 (Tamphaphou)	2018	0	0	5.1	0.0	5.1
55	CAU-R2 (Tomthinphou)	2020	0	0	1.2	0.0	1.2
56	CAU-R3 (Mangalphou)	2020	0	0	0.8	0.0	0.8
57	CAU-R4 (Eenotphou)	2020	0	0	0.6	0.0	0.6
58	CAU-R5 (Emoinu phou)	2025	0	0	5.2	0.0	5.2
59	CG Barani Dhan-2 (R-RF-105, IET No. 24690)	2021	5.6	5.6	5.7	0.0	5.7
60	CG Jawaphool Trombay (RTR-31)	2021	2	2	9.3	0.0	9.3
61	CG Tejaswi Dhan (IGKV DH Rice-1)	2021	7.3	7.3	13.2	0.0	13.2
62	Chandra (IET 23409)(MTU 1153)	2016	57.62	57.62	80.0	40.0	120.0
63	Chhattisgarh Devbhog (IET 23879) (R-1656-1146-5-513-1)	2019	14.5	14.5	45.6	0.0	45.6
64	CHHATTISGARH DHAN 1919	2021	13	13	39.0	0.0	39.0
65	Chhattisgarh Madhuraj Dhaan-55	2016	2.3	2.3	15.9	0.0	15.9
66	Chhattisgarh Zinc Rice- 2 (CGZR-2) (IET 23829)	2019	0.6	0.6	9.2	0.0	9.2
67	Chhattisgarh Zinc rice-1 (CGZR-1) (IET No.23824, R-RHZ-2) (R- 1033-968-2-1)	2016	0.6	0.6	6.6	0.0	6.6
68	Chinsurah Nona-2 (Gosaba-6) (IET-21943)	2019	0.4	0.4	0.1	0.0	0.1
69	CN 1272-55-105 (IET-19886)	2018	0.1	0.1	0.9	0.0	0.9
70	Co (R)48	2009	0.5	0.5	0.0	0.0	0.0
71	CO 51	2015	26.15	26.15	0.0	27.0	27.0
72	CO 54 (CB 12588)	2021	2.4	2.4	0.0	2.4	2.4
73	CO 55 (CB 15714) 4	2022	24.9	24.9	24.9	0.0	24.9

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Sl. No.	Variety	Notification Year	Indent (q)	Production (q)		Total	Surplus / Deficit (q)
				Kharif 2025	Expected Rabi / Summer		
74	CO 56 (CB12132)	2023	15	15	0.0	18.0	18.0
75	CO 57 (IET 31924)	2024	2.1	2.1	0.0	2.1	2.1
76	CO 58 (IET-25577)	2024	1.2	1.2	0.0	1.2	1.2
77	CO(R) 50 (IET 19321) (CB 01001)	2009	3.5	3.5	4.0	0.0	4.0
78	CO52	2018	6.6	6.6	0.0	6.6	6.6
79	COTTONDORA SANNALU (MTU-1010)	2000	151.92	151.92	252.0	75.0	327.0
80	CR 1009 sub1		0	0	0.0	14.1	14.1
81	CR Dhan 103 (Pramod)	2022	1.05	1.05	0.0	0.5	0.5
82	CR Dhan 203 (Sachala IET- 2717-10-IR 84899-B-185) (IET 22731)	2015	0.5	0.5	0.0	1.3	1.3
83	CR Dhan 211 (IET 29411)	2024	0.5	0.5	0.0	3.7	3.7
84	CR Dhan 212 (IET 29424)	2024	1	1	0.0	1.2	1.2
85	CR Dhan 214 (IET 29436) (CRR 821-21-2- 1-3)	2024	0.5	0.5	0.0	0.9	0.9
86	CR Dhan 300 (CR2301-5) (IET 19816)	2014	0.3	0.3	0.9	0.0	0.9
87	CR Dhan 305 (IET 21287)	2014	0.2	0.2	0.4		0.4
88	CR Dhan 306 (IET 22084)	2019	0.6	0.6	0.5	0.0	0.5
89	CR Dhan 308 (IET 25523)	2020	0.3	0.3	0.5	0.0	0.5
90	CR Dhan 309 (IET 25345) (IR95797-CR3847-2-1-1-1-1)	2019	11.3	11.3	4.0	0.0	4.0
91	CR Dhan 310	2022	22.1	22.1	0.0	23.5	23.5
92	CR Dhan 312 (CR 3808-13) (IET 25997)	2020	0.3	0.3	4.2	0.0	4.2
93	CR Dhan 314 (IET 27263)	2022	11.05	11.05	10.2	0.0	10.2
94	CR Dhan 316 (CRR1 Gaurav-1)	2021	1.25	1.25	0.0	0.5	0.5
95	CR Dhan 321 (IET 28354)	2022	18.82	18.82	0.0	14.9	14.9
96	CR Dhan 323 (Jyotsna)	2023	0.5	0.5	0.6	0.0	0.6
97	CR Dhan 324 (Abhaya Paushtik)	2023	0.5	0.5	0.0	3.2	3.2
98	CR Dhan 326 (Panchatatva)	2023	0.55	0.55	0.0	0.2	0.2
99	CR Dhan 328	2023	0.65	0.65	0.0	1.4	1.4
100	CR Dhan 329 (IET 29236) ((CR 3580 - 3-1-1-1-1-1-2)	2023	0.5	0.5	0.0	2.3	2.3
101	CR Dhan -332 (IET-28506)	2024	0.3	0.3	0.0	1.4	1.4
102	CR Dhan- 337 (IET-29939)	2024	0.8	0.8	0.0	1.2	1.2
103	CR Dhan 408 (Chakaakhi) (IET 20265) (CR491-1590- 330-2-1)	2018	0.3	0.3	0.2	0.0	0.2
104	CR Dhan 410 (IET 24471)	2020	0.5	0.5	0.5	0.0	0.5
105	CR Dhan 411 (Swaranjali, IET 27852)	2021	1.1	1.1	1.1	0.0	1.1
106	CR Dhan 414 (IET 27051)	2022	1	1	1.0	0.0	1.0
107	CR Dhan- 416 (IET-30201)	2024	1	1	8.0	0.0	8.0
108	CR DHAN 601(IET 18558)	2011	0.6	0.6	0.0	0.5	0.5
109	CR Dhan 602 (IET 26692)	2020	0.3	0.3	0.8	0.0	0.8
110	CR DHAN 701 (IET 20852) (CRHR 32)	2012	0.02	0.02	0.6	0.9	1.5
111	CR DHAN 702 (IET 25231)	2021	0.02	0.02	0.6	1.8	2.4

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Sl. No.	Variety	Notification Year	Indent (q)	Production (q)		Total	Surplus / Deficit (q)
				Kharif 2025	Expected Rabi / Summer		
112	CR Dhan 703 (IET 25278)	2021	0.02	0.02	0.3	1.8	2.1
113	CR Dhan 704		0	0	0.0	1.0	1.0
114	CR Dhan 800 (Swarna – MAS) (CRMAS 2232- 85 (IET 20	2018	6.22	6.22	7.5	3.4	10.9
115	CR Dhan 801 (IET 25667) (IR96322-34-223-B-1-1-1-CR3955-2)	2019	9.8	9.8	12.9	0.0	12.9
116	CR Dhan 802 (SUBHAS) (IET 25673) (CR 3925-22-7)	2019	43.45	43.45	27.9	0.0	27.9
117	CR Dhan 803 (Trilochan, IET 26398)	2021	0.2	0.2	13.7	0.0	13.7
118	CR Dhan 804 (IET 28032) (CRR 751-1-7-B-B)	2024	6.2	6.2	50.0		50.0
119	CR Dhan 805 (Naveen Shakti)	2023	0.5	0.5	0.0	3.3	3.3
120	CR Dhan 806 (Varsa dhan Sub1)	2023	2.65	2.65	0.0	0.0	0.0
121	CR Dhan 807 (CR 4333- 35-2-2-1) (IET 30438)	2024	3	3	0.0	1.4	1.4
122	CR Dhan 808 (IET 28834) (CRR 809-11-1-9-B)	2024	20	20	25.0		25.0
123	CR Dhan- 810 (IET- 30409)	2024	7.35	7.35	6.0	0.0	6.0
124	CR Dhan 811	2024	2.15	2.15	0.0	0.0	0.0
125	CR Dhan 909		0	0	0.0	11.0	11.0
126	CR Dhan 911(Basudev)	2023	1	1	7.0	36.1	43.1
127	CR Dhan107 (Unnat Vandana)	2022	1.65	1.65	2.5	3.0	5.5
128	CR Dhan-108 (IET -29052)	2024	1.1	1.1	0.0	2.4	2.4
129	CR DHAN-307 (Maudamani) (CR 2599) IET 20925)	2015	11.45	11.45	0.0	13.5	13.5
130	CR DHAN-318 (IET 27803)	2021	0.4	0.4	0.5	0.0	0.5
131	CR DHAN-319	2021	0.4	0.4	0.3	0.0	0.3
132	CR DHAN-320 (IET 27914)	2021	0.4	0.4	0.3	0.0	0.3
133	CR Dhan-809 (IET- 30282)	2024	1.15	1.15	0.5	0.0	0.5
134	CR Sugandh Dhan 908 (IET 23189) (CR 2713-35)	2017	0.3	0.3	8.0	0.0	8.0
135	CR Sugandhdhan 3		0	0	0.0	3.5	3.5
136	CR-1014	1989	0.9	0.9	1.0	0.0	1.0
137	CSR 101 (CSR-389-16-22) (IET-30827)	2024	2.6	2.6	4.0	0.0	4.0
138	CSR 104 (CSR YET- 59) (IET-29354)	2024	0.28	0.28	1.5	0.0	1.5
139	CSR 105 (CSR PET- 27) (IET-30004)	2024	0.08	0.08	2.5	0.0	2.5
140	CSR 30 (88-H5-1-1-2 IET-14720, YAMANI)	2001	0.16	0.16	4.5	0.0	4.5
141	CSR 76 (IET 27070)	2021	0.9	0.9	1.5	0.0	1.5
142	DANDI (IET 14906)	2003	0.3	0.3	0.4	0.0	0.4
143	Dehangi		0.1	0.1	0.4	0.0	0.4
144	DHARITRI (IET-6272)	1989	2.5	2.5	19.1	0.0	19.1
145	Dhruba (BNKR-2)	2017	0.5	0.5	0.8	0.0	0.8
146	Disang		0	0	0.5	0.0	0.5
147	DRR Dhan 43 (IET 22080)	2015	10	10	0.0	10.0	10.0
148	DRR DHAN 44 (IET 22081)	2015	0.1	0.1	0.0	0.1	0.1

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Sl. No.	Variety	Notification Year	Indent (q)	Production (q)		Total	Surplus / Deficit (q)
				Kharif 2025	Expected Rabi / Summer		
149	DRR DHAN 45 (IET 23832) (rp 5886-HP 3-IR80463-B39-	2016	2.35	2.35	0.0	2.5	2.5
150	DRR Dhan 46 (IET 23420)	2016	0.75	0.75	0.0	0.8	0.8
151	DRR Dhan 48 (IET 24555)	2018	3.1	3.1	3.5	0.0	3.5
152	DRR Dhan 50 (IET 25671)	2018	10.7	10.7	4.0	7.0	11.0
153	DRR Dhan 51 (IET 25484)	2018	0.6	0.6	0.0	0.6	0.6
154	DRR Dhan 53 {RP-6113-Partho-BB9,(IET 27294)	2021	16.65	16.65	0.0	20.0	20.0
155	DRR Dhan 54 (IET 25653) (RP 5943-421-16-1-1-B)	2021	15	15	0.0	15.0	15.0
156	DRR DHAN 59	2021	0.1	0.1	0.1	0.0	0.1
157	DRR DHAN 60	2021	0.7	0.7	2.0	0.0	2.0
158	DRR DHAN 63 (IET 26596)	2021	0.9	0.9	0.9	0.0	0.9
159	DRR Dhan 64 (IET 28358)	2022	15.3	15.3	0.0	16.0	16.0
160	DRR Dhan 65 (IET 27641)	2022	0.1	0.1	0.1	0.0	0.1
161	DRR Dhan- 73 (IET- 30242)	2024	0.5	0.5	0.0	0.5	0.5
162	DRR Dhan- 74 (IET- 30252)	2024	0.5	0.5	0.5	0.0	0.5
163	DRR Dhan- 75 (IET-30107)	2024	3.7	3.7	5.0	0.0	5.0
164	DRR Dhan- 76 (IET-29808)	2024	2.3	2.3	0.0	3.0	3.0
165	DRR Dhan- 78 (IET- 30240)	2024	0.5	0.5	0.5	0.0	0.5
166	DRR Dhan- 79 (IET- 29859)	2024	5.5	5.5	4.5	3.0	7.5
167	Dubraj Selection -1	2016	5.3	5.3	19.5	0.0	19.5
168	ERRA MALLELU (WGL-20471)	1993	2.64	2.64	2.6	0.0	2.6
169	GAR - 1 (IET- 21276)	2013	0.3	0.3	0.4	0.0	0.4
170	GAR-13 (IET-20930)	2010	0.3	0.3	1.0	0.0	1.0
171	GAYATRI (IET-8022)	1989	1.4	1.4	24.1	0.0	24.1
172	Geetanjali (CRM-2007-1) (IET-17276)	2006	0.9	0.9	7.0	23.3	30.3
173	Gitesh (TTB 283-1-26)	2024	1.9	1.9	2.6	0.0	2.6
174	GIZA-14	1978	10	10	12.0	0.0	12.0
175	Gobinda (OR 2324-8) (IET 21009)	2018	0.02	0.02	0.0	0.0	0.0
176	GOMATI DHAN TRC-2005-1 (TRC-05-8-4-42-8-3-7) IET 21512	2018	0.25	0.25	2.5	0.0	2.5
177	Gontra Bidhan-1 (IET 17430)	2008	15.25	15.25	11.5	2.5	14.0
178	Gontra Bindhan-3 (IET 22752)	2014	6.3	6.3	8.4	2.0	10.4
179	Gosaba-5 (Chinsurah Nona-1) (IET-23403)	2016	0.3	0.3	0.1	0.0	0.1
180	GR 18 (DEVLI KOLAM)	2021	0.3	0.3	0.0	0.0	0.0
181	GR-101	1986	0.3	0.3	0.5	0.0	0.5
182	GR-12	2007	0.3	0.3	0.4	0.0	0.4
183	Gujarat Aerobic Rice 201 (GAR 201: Anand Akshat)	2024	0.3	0.3	1.0	0.0	1.0
184	Gujarat Anand Rice 14 (GAR 14) (IET 24619)	2018	2.3	2.3	3.0	0.0	3.0
185	Gujarat Anand Rice-3 (GAR-3) (NWGR-4005)	2017	0.3	0.3	0.3	0.0	0.3
186	Gujarat Rice 21 (GR 21: Vatrak)	2022	0.3	0.3	1.0	0.0	1.0

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				Kharif 2025	Expected Rabi / Summer		
187	Haccha (AAU DPU Dhan 04)	2026	1	1	1.9	0.0	1.9
188	Hasanta (OR 2328-5) (IET 21477)	2018	1.2	1.2	5.0	0.0	5.0
189	HEERA (IET-10973)	1989	0.9	0.9	0.0	0.0	0.0
190	Him Palam Dhan 3 (IET 27472) (HPR 2865)	2024	0.43	0.43	4.1	0.0	4.1
191	Him Palam Lal Dhan-1 (HPR-2795)	2018	0.7	0.7	0.2	0.0	0.2
192	HKR-127 (HKR-95-222)	2010	0.3	0.3	3.0	0.0	3.0
193	HKR-47	2005	4	4	5.0	0.0	5.0
194	HPR-1068	2006	6.87	6.87	9.0	0.0	9.0
195	HPR-2143	2006	0.8	0.8	0.8	0.0	0.8
196	HUR-105Sub-1	2025	0	0	2.5	0.0	2.5
197	HUR-1309 (Malviya Sugandh Dhan-1309) (IET 23873)	2019	0.6	0.6	0.7	0.0	0.7
198	HUR-917	2017	4.5	4.5	4.6	0.0	4.6
199	IGKVR-1 (IET 19569)	2011	37	37	43.5	0.0	43.5
200	IGRKVR-1244 (R1244-1246-1-605-1)(IET 19796)	2012	0.3	0.3	7.8	0.0	7.8
201	Improved Jeera Shankar	2018	1.25	1.25	4.6	0.0	4.6
202	Improved Lalat (CRMAS 2621-7-1)	2013	4.45	4.45	1.5	0.0	1.5
203	Improved Pusa Basmati-1 (IET - 18990) (Pusa 1460-01-32-6-7-67)	2007	0.5	0.5	0.0	0.0	0.0
204	Improved Samba Mahsuri	2008	0.3	0.3	0.0	2.0	2.0
205	Improved Tapaswini (CRMAS 2622-7-6)	2013	0.05	0.05		0.0	0.0
206	IMPROVED WHITE PONNI	1989	7.5	7.5	0.0	7.5	7.5
207	Indira Aerobic-1 (R1570-2649-1-1546-1) (IET 21686)	2015	6	6	29.1	0.0	29.1
208	INDIRA BARANI DHAN-1 (RF-17-38-70)(IET 21205)	2012	1	1	9.0	0.0	9.0
209	Indra(MTV - 1061)	2007	8.6	8.6	15.0	60.0	75.0
210	INDRAYANI (IET - 12897)	1993	16.5	16.5	100.0	0.0	100.0
211	Inglongkiri (AAUDR 9301-14-1) IET 17452 IC-559417	2017	8	8	0.2	0.0	0.2
212	INTAN	1992	1	1	2.0	0.0	2.0
213	IR 64- Sub 1 (IET 21247)	2020	14.4	14.4	12.6	0.0	12.6
214	IR-20	1978	6.6	6.6	0.0	0.0	0.0
215	IR-36	1982	3.25	3.25	18.3	0.0	18.3
216	IR-64	1991	42.15	42.15	76.5	0.0	76.5
217	IR-64 Drt I (IR 87707-44-5-B-B-B)	2015	1.35	1.35	0.0	1.5	1.5
218	IR-8	1978	0	0	0.0	0.0	0.0
219	JAGABANDHU (OR 1206-25-1)(IET-14100)	2002	0.3	0.3	2.0	0.0	2.0
220	Jagtiala Rice-1 (JGL24423) (IET 25310)	2020	7.6	7.6	0.0	110.0	110.0
221	JAGTIALA VARI 2 (JGL 28545)	2023	0.5	0.5	9.3	0.0	9.3
222	Jagtiala Vari-3 (JGL 27356 (IET 30064)	2023	2.7	2.7	11.8	18.0	29.8
223	Jammu Basmati 118 (SJBR 118)	2021	10	10	10.0	0.0	10.0

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				Kharif 2025	Expected Rabi / Summer		
224	Jaya	1978	9.3	9.3	0.0	10.0	10.0
225	JGL 18047 (Bathukamma)	2016	1.15	1.15	11.6	0.0	11.6
226	JGL-1798	2004	5	5	22.0	18.0	40.0
227	JGL-384	2004	0.1	0.1	16.0	20.0	36.0
228	JR 10	2021	92.5	92.5	210.5	0.0	210.5
229	JR 206 (IET 26079)	2019	136.75	136.75	1203.3	0.0	1203.3
230	JR 21 (JR 81-01)	2023	118.8	118.8	506.6	0.0	506.6
231	JR 767	2016	5	5	0.8	0.0	0.8
232	JR-81	2018	0.1	0.1	133.9	0.0	133.9
233	JYOTHI	1977	5.9	5.9	10.0	9.0	19.0
234	Kalachampa		0	0	0.0	9.0	9.0
235	KALACHAMPA	2015	37.65	37.65	90.0	0.0	90.0
236	Kalanamak Kiran (PRDF-2-14-10) (IET 24753)	2019	2	2	7.4	0.0	7.4
237	Kali Khasa	2004	0.25	0.25	0.3	0.0	0.3
238	KALIMPONG	1978	1	1	0.0	0.0	0.0
239	KALINGA DHAN 1203 (IET 27117)	2021	1	1	5.0	0.0	5.0
240	KALINGA DHAN 1301	2021	0.3	0.3	5.0	0.0	5.0
241	Kalinga Dhan 1401	2021	0.5	0.5	1.2	0.0	1.2
242	Kalinga Dhan-1204	2021	0.5	0.5	4.2	0.0	4.2
243	Kalinga Dhan-1205 (IET 22579)	2021	1	1	1.2	0.0	1.2
244	Kalinga Dhan-1501	2021	1.1	1.1	1.4	0.0	1.4
245	Kalinga Dhan-1502	2021	0.5	0.5	7.2	0.0	7.2
246	KANAK (BIET-1009)	1989	0.1	0.1	0.0	0.0	0.0
247	Kanaklata (TTB 103-3-1)	2017	1	1	0.0	20.0	20.0
248	Karjat 8	2017	0.2	0.2	0.2	0.0	0.2
249	Karjat 9	2017	0.2	0.2	0.2	0.0	0.2
250	KARJAT-3	1996	3	3	3.0	0.0	3.0
251	Karjat-5	2007	0.4	0.4	0.4	2.0	2.4
252	Karjat-7	2009	0.6	0.6	0.6	0.0	0.6
253	Kau Manu Rathna (HS-16)	2021	0.1	0.1	0.0	1.0	1.0
254	Kau Pournami (MO 23)	2021	2.05	2.05	0.0	2.5	2.5
255	Kau VTL 11 (Jyotsna) (KAU. BIL4)	2021	0.3	0.3	0.1	0.0	0.1
256	KAUM 42-6-3 (D1) (MO 16-UMA, IET-14758)	2002	9.35	9.35	0.0	9.4	9.4
257	KAVYA (WGL-48684)	1993	0.6	0.6	0.6	0.0	0.6
258	Keteki Joha (IET-18669)	2017	2	2	3.3	0.0	3.3
259	Ketekijoha		0	0	0.0	5.2	5.2
260	Ketekijoha (IET-18669)	2006	3.3	3.3	0.0	0.0	0.0
261	KHANDAGIRI	1994	3.15	3.15	5.9	8.1	14.0
262	KHITISH (IET-4094)	1984	4	4	6.0	0.0	6.0

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				Kharif 2025	Expected Rabi / Summer		
263	KHP-13 (Bharath) (IET 21479)	2018	0.25	0.25	1.0	0.0	1.0
264	KKL (R) 4 (IET-30697) (KR- 19011)	2024	1.4	1.4	1.4	0.0	1.4
265	KKP-5 (IET 24250)	2018	0.6	0.6	1.0	0.0	1.0
266	KMD-2 (ABHILASH)	1987	1.75	1.75	3.6	0.0	3.6
267	KMP-225	2024	0.25	0.25	0.3	0.0	0.3
268	KOTHA MALAGOLUKULU-72	1978	0.3	0.3	0.3	0.0	0.3
269	KOTHA MALAGOLUKULU-74	1978	0.3	0.3	0.3	0.0	0.3
270	KPR-1 (IET-23077)	2016	0.25	0.25	0.0	0.0	0.0
271	KRANTI (R-2022)	1982	7.7	7.7	1304.3	0.0	1304.3
272	KRISHNAVENI (MTU-2077)	1990	0.8	0.8	7.0	7.0	14.0
273	Ksheera (IET 24495) (MTU 1172)	2019	0.45	0.45	3.0	3.0	6.0
274	KUMBHAM (KTR-3)	2002	0.3	0.3	0.0	0.0	0.0
275	Kunaram Rice-1 (KNM 733) (IET 27405)	2020	0.2	0.2	10.5	25.0	35.5
276	Kunaram Sannalu (KNM 118)(IET No.23748)	2016	6.16	6.16	50.8	80.0	130.8
277	Kunaram Vari-2 (KNM 1638)	2021	7.16	7.16	82.2	100.0	182.2
278	Labanga Dhan (CR Dhan 603)	2024	0.75	0.75	0.0	0.5	0.5
279	LALAT (IET-9947)	1989	8.38	8.38	5.2	10.0	15.2
280	LUCHAI SELECTION 1	2023	0.3	0.3	0.0	0.0	0.0
281	Luit	2024	0	0	0.6	0.0	0.6
282	LUNA SUVARNA (IET 18697)	2011	0.05	0.05	2.8	0.0	2.8
283	LUNASAMPAD (IET 19470)	2011	0.35	0.35	1.0	0.0	1.0
284	LUNISREE	1992	0.6	0.6	2.5	0.0	2.5
285	MAHAMAYA	1996	108.6	108.6	216.0	0.0	216.0
286	Mahsuri	1986	0.1	0.1	0.5	0.0	0.5
287	Malaviya Basmati Dhan 10-9 (HUBR 10-9)	2013	0.3	0.3	0.4	0.0	0.4
288	Malaviya Manila Sinchit Dhan-1(MMSD-1)	2023	0	0	1.0	0.0	1.0
289	MALAVIYA SUGANDH 4-3 (HUR-4-3)	2009	0.3	0.3	0.4	0.0	0.4
290	Malviya Dhan-2 (HUR-3022)	2005	0.3	0.3	0.4	0.0	0.4
291	Malviya Sugandh Dhan- 156 (HUR156)	2023	1.2	1.2	2.1	0.0	2.1
292	Manaswini (IET 19005)	2008	0.3	0.3	0.5	0.0	0.5
293	MANDYA JYOTHI (KMP-220)	2023	0.8	0.8	0.8	0.0	0.8
294	Manisha (IET-23770) (CN-2015-5-4)	2019	0.5	0.5	0.5	0.0	0.5
295	Maruteru Mahsuri MTU 1262 (IET 27151)	2020	8.55	8.55	30.0	40.0	70.0
296	Maruteru Samba MTU 1224 (IET 26225)	2020	13.5	13.5	18.0	90.0	108.0
297	Masuri	1978	0.9	0.9	0.0	0.9	0.9
298	MCM RICE 103	2023	0.5	0.5	1.0	0.0	1.0
299	MO 21 (PRATHEEKSHA)	2010	0.2	0.2	0.0	1.0	1.0
300	MRUNALINI (OR 1898-18) IET 18649	2011	0.25	0.25	3.0	0.0	3.0
301	MTU 1075 (IET 18482)	2008	14.1	14.1	15.0	20.0	35.0

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				Kharif 2025	Expected Rabi / Summer		
302	MTU 1140 (BHEEMA)	2017	0.1	0.1	0.0	0.0	0.0
303	MTU 1156	2017	66.37	66.37	180.0	0.0	180.0
304	MTU 1223 (IET 25856)	2021	1.2	1.2	2.0	2.0	4.0
305	MTU 1280	2021	1.1	1.1	0.0	6.0	6.0
306	MTU RICE 1232 (IET 26422)	2023	0.2	0.2	15.0	0.0	15.0
307	MTU Rice 1239 (IET 26263)	2021	0.2	0.2	0.0	3.0	3.0
308	MTU Rice 1271 (IET 27416)	2024	0.55	0.55	15.0	15.0	30.0
309	MTU Rice 1273	2022	0.3	0.3	0.0	5.0	5.0
310	MTU Rice 1275 (IET 27908)	2024	0.45	0.45	2.0	5.0	7.0
311	MTU Rice 1310	2022	0.2	0.2	2.0	10.0	12.0
312	MTU RICE 1318 (IET 28527)	2023	39.47	39.47	75.0	100.0	175.0
313	MTU Rice 1321	2022	0.3	0.3	0.0	5.0	5.0
314	MTU-1121(SRI DHRUTHI)	2016	5.6	5.6	60.0	35.0	95.0
315	MTU1140 (TARANGINI)	2017	0.6	0.6	0.0	0.0	0.0
316	MTU-1210 (Maruteru Sujatha)	2020	0.35	0.35	5.0	5.0	10.0
317	MTU-5182	1993	0.5	0.5	0.0	0.0	0.0
318	MTU-7029	1985	274.21	274.21	280.0	0.0	280.0
319	MTU-9993	1995	0.5	0.5	0.0	0.0	0.0
320	MUGAD SUGANDHA-1 (IET-13549)	2002	2	2	2.0	0.0	2.0
321	Muktashree (IET 21845)	2019	0.3	0.3	0.3	0.0	0.3
322	MUKUL (CR Dhan 311) (IET 24772) (CR 2829-PLN-100)	2019	11.25	11.25	0.0	16.4	16.4
323	Nandyala Sona (NDLR 7) (IET No.23715)	2018	0.35	0.35	0.0	20.0	20.0
324	NARENDRA DHAN-359 (NDR-359)	1994	1.8	1.8	30.5	0.0	30.5
325	NARENDRA DHAN-97	1992	0.1	0.1	15.0	0.0	15.0
326	Naveen (CR-749-20-2) (IET-14461)	2006	0.75	0.75	0.0	2.0	2.0
327	NDR 2065 (IET 17476)	2011	2	2	22.8	0.0	22.8
328	NDR 9930111 (IET-19117)	2021	9.6	9.6	3.0	0.0	3.0
329	Nellore Dhanyarasi (NLR3354) (ET 26226)	2020	0.25	0.25	0.0	8.0	8.0
330	Nellore Mahsuri (NLR-34449)	2010	11.95	11.95	0.0	60.0	60.0
331	Nellore Siri (NLR 4001) (IET 25273)	2020	0.3	0.3	0.0	5.0	5.0
332	Nellore Sugandha (NLR 40054) (IET 23194)	2020	0.5	0.5	0.0	5.0	5.0
333	NLR 3041	2021	0.5	0.5	0.0	1.0	1.0
334	NLR 3354	2020	0.5	0.5	0.0	8.0	8.0
335	NLR 40024	2021	0.3	0.3	0.0	0.3	0.3
336	NLR-145	1993	0.3	0.3	0.0	3.0	3.0
337	Nua Chinikamini		0	0	0.0	19.0	19.0
338	Nua Kalajeera		0	0	0.0	12.0	12.0
339	Numali (IET 27405)	2020	11.3	11.3	0.0	0.0	0.0
340	Numali (IET 27405)	2026	2	2	5.7	0.0	5.7

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				Kharif 2025	Expected Rabi / Summer		
341	OUAT Kalinga Rice 1 (Kolab)	2023	0.5	0.5	1.6	0.0	1.6
342	OUAT Kalinga Rice 2 (Salandi)	2023	0.5	0.5	1.0	0.0	1.0
343	OUAT Kalinga Rice 5 (Nabanna)	2023	4	4	0.0	4.0	4.0
344	OUAT Kalinga Rice 6 (Bhargavi)	2023	0.5	0.5	0.8	0.0	0.8
345	OUAT Kalinga Rice 7 (Barunei)	2023	0.5	0.5	1.2	0.0	1.2
346	OUAT Kalinga Rice 8 (Surya Shree)	2023	0.5	0.5	0.0	0.0	0.0
347	Pandu Ranga (MCM 100) (IET 22611)	2019	0.3	0.3	0.5	0.0	0.5
348	Pant Dhan 18 (IET 17920) (UPRI 99-1)	2007	0.8	0.8	10.1	0.0	10.1
349	Pant Dhan 26 (UPR 3425-14-3-1)	2017	2.3	2.3	43.2	0.0	43.2
350	Pant Dhan 28 (UPR 3667-2-1-2)	2020	0.2	0.2	11.6	0.0	11.6
351	PANT SUGANDH DHAN 27	2023	0.3	0.3	3.7	0.0	3.7
352	Pardhiva (NLR - 33892)	2007	0.6	0.6	8.0	0.0	8.0
353	PARIJAT (IET-2684)	1985	2.58	2.58	0.0	2.6	2.6
354	PB-1509	2013	15.42	15.42	13.6	0.0	13.6
355	PB-1718	2017	33.83	33.83	0.0	0.0	0.0
356	PBNR-93-1(Parbhani Avishkar)	2005	2	2	0.0	0.0	0.0
357	PDKV Kisan (SKL-22-39-31-25-31-34)	2018	0.2	0.2	2.4	0.0	2.4
358	PDKV SADHANA	2023	1	1	34.2	0.0	34.2
359	PDKV Sakoli Red Rice 1	2021	0.06	0.06	0.9	0.0	0.9
360	PDKV TILAK (SYE-503-78-34-2)	2019	2.2	2.2	42.5	0.0	42.5
361	Phalguni		0	0	0.0		0.0
362	Phule Samruddhi (VDN-99-29)	2010	0.8	0.8	4.0	0.0	4.0
363	PKV HMT	2008	11.7	11.7	67.0	0.0	67.0
364	PKV Makarand	2005	2	2	7.1	0.0	7.1
365	PNR-162	1995	0.5	0.5	0.0	0.0	0.0
366	PNR-381 (IET - 9208)	1992	0.5	0.5		0.0	0.0
367	PNR-519	2000	0.5	0.5	0.0	0.0	0.0
368	POOJA (IET-12241)	1999	12.1	12.1	35.5	0.0	35.5
369	Poorna Bhog		0	0	0.0	10.0	10.0
370	PR 118	2007	1.48	1.48	20.5	0.0	20.5
371	PR 121 (RYT 3240)	2015	1.52	1.52	41.0	0.0	41.0
372	PR 122 (RYT 3129)	2015	0.86	0.86	28.8	0.0	28.8
373	PR 127 (RYT 13316)	2020	2.5	2.5	12.3	0.0	12.3
374	PR 128 (RYT 3437)	2021	1.52	1.52	42.5	0.0	42.5
375	PR 129 (RYT 3468)	2021	3.5	3.5	12.5	0.0	12.5
376	PR 130 (PRYT 3797)	2023	5.92	5.92	13.4	0.0	13.4
377	PR-113	2001	19.58	19.58	73.7	0.0	73.7
378	PR-114	2001	3.58	3.58	114.4	0.0	114.4
379	PR-126 (RYT 3379) (IET-24721)	2018	16.23	16.23	87.9	0.0	87.9

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				Kharif 2025	Expected Rabi / Summer		
380	PR-131 (RYT 3888)	2024	7.68	7.68	91.4	0.0	91.4
381	Prabhat	1978	0.9	0.9	52.0	24.0	76.0
382	Pradhan Dhan (CR 409) IET 23110 (CR 2690-2- 2-1-1-1)	2018	0.3	0.3	6.9	0.0	6.9
383	PRATIBHA (OR 2172-7) IET 21582	2018	0.2	0.2	0.2	0.0	0.2
384	Pratikshya (ORS 201-5) (IET-15191)	2006	13.7	13.7	30.0	0.0	30.0
385	Protezin (IET 25470) (R-RHZ-R-56)	2020	5	5	15.0	0.0	15.0
386	PTB-51 (AATHIRA)	2006	0.8	0.8	0.0	2.0	2.0
387	Punjab Basmati 7	2022	0.46	0.46	42.5	0.0	42.5
388	Pusa 1824 (IET-28442)	2024	6.3	6.3	19.5	0.0	19.5
389	Pusa 2090 (IET-29217)	2024	9.9	9.9	23.4	0.0	23.4
390	Pusa Basmati 1121	2008	29.53	29.53	35.6	0.0	35.6
391	Pusa Basmati 1121 (Pusa Sugandh 4)	2005	9.92	9.92	3.4	0.0	3.4
392	Pusa Basmati 1637 (IET 24570)	2016	3	3	2.5	0.0	2.5
393	Pusa Basmati 1692 (IET 26995)	2020	20.43	20.43	13.4	0.0	13.4
394	Pusa Basmati 1718 (IET 24565 Pusa 1718-14-2- 150)	2017	12.46	12.46	0.8	0.0	0.8
395	PUSA BASMATI 1847	2021	20.34	20.34	23.5	0.0	23.5
396	Pusa Basmati 1882 (IET 28788)	2022	18.6	18.6	12.9	0.0	12.9
397	PUSA BASMATI 1885	2021	17.2	17.2	5.2	0.0	5.2
398	PUSA BASMATI 1886	2021	9.74	9.74	3.5	0.0	3.5
399	PUSA BASMATI 1979	2021	6.28	6.28	2.0	0.0	2.0
400	PUSA BASMATI-1 (IET-10364)	1989	9.1	9.1	12.1	0.0	12.1
401	Pusa Basmati-1509 (Pusa 1509-03-3-9-5)	2013	1.36	1.36		0.0	0.0
402	Pusa Basmati-1985	2021	12.8	12.8	17.1	0.0	17.1
403	PUSA BASMATI-6 (IET 18005)	2010	7.02	7.02	18.7	0.0	18.7
404	Pusa CRD KN2 (Pusa1638-07-171-1-81-1-2)	2023	0.9	0.9	1.5	0.0	1.5
405	Pusa Narendra KN1 (Pusa1638-07-130-2-67-1-1)	2023	1.8	1.8	2.0	0.0	2.0
406	Pusa Samba 1850 (Pusa 1850-27) (IET 25480)	2018	2	2	35.7	0.0	35.7
407	Pusa Samba 1853 (IET 28014)	2022	2	2	11.0	0.0	11.0
408	PUSA SUGANDH-2 (IET-16310, PUSA-204-1-126)	2001	0.1	0.1	1.7	0.0	1.7
409	Pusa Sugandh-5(IET-17021)	2005	2.12	2.12	13.3	0.0	13.3
410	PUSA-44	1994	6.8	6.8	0.0	0.0	0.0
411	Pushpa (IET 17509)	2015	0.1	0.1	0.1	0.0	0.1
412	PY-4	1991	0.3	0.3	0.3	0.0	0.3
413	Rajalaxmi		0	0	0.0	0.3	0.3
414	Rajdeep CN 1039-9	2017	0.3	0.3	0.7	0.0	0.7
415	RAJENDRA BHAGVATI	2010	0.3	0.3	6.0	0.0	6.0
416	Rajendra Mahsuri-1	2007	8	8	32.2	0.0	32.2
417	Rajendra Nilam (RAU-1484-Aer- 04) (IET 24010)	2017	15.1	15.1	107.0	0.0	107.0

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				Kharif 2025	Expected Rabi / Summer		
418	Rajendra Suwasini	2007	0.9	0.9	6.0	0.0	6.0
419	Rajendra Sweta	2007	6.5	6.5	15.0	0.0	15.0
420	Rajendranagar Vari – 28361 (RNR 28361) (IET 28416)	2024	1.2	1.2	1.2	0.0	1.2
421	Rajendranagar Vari-1 (RNR-11718)	2022	0.3	0.3	0.3	0.0	0.3
422	RAJENDRANAGAR VARI-3 (RNR 15459)	2023	0.3	0.3	0.3	0.0	0.3
423	RAJENDRANAGAR VARI-4 (RNR 21278)	2023	0.5	0.5	0.5	0.0	0.5
424	RAJENDRANAGAR VARI-5 (RNR 29325)	2023	1.3	1.3	1.3	0.0	1.3
425	RAJSHREE (TCA-80-4) (IET-7970)	1989	0.9	0.9	25.0	0.0	25.0
426	Rani Dhan (IET-19148)	2009	0.4	0.4	0.6	0.0	0.6
427	RANJEET	1994	5.45	5.45	0.0	0.0	0.0
428	Ranjit	2020	11.2	11.2	36.0	0.0	36.0
429	Ranjit Sub 1	2020	8.15	8.15	22.8	0.0	22.8
430	Ranjit SUB -1	2018	14.37	14.37	0.0	0.0	0.0
431	Ratna		0	0	0.0	2.7	2.7
432	Ratnagiri -8 (RTN 28-1-5-3-2) (IET 25493)	2019	4.5	4.5	5.6	5.0	10.6
433	RATNAGIRI-1	1990	0.2	0.2	6.5	2.0	8.5
434	Ratnagiri-6 (RTN 65-1-2-2-2) (IET 25529)	2019	0.2	0.2	4.3	2.0	6.3
435	RC Manichakhao-1	2025	0.6	0.6	2.5	0.0	2.5
436	RC Maniphou 13	2018	3.1	3.1	7.6	0.0	7.6
437	RC Maniphou 15	2022	3.1	3.1	8.4	0.0	8.4
438	RC Maniphou 16	2022	3.1	3.1	8.0	0.0	8.0
439	Rice ADT 57 (AD 09219)	2022	1.8	1.8	2.0	0.0	2.0
440	Rice CR 1009 Sub1	2016	37.9	37.9	37.9	0.0	37.9
441	RICE TRY 4 (TR 05031)	2021	0.6	0.6	0.6	0.0	0.6
442	RM-1 (IET-14083, MANGALA MANSURI)	2002	0.2	0.2	0.0	0.0	0.0
443	RNR 15048	2021	36.37	36.37	36.4	50.0	86.4
444	Rongkhang (AAUDR 9312-13-1) IET 18242 IC 574472	2017	8	8	0.2	0.0	0.2
445	SABITA (IET-8970)	1987	1.2	1.2	0.9	0.0	0.9
446	Sabour Deep (RAU 3055)	2017	15	15	80.0	0.0	80.0
447	Sabour Harshit Dhan (IET 25342)	2020	10.3	10.3	37.5	0.0	37.5
448	Sabour Heera Dhan (IET-27538) (BRR 2110)	2022	0.1	0.1	35.0	0.0	35.0
449	Sabour Narendra Dhan (BRR2184)	2024	0.6	0.6	10.0	0.0	10.0
450	Sabour Pratap Dhan (BRR2152) (IET-30083)	2024	2.6	2.6	10.0	0.0	10.0
451	Sabour Sampanna Dhan (IET 25960)	2021	20.3	20.3	87.5	0.0	87.5
452	Sabour Shree (RAU 724-48-33) (IET 18878)	2015	0.4	0.4	22.5	0.0	22.5
453	Sabour Shriram Dhan (BRR210) (IET-30367)	2024	0.3	0.3	10.0	0.0	10.0
454	Sahbhagidhan (IET 19576) (IR74371-70-1-1-CRR-1)	2011	3.45	3.45	0.0	0.0	0.0
455	Sahyadri Jalmukthi (KHP14/IET- 30872)	2024	0.2	0.2	2.0	0.0	2.0

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456	Sahyadri Panchmukhi	2021	0.25	0.25	2.0	0.0	2.0
457	Sahyadri Sapthami (BMR-US-1-24-2)	2024	0.25	0.25	2.0	0.0	2.0
458	Sahyadri Siri	2024	0.25	0.25	2.0	0.0	2.0
459	Sahyadri-2 (KJTRH-3) (IET-17661)	2007	5	5	0.0	0.0	0.0
460	Sahyadri-3 (KJTRH-12) (IET-18829)	2007	5	5	0.0	0.0	0.0
461	Sahyadrikempumukthi	2022	1.25	1.25	2.0	0.0	2.0
462	Sakoli-9 (SKL-2-50-56-45-30-60)	2019	0.2	0.2	1.4	0.0	1.4
463	SAMARIDHI (R-2384)	1982	0.1	0.1	25.0	0.0	25.0
464	SAMBA MAHSURI (BPT-5204)	1989	59.05	59.05	70.0	0.0	70.0
465	Sambha Sub - 1 (IET 21248)	2015	2.7	2.7			0.0
466	Sampada (IET 19424)	2008	2.1	2.1	2.1	0.0	2.1
467	SAMRUDDHI (MSN 99) Samruddhi (Mandya Source Nursery	2023	0.55	0.55	0.6	0.0	0.6
468	SARJOO-52	1982	1	1	37.1	0.0	37.1
469	SARLA CR-260-77 (IET-10279)	2002	2.7	2.7	14.3	0.0	14.3
470	Sasya (BPT-2411) (IET 23081)	2020	0.8	0.8	1.0	0.0	1.0
471	SATYA	1988	0.9	0.9	0.0	0.9	0.9
472	SAVITRI (IET - 5897) (CR 1009)	1983	0.9	0.9	12.5	0.0	12.5
473	Shalimar Rice-2	2015	1	1	1.5	0.0	1.5
474	Shalimar Rice-3	2015	0.32	0.32	1.0	0.0	1.0
475	Shalimar Rice-4 (SKUA-408)	2019	11	11	15.0	0.0	15.0
476	Shalimar Rice-5 (SKUA-402)	2019	1	1	2.0	0.0	2.0
477	Shalimar Rice-7	2024	0.5	0.5	0.5	0.0	0.5
478	Shalimar Rice-8	2024	0.5	0.5	0.5	0.0	0.5
479	Shalimar Rice-9	2024	1	1	1.0	0.0	1.0
480	SHATABDI (IET-4786)	2000	17.75	17.75	23.1	0.0	23.1
481	Shobhini (RNR-2354) (IET- 21260)	2014	5	5	5.0	0.0	5.0
482	Shyamala	1997	3	3	9.0	0.0	9.0
483	SHYAMALA (IET-12561, R 259-WR-37-2)	1997	3	3	0.0	0.0	0.0
484	Sikkim Dhan-1 (IET 22984)	2020	0	0	0.2	0.0	0.2
485	Sikkim Dhan-2 (IET 26579)	2020	0	0	0.2	0.0	0.2
486	Sikkim Dhan-3 (IET 25539)	2020	0	0	0.0	0.0	0.0
487	Sikkim Dhan-4 (IET 26596)	2020	0	0	0.0	0.0	0.0
488	Sikkim Organic chirakey selection 1	2024	0	0	0.2	0.0	0.2
489	SITA	1978	0.01	0.01	0.0	0.0	0.0
490	SOMASILA (NLR-33358)	2000	0.8	0.8	0.0	1.0	1.0
491	SRAVANI (NLR-33359)	2001	0.3	0.3	0.0	0.3	0.3
492	SRIKAKULAM SANNALU (RGL-2537)	2000	4.3	4.3	30.0	0.0	30.0
493	Sugandha Samba (RNR-2465)	2011	2.15	2.15	2.2	0.0	2.2
494	Sugandha-4 (PB-1121)	2015	4.3	4.3	8.0	0.0	8.0

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				Kharif 2025	Expected Rabi / Summer		
495	Sukumar (IET 21261)	2020	0.32	0.32	1.0	0.0	1.0
496	SURENDRA (IET-12815)	1999	0.6	0.6	0.6	0.0	0.6
497	SWARANA-SUB 1 (CR 2539-1) IET-20266	2009	96.8	96.8	119.4	0.0	119.4
498	SWARNA (MTU-7020)	1980	3.8	3.8	10.0	0.0	10.0
499	Swarna Purvi Dhan 1	2023	0.3	0.3	2.0	0.0	2.0
500	Swarna Purvi Dhan 2	2023	0.3	0.3	3.0	0.0	3.0
501	Swarna Purvi Dhan 3 (IET 28329)	2022	15.9	15.9	25.0	0.0	25.0
502	Swarna Purvi Dhan-5 (IET- 29036)	2024	0.2	0.2	4.8	0.0	4.8
503	Swarna Shakti Dhan (IET 25640) (RCPF-22-IR84899-B-183-20-1-1-1)	2020	15.3	15.3	17.8	0.0	17.8
504	Swarna Shreya (IET 24003)	2018	5.5	5.5	9.5	0.0	9.5
505	Swarna Shusk Dhan	2023	0.9	0.9	3.0	0.0	3.0
506	Swarna Smriddhi Dhan (IET 24306)	2021	20.05	20.05	25.0	0.0	25.0
507	Swarna Sub 1 (CR 2539-1) IET -20266	2009	2	2	4.4	0.0	4.4
508	SWARNA SUKHA DHAN (IET 24692)	2021	0.3	0.3	1.0	0.0	1.0
509	SWARNA UNNAT DHAN (IET 27892)	2021	15.1	15.1	19.8	0.0	19.8
510	TARANGINI (MTU 1156)	2017	49.85	49.85	180.0	0.0	180.0
511	TARAORI BASMATI (HBC-19)	1996	1	1	1.0	0.0	1.0
512	Tarunbhog Selection-1	2016	5.3	5.3	9.3	0.0	9.3
513	Teja (BPT 2595) OET 25486)	2020	0.8	0.8	1.0	0.0	1.0
514	TEJASWANI (OR 1912-22)	2011	0.2	0.2	0.2	0.0	0.2
515	Telangana Rice- 1289 (IET 29351) (WGL 1289)	2024	0.2	0.2	0.2	0.0	0.2
516	Telangana Rice 6 (KNM 7048 (IET 28332)	2022	0.25	0.25	1.5	5.0	6.5
517	Telangana Rice 7 (KNM6 6965 (IET 28343)	2022	2.2	2.2	0.8	5.0	5.8
518	Telangana Rice 7037 (IET 28356) (KNM 7037)	2024	3.5	3.5	2.0	5.0	7.0
519	Telangana Rice-1355 (WGL1355)	2024	2	2	2.0	0.0	2.0
520	Telangana Sona (RNR- 15048) (IET23746)	2016	2	2	2.0	10.0	12.0
521	Telangana Vari 3 (IET 26125-JGL 21078)	2021	0.2	0.2	0.0	1.8	1.8
522	Telangana Vari-1 (IET 25330) (WGL-739)	2020	1.9	1.9	1.9	0.0	1.9
523	Telangana Vari-2 IET 26027(WGL 697)	2021	0.2	0.2	0.2	0.0	0.2
524	TELLAHAMSA	1975	0.5	0.5	0.5	0.0	0.5
525	Thanu	2008	0.25	0.25	0.3	0.0	0.3
526	TIKKANA (NLR-27999)	1989	0.3	0.3	0.3	0.0	0.3
527	TKM 13	2016	2.1	2.1	0.0	6.1	6.1
528	TKM 15 (TM 12077)	2022	1.2	1.2	0.0	1.5	1.5
529	TKM-9	1982	0.3	0.3	0.0	0.0	0.0
530	TM 07278	2016	0.3	0.3	0.0	0.3	0.3
531	TPS-3	1997	4.2	4.2	0.0	4.2	4.2
532	TPS-5	2015	18.5	18.5	19.0	0.0	19.0

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533	TRC 2015-5 (IET 26178) Aerobic Dhan-1	2021	0.15	0.15	1.0	1.5	2.5
534	Tripura Chikan Dhan	2018	0.15	0.15	1.0	0.0	1.0
535	Tripura Hakuchuk-2	2018	0.15	0.15	3.5	2.5	6.0
536	Trombay Chhattisgarh Dubraj Mutant-1 (TCDM-1)	2019	3	3	12.6	0.0	12.6
537	TROMBAY CHHATTISGARH SONAGATHI MUTANT (TCSM)	2021	1	1	24.7	0.0	24.7
538	TROMBAY CHHATTISGARH VISHNUBHOG MUTANT (TCVM)	2021	1	1	9.6	0.0	9.6
539	Trombay Karjat Kolam (BARCKKV 13) (IET 27000)	2020	0.2	0.2	0.2	0.0	0.2
540	TRY 3	2012	5.1	5.1	0.0	6.0	6.0
541	TRY 5 [TR 09030]	2022	0.6	0.6	0.0	1.0	1.0
542	Tunga (IET-13901)	2006	0.95	0.95	2.0	0.0	2.0
543	UDAYAGIRI (IET-12316)	1999	0.3	0.3	6.6	0.0	6.6
544	Upahar(OR 1234-12-1) (IET 17318)	2006	0.3	0.3	1.2	0.0	1.2
545	Uttar Ganga (PUR-B-190 (IET 28840)	2024	0.65	0.65	6.0	5.5	11.5
546	Uttar Lakshmi (IET 24173) UBKVR-15	2020	0.4	0.4	3.0	1.2	4.2
547	Uttar Samir (PUR-B-36) (IET 26453)	2022	0.1	0.1	5.0	4.3	9.3
548	Uttar Sona (UBKVR -1) (IET 24171)	2019	1.4	1.4	6.0	5.5	11.5
549	Uttar Sugandhi (UBKVRA-2) (IET 24616)	2022	0.1	0.1	2.5	0.0	2.5
550	Varshadhan (CRLC-899)(IET-16481)	2006	1.7	1.7	4.5	0.0	4.5
551	VGD 1 (VG 09006) (IET 24606)	2019	0.3	0.3	0.3	0.0	0.3
552	Vijetha (MTU 1001)	1997	117.9	117.9	64.0	80.0	144.0
553	VIJETHA (MTU-1001)	1997	10.35	10.35	0.0	0.0	0.0
554	VIKRAM-TCR (Vikram-Trombay Chattisgarh Rice)	2021	8	8	51.0	0.0	51.0
555	Vishnubhog Selection-1	2016	5.3	5.3	13.8	0.0	13.8
556	VL Barik Dhan (VL Dhan 89, VL 32560, IET 28895))	2024	0.6	0.6	1.0	0.0	1.0
557	VL Bosi Dhan (VL-32585) (IET- 28883)	2024	0.6	0.6	0.0	0.0	0.0
558	VL DHAN 69 (IET 26596)	2021	1.6	1.6	1.6	0.0	1.6
559	VL Dhan 70	2022	2.6	2.6	3.0	0.0	3.0
560	VL Dhan 88 (IET 25819) (VL 32224)	2021	0.6	0.6	1.0	0.0	1.0
561	Warangal Rice - 1 WGL-915 (IET 25284)	2020	0.2	0.2	0.2	0.0	0.2
562	Warangal vari 1119 (WGL 1119) (IET-27868)	2024	0.5	0.5	0.5	0.0	0.5
563	Warangal Vari-2 (IET 26094)	2021	0.2	0.2	0.2	0.0	0.2
564	WGL-1487 (Telangana Vari-8) (IET 28818)	2022	0.2	0.2	0.2	0.0	0.2
565	ZincoRice-MS (IET 25477) (R-RHZ-LI-23)	2019	0.6	0.6	11.1	0.0	11.1
		Total	3491.0	9130.7	1875.0	11005.7	7514.7

MONITORING OF AICRPR TRIALS, KHARIF 2025

The monitoring teams comprising of scientists from IIRR, CRRI and IARI visited physically to different AICRIP centres during kharif 2025. The information received from field monitoring and evaluation of AICRIP trial across different zones of India, coordinated from IIRR and zone wise proceedings of the monitoring compiled is presented below:

Multi-disciplinary teams of IIRR, CRRI and IARI for monitoring of coordinated trials and breeder seed production, kharif 2025

Zones	Crop Improvement	Crop Protection	Crop Production	Locations
Zone-I (Hills)	Dr. CN Neeraja (IIRR), Dr. Jyothi Badri (IIRR)	Dr.V. Prakasam (IIRR)	-	Khudwani, Pombay, Larnoo and Wadura Malan and Palampur
Zone II (North Western-1)	Dr. A.S. Hari Prasad, (IIRR) Dr. Prolay B (IARI)	Dr. P. Jeyakumar, (IIRR) Dr. G.S.Jasudasu, (IIRR)	Dr.Milan Kumar Lal, (CRRI)	New Delhi; Almora; Pantnagar; Chatha Nagina; Modipuram
Zone II North (Western-2)	Dr. Krishnamurthy S L, (IIRR) Dr. Ranjit, E (IARI)	Dr. K Basavaraj(IIRR)	Dr. TB Bhagchi, (CRRI)	Ludhiana, Kapurthala, Gurdaspur, Rauni, Kaul and Karnal
Zone-V (Central-1)	Dr. Ch. Suvarna Rani (IIRR), Dr. Papa Rao V, (IIRR)	Dr. Chitra Shankar (IIRR)	Dr. Akshay S. Sakhare (IIRR)	Sakoli, Sindewahi and Parbhani
Zone V Central-2	Dr. Abdul Fiyaz R, (IIRR)	Dr.A.P Padmakumari (IIRR)	Dr. Bandeppa S. (IIRR)	Jagdapur, Raipur and Ambikapur
Zone VI Western-1	Dr.Divya B.(IIRR) Dr.Kalyani,MB (IIRR) Dr. Kutubuddin, M (CRRI)	Dr. Ch. Padmavathi (IIRR)	Dr. Sanjeeva Rao D (IIRR)	Navsari, Danti, Vyara, Dabhoi, Derol and Nawagam
Zone VI Western-2	Dr. S.V. Saiprasad (IIRR) & Dr. M.S. Anantha (IIRR)	Dr.M. S. Prasad (IIRR) Dr. Srikanth Lenka (CRRI)	--	Vadagaon, Lonavala, Karjat, Panvel, Shirgaon, Radhanagari and Goa
Zone VII (Southern 1)	Dr. Suneetha Kota (IIRR) Dr. L. Behera (CRRI)	Dr.Ladhalakshmi (IIRR) Dr. Chinna Babu Naik (IIRR)	--	Vytilla, Moncompu, Pattambi, Coimbatore and Mandya
Zone VII (Southern 2)	Dr. Jyothi Badri (IIRR)	Dr. V Prakasam (IIRR) Dr. KV Raghavendra (IIRR); Dr. S.D Mohapatra (CRRI)	Dr B Sreedevi (IIRR)	Trichy, Aduthurai, Karaikal & Kurumbapet
Zone VII (Southern 3)	Dr J Aravind Kumar (IIRR)	Dr. Y. Sirdhar (IIRR)	Dr. PC Latha (IIRR)	Gangavathi, Mugad, Sirsi, Bramavara & Ponnampet
Zone VII (Southern 4)	Dr. K. Sruthi (IIRR)	Dr. G. S. Laha (IIRR) Dr. N. Somasekhara (IIRR)	Dr. B. Sreedevi (IIRR) Dr. B. Sailaja (IIRR)	Rajendranagar, Warangal, Kunaram, Jagtial and Kampasagar
Zone VII (Southern 5)	Dr. P Senguttuvelu, (IIRR)	Dr Kannan (IIRR)	Dr. Gobinath R (IIRR)	Bapatla, Maruteru Machilipatnam, , Ragolu & Naira

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Zone-I (Hills)

Team Members: Dr CN Neeraja, PS & Head Biotechnology, ICAR- IIRR
Dr. Jyothi Badri, Sr. Scientist, Plant Breeding, ICAR- IIRR
Dr.V Prakasam, Sr. Scientist, Plant Pathology, ICAR-IIRR

Centres visited: Khudwani, Pombay, Larnoo and Wadura in Jammu & Kashmir;
Malan and Palampur in Himachal Pradesh (18-09-2025 to 25-09-2025)

Khudwani (1600 MSL): Funded center of Plant Breeding, Agronomy, Pathology, and Entomology. Also conducted trials of soil science voluntarily. In breeding, medium duration, early duration and japonica trials conducted. In Agronomy, nutrient responsive trial of AVT2 entries of japonica, optimizing variety and nitrogen management for DSR in temperate ecology undertaken. At Khudwani, breeding programs on blast resistance, red rice, landraces, and rice bio fortification ongoing.

Pombay (2000 MSL), : This is a voluntary center for high altitude hills. One medium duration trial, AVT2 &1 & IVT-M (H) is conducted at this center for high elevation hills.

Larnoo (2200 MSL): Voluntary center for high altitude hills. Only early duration japonica varieties are suitable for this region due to early onset of snow fall. Two trials, AVT2 &1 & IVT-M (H) and japonica trials undertaken. Breeder seed production of local checks, SR5 and SR9 are undertaken here in addition to the maintenance of japonica germplasm collections.

Wadura (1600 MSL): Voluntary center for medium altitude hills. One medium duration trial, AVT2 &1 & IVT-M (H) is conducted. MAS breeding programs for the improvement of local/traditional varieties for blast resistance undertaken.

Malan (950MSL): Funded center for Breeding, Agronomy, Pathology and Entomology. In breeding, AVT2 &1 & IVT-M (H), AVT2 &1 & IVT-E (H), *japonica* and IHRT (E) trials; agronomy, nutrient responsive trial of AVT2 entries undertaken. Maintaining Basmati germplasm, local germplasm, red rices, japonica germplasm and CMS lines. Incidence of false smut was observed in entries, 2805, 2816; neck blast was seen in 2820, 2809 and glume discoloration in 2818 in IHRT (E) trial. Entry No. 2801 is late and not suitable for IHRT (E) trial.

Palampur (1290 MSL): AVT2 &1 & IVT-E (H) is taken up. Rice dwarf virus observed at this location resulting in stunted growth and delayed or no flowering in entries 2306 and 2307.



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Zone-II (North Western 1)

Team Members: Dr. A.S. Hari Prasad, PS & Head, Hybrid Rice, ICAR-IIRR
Dr. P. Jeyakumar, PS, Entomology, ICAR-IIRR
Dr. G.S. Jasudasu, Scientist, Plant Pathology, ICAR-IIRR
Dr. Prolay Kumar B., Sr. Scientist, Plant Breeding, ICAR-IARI
Dr. Milan Kumar Lal, Scientist, Plant Physiology, ICAR-CRRI

Centres visited: ICAR - IARI, New Delhi, Ludhiana, Kapurthala, Rauni, Kaul and Karnal (07.10.2025 to 15.10.2025)

ICAR-IARI, New Delhi: The trials viz., AVT&IVT BT; IHRT E & IHRT ME; DSR (HT) conducted as per the technical programme. Though the seeds of three trials viz., AVT 1 DSR; IVT DSR; AVT & IVT CR were sent, these trials were not conducted. At IARI, entry Nos.1801, 1803 identified to be segregating while, entry nos. 1804, 1805, and 1812, found to be with mixtures in AVT-1 BT & IVT-BT.

ICAR-VPKAS, Almora: All the allotted AVT 1 & IVT E (H); AVT 2, 1&IVT M (H); AVT 1 & IVT U (H) and AVT 1&IVT CR were conducted as per the technical programme. Entries 2409, 2411, 2414, 2422, 2428 in medium hill trials found to be segregating. In AVT 1 & IVT CR (Coloured Rice), majority of the entries are very late, Hill (Almora) location may not be suitable for conduct of this trial, and suggested this trial may be rejected/ not suitable for analysis.

GBPUAT, Pantnagar: All the ten trials viz., AVT 2&1 E TP; IVT E TP; AVT 2&1 ME; IVT ME; AVT 2&1 M; IVT M; IHRT E; IHRT ME; IHRT M; and AVT&IVT BT were conducted perfectly as per the technical programme. Moderate to High incidence of Asian Gall Midge & BPH pest observed. Entry 3602 in IVT IME, entries 3801, 3822, 3838 in IVT M; 1801, 1816 in AVT & IVT BT reported segregating at this location.

SKUAST-Jammu (Chatha): All the six trials viz., AVT 2&1 ME; IVT ME; AVT 2&1 M; IVT M; AVT 2&1 L; AVT 1&IVT CR conducted as per the technical programme. In AVT 2 & 1 L reported that majority of the entries didn't flower during the visit of monitoring team, suggested to be not suitable for this center.

SVPUA&T RRS Nagina: All the 15 trials viz., AVT 2&1 E TP; IVT E TP; AVT 2&1 ME; IVT ME; AVT 2&1 M; IVT M; AVT 2&1 L; IVT L; AVT 1 DSR; IVT DSR; AVT 1 & IVT AGT; AVT&IVT BT; IHRT E; IHRT ME and IHRT M trials were conducted as per guidelines.

Modipuram: AVT & IVT BT was monitored and trial was conducted as per the given technical programme.



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Zone-II (North Western 2)

Team Members: Dr Krishnamurthy S L, Sr. scientist Pl. Breeding, ICAR- IIRR
Dr. K Basavaraj Scientist, Plant Pathology, ICAR-IIRR
Dr. TB Bhagchi, Sr. Scientist, Plant Physiology, CRRI
Dr. Ranjit, E., Sr. Scientist, Genetics, IARI

Centres visited: Ludhiana, Kapurthala, Gurdaspur, Rauni, Kaul and Karnal (07-10-2025 to 13-10-2025)

PAU Ludhiana: 16 of the 17 trials allotted conducted as per the guidelines. NIL and GEL trials was not conducted due to late arrival of seed. Severe False smut infestation in hybrid trials where as Bakanae was more predominant in Basmati trials. DSR and aerobic trials well conducted with proper package of practices. List of entries consisting of mixtures and segregating noted down. The screening trials viz., PHS, PHSS, PHPM and all the 4 NSN apart from NSN Basmati and NSN – NRRI taken up in the greenhouse for BPH and WBPH. Eight agronomy trials conducted.

Kapurthala and Gurdaspur: Monitored IVT Bt and AVT Bt trials. Infestation of stem borer and false smut was evident. The crop stand and expression of the entries was excellent. Also visited the fields of IPM DSR in farmer field of Amarjeet singh, Birdwal village, Patiala district.

Rauni: Monitored IVT Bt and AVT Bt trials. Overall, the crop was in good condition. Severe incidence of BPH incidence among many genotypes observed.

RARS, Kaul: All the allotted trials in breeding conducted. Overall, the crop stand in good condition. In early trials, few of the entries harvested already. Lodging observed in few entries due to heavy rain during first week of October. High incidence of stem borer observed in the entomology trial. In LFST trial, suggested to augment the infestation. All allotted trials of agronomy (5) and soil science (4) conducted as per the recommendation. Herbicide tolerant trial also conducted as per specifications. In soil science, trial on zinc formulations carried out.

CSSRI, Karnal: All the allotted trials of breeding conducted as per the recommendation. Expression of genotypes in DSR and aerobic was moderate to due late sowing. Genotypic differences in microplot for salinity, sodicity was very clear and tolerant genotypes. We monitored the IVT ST, AVT-ST, ALSTVT, IVT _DSR, AVT DSR trials. In IVT-DSR, performance was good and some line performed good under DSR.

Zone-V (Central-1)

Team Members: Dr. Chitra Shankar, PS, Entomology, ICAR-IIRR
Dr. Akshay S. Sakhare, Sr. Scientist, Plant Physiology, ICAR-IIRR
Dr. Ch. Suvarna Rani, Scientist, Plant Breeding, ICAR-IIRR
Dr. Papa Rao V, Scientist, Biotechnology, ICAR-IIRR

Centres visited: Sakoli, Sindewahi and Parbhani (13.10.2025 to 16.10.2025)

Sakoli: 14 AICRIP trials viz., AVT-2 & 1 (ETP), IVT (ETP), AVT-2 & 1 (IME), IVT (IME), AVT-2 & 1 (IM), IVT (IM), AVT-2 & 1 (Late), IVT (Late), AVT-2 & 1 (MS), IVT (MS), AVT-2 & 1 (Biofort), IVT (Biofort), IHRT-Early and IHRT (MS) were conducted. Entries lodging and with segregation and good performance noted. All the trials laid out as per the AICRIP guidelines. Blast, Bacterial Leaf Blight (BLB) observed. Five entomology trials PHS, GMS, MRST, NSN 1, GMBT conducted monitored. The trials laid out as per technical programme and

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observations recorded as indicated. Gall midge incidence was low while several lines exhibited distinct damage by hoppers.

Sindewahi: A total 13 AICRIP trials viz., AVT-2 & 1 (ETP), IVT (ETP), AVT-2 & 1 (IM), IVT (IM), AVT-2 & 1 (Late), IVT (Late), AVT-2 & 1 (MS), IVT (MS), IVT (Biofort), IHRT-Early, IHRT-ME, IHRT-M and IHRT (MS) were conducted as per the AICRIP guidelines. Few entries in trials were reported to be not-germinated, as informed in the station report. Blast, Bacterial Leaf Blight, and brown planthopper were the major biotic stresses recorded at this location. Overall, the trial conduct and performance of entries are good.

Parbhani: Three trials viz., AVT-2 & 1 (Aerobic), IVT (Aerobic) and IVT-DSR conducted as per the AICRIP guidelines. Due to rainfall, the stress conditions were not fully expressed; however, all the trials were well conducted and the crop stand was good. The major disease observed at this Centre was Brown Spot.

Zone V (Central-2)

Team Members: : **Dr. AP Padmakumari**, PS & Head (Ent), PI – AICRPR, ICAR-IIRR
Dr. Abdul Fiyaz R, Sr. Scientists, Plant Breeding, ICAR-IIRR
Dr. Bandeppa, Sr. Scientist, Ag. Microbiology, ICAR-IIRR

Centres visited: Jagdalpur, Raipur, Ambikapur (28-29/10/2024) & (4/11/2024 to 7/11/2024)

Jabalpur: All 17 plant-breeding trials allotted conducted and were in excellent condition, suitable for consideration in the final data analysis. Incidence of stem borer, rice gall midge and leaf folder. Eleven Entomology trials of IIRR and two trials from CRRI (72 entries of NSN1 and 286 entries of NSN2) were allotted and conducted perfectly. Four pathology trials were taken up at this location. Leaf blast and Neck blast were the target diseases in this area. Of the entries evaluated in 23 trials, none were found resistant to leaf blast. In Chhattisgarh plains, panicle mite is a problem and it was opined that Sulphur application would mitigate the problem

Raipur: Monitored 20 varietal trials and 4 hybrid rice trials at this center. All the trials were in excellent condition. A few segregants were also observed in some entries (IVT-DSR: 5902; 5909, 5911; IVT-IM: 3801, 3809; IVT-IME: 3603; IVT-ETP: 3409, 3439; IVT-Biofort: 4639, 4617, 4627, 4623). Stem borer, leaf folder, case worm major pests of this area. 13 entomology, 02 physiology trials and 13 agronomy trials conducted as per the technical programme.

Ambikapur: Plant Breeding 8 allotted trials conducted and were in excellent condition. A few segregants were also observed in some entries (IVT-ETP: 3439; IVT-IM: 3825, 3854). Conducted seven entomology trials. Major pests of this location are gall midge, yellow Stem borer and leaf folder. All the trials conducted as per the plan. Natural incidence of gall midge was very high. Planthopper damage to the extent of hopper burn observed in some of the entries in seed production plots. Requested for Soil science and Agronomy trials.

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Zone VI (Western-1)

Team Members: Dr Divya Balakrishnan, Sr. Scientist (Plant Breeding, ICAR-IIRR)
Dr Ch Padmavathi, PS, Entomology, ICAR-IIRR
Dr D Sanjeeva Rao, Sr. Scientist, Biochemistry, ICAR-IIRR
Dr Kalyani M Barbadikar, Sr. Scientist, Biotechnology, ICAR-IIRR
Dr Kutubuddin M, Sr. Scientist, Biotechnology, ICAR-NRRI

Centres visited: Navsari, Danti, Vyara, Dabhoi, Derol and Nawagam (13.10.2025 to 17.10.2025)

Navasari: Nineteen breeding trials and four hybrid rice trials conducted as per guidelines. Moderate incidence of stem borer, leaf folder WBPH, BLB, sheath blight, and false smut observed in breeding trials. LNT trials are of 50% RDF and 100% RDF were conducted on same field with minimum spacing & small bunds. Eleven Entomology trials, 15 Agronomy, and 9 pathology conducted. The pest incidence was low in all the trials except in one early-planted local variety, wherein there was a hopper burn symptom.

Danti: AVT2&1-CSTVT, IVT-CSTVT, AVT2&1-ALISTTVT, IVT-CSTVT trials conducted as per recommendations. A high salinity stress (EC > 6.0) with spikelet sterility among entries observed. Heavy incidence of stem borer, and grain discoloration noticed. *Oryza coerctata* samples from the nearby fields.

Vyara: Ten breeding trials conducted. Excellent field phenotyping, drought screening, herbicide tolerance screening, large-scale crossing block and rainout shelter screening facility developed at this Centre. Moderate incidence of sheath mite, stem borer, BPH, BLB, and neck blast observed in few of the trials/entries, while in a few entries with leaf folder incidence noticed. Three Agronomy trials, one NRRI breeding trial (IVT-EDS) allotted and conducted.

Dabhoi: Four hybrid trials (IHRT-E, IHRT-M, IHRT-ME and IHRT-MS) carried out as per recommendations. Due to heavy rainfall and over maturity & poor maintenance, many entries in these trials lodged and completely damaged. Moderate incidence of BPH, and false smut observed in the hybrid entries, while in a few entries leaf folder incidence noticed.

Derol: Four breeding trials (AVT1-E-DS, IVT-E-DS, AVT1-Aerob, and IVT-Aerob) conducted as per recommendations but a large variation in flowering dates observed among the entries.

Nawagam: 16 allotted breeding and four hybrid rice trials conducted as per recommendations. IVT MS trial one replication vitiated due to submergence for more than 20 days. Due to heavy rainfall, many entries had lodged. In CR, AGT trials showed varying flowering with few entries in the booting stage. Several entries with mixture/ segregants / not purified landraces observed in the bio-fortification and CR trial. Plant hopper damage/ leaf folder damage caused complete loss of few entries in trials. Salinity trials conducted at Kansari Centre. 15 Agronomy trials, 9 entomology and pathology each were allotted and conducted High incidence of leaf folder in all the trials, resulting in 100% leaf folding and feeding, and natural incidence of sheath rot in the trials observed.

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Zone VI (Western)

Team Members: Dr. S V Saiprasad, PS & Head, Plant Breeding ICAR-IIRR
Dr. M. S. Prasad, PS & Head, Plant Pathology ICAR-IIRR
Dr. M.S. Anantha, Sr. Scientist, Plant Breeding, ICAR-IIRR
Dr. Srikanth Lenka, PS, Plant Pathology, ICAR-CRRI

Centres visited: Vadagaon, Lonavala, Karjat, Panvel, Shirgaon, Radhanagari and ICAR-CCARI, Goa (14.10.2025 to 18.10.2025)

Vadagaon: Voluntary Centre. Received 10 trials Viz., AVT2&1 (IME), IVT(IME), AVT2&1(Late), IVT(Late), AVT 2&1(LPT), IVT(LPT), AVT 2&1(LNT), IVT(LNT), AVT1(DSR), IVT (DSR). All the allotted trials conducted and fields are well maintained with proper labelling.

Lonavala: This Centre is hot spot for rice blast disease. Only pathology trials allotted and conducted. All scoring observations were recorded as per the instructions from ICAR IIRR.

Karjat: 20 Plant-breeding trials allotted and all the trials are conducted and well maintained. No major pests and diseases appeared. Cooperators requested to restore Tuljapur center PI AICRPR there is considerable area under Rabi rice is being cultivated in Tuljapur area as Rabi rice area is consistently increasing. Tuljapur converts Rainfed Drill rice, hence can be restored. Good work is going on development of CMS lines and 3 line hybrids. Visited the speed breeding facility developed by the center. Visited nearby farmer's field and take the feedback about the varietal requirement.

Panvel: It is a voluntary Centre for conducting coastal salinity trials. Two trials AVT 1 – CSTVT and IVT – CSTVT allotted. ***In IVT CSTVT, all the entries died due to high salinity because of entry of saline water inside the field.*** In AVT 1 CSTVT, the trial was good with clear symptoms of salinity.

Shirgaon: It is a AICRPR voluntary Centre, seven varietal trials viz., IVT(ETP), AVT2&1 (IM), IVT (IM), AVT2&1(Late), IVT(Late), AVT 2&1(MS), IVT(MS) and two hybrid trials viz., IHRT M and IHRT MS allotted, conducted as per the guidelines. Sheath blight and case worm are major biotic stresses. Ratnagiri 8 is popular due to its good grain type (MS) and cooking quality. Ratnagiri 1 suitable for Murmu/Parched rice preparations. The soils are rich in iron and iron toxicity observed in rice field.

Radhanagari: ARS Radhanagari voluntary Centre conducted the 8 trials viz., AVT 2&1(ETP),

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IVT(ETP), AVT2&1 (IME), IVT(IME), AVT 2&1(MS), IVT(MS), IHRT E and IHRT ME allotted. Indrani is popular among the farmers which is having amylose content of 17% and Long slender in grain type.

ICAR-CCARI, Goa: Two AICRPR trials viz., AVT 1 – CSTVT, IVT – CSTVT. Both the trials well-established and good in Charoo Island. However, stress level was high in AVT 1 – CSTVT and some plants in sensitive entries died. ***Level of stress in IVT CSTVT was less and no much symptoms of salinity. If yield of sensitive variety is high and on par with tolerant checks, the trial may not be considered for analysis.***



Zone VII (Southern-1)

Team Members: Dr. Suneetha Kota, PS, Plant Breeding, ICAR-IIRR
Dr. Ladhalakshmi, Sr. Scientist, Plant Pathology, ICAR-IIRR
Dr. Chinna Babu Nail, Sr. Scientist, Entomology, ICAR-IIRR
Dr. L. Behera, PS, Biotechnology, ICAR-CRRI

Centres visited: Vytilla, Moncompu, Pattambi, Coimbatore and Mandya (01.11.2025 to 06.11. 2025 & 20-11-2025 -22-11-2025).

Vytilla: AL ISTVT and CSTVT trials, AICRPR NIL trial, IRRI stage 1 and Stage 2 trials being conducted. All the allotted five trials for the kharif, 2025 conducted and general crop stand was good. Agronomic trials for nutrient response trials on selected AVT2-CSTVT rice culture conducted. In IVT-CSTVT, several entries exhibited poor plant type (5004, 5011, 5016, 5017, 5018, and 5019) and sterility even under moderate stress conditions at Vytilla.

Moncompu: Ten among 11 allotted trials conducted except the Rabi trial. The crop is at flowering to physiological maturity in different trials. Severe incidence of stem borer observed in several test entries. Trial wise best performing as well segregating entries [IVT-E-TP (Entries 3440, 3411, 3460, 3456, 3403); IVT-IME (3602); (Advanced Variety Trial - DSR (5804); AVT & IVT – CR (5605, 5609, 5610, 5612, 5613, 5615 and 5626, 5602, 5603, 5606, 5616, 5622); IVT BIOFORT (4605, 4602, 4603 4607, 4628, 4639)] recorded. All the trials were conducted as per the guidelines prescribed.

Pattambi: 15 allotted varietal trials conducted. Rabi trials is not possible as the sowing at this station begins in the month of Sept-Oct itself. It is observed during monitoring that the replications of some of the trials conducted in different plots and it is suggested to them during

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the monitoring team visit, it conduct the trials as per the guidelines prescribed. Segregating entries in different trials recorded-AVT 1 & IVT – AGT (entries 5706, 5727, and 5739); AVT 1 & IVT CR (5614, 5624, 5619, 5622, 5632, 5602, 5637, 5635, 5634, 5604, 5606, 5613, and 5609); IVT Biofort (4647, 4649, 4604, 4613, 4601, 4602, 4623). Overall, the expression on entries in different trials is moderate to good due soils problems of high iron toxicity.

Coimbatore: 18 varietal and 4 hybrid rice trials. Trials wise performance of entries as well as segregating entries recorded. IVT –ETP (3414, 3404, 3403, 3422, 3458); IVT-IME (3605, 3622, 3651, 3603, 3639); AVT2 & 1 IM (3705, 3706, 3733); IVT –IM (3705, 3733, 3706, 3816, 3834, 3856, 3852, 3803, 3815, 3836, 3840, 3843, 3844, 3846, 3849, 3854, 3863); IVT – Late (4013, 4015, 4031, 4005, 4016, 4037, 4038, 4039, 4044, 4057, 4062) in duration trials. In special trait trials -IVT –MS (4402, 4406, 4431, 4438, 4441, 4448, 4452, 4453 and 4457); IVT- Biofort (4603, 4613, 4625, 4628, 4629, 4647, 4648); IHRT ME (2920, 2928, 2925, 2930) and IHRT Medium (3009, 3010, 3001, 3028, 3018) recorded to be segregating. Severe incidence of BPH observed in hybrid rice trials and in few varietal trials. All the trials conducted as per the guidelines prescribed and excellent expression on entries in this location.

Mandya

All the 19 varietal and four hybrids trials conducted as per guidelines prescribed. ***Overall crop stand across the trials was very good. Moderate to high incidence of blast particularly neck blast observed in the AICRIP trials.*** Majority of trials except early trials (IVT E TP and AVT 2 & 1 ETP) and DSR trials are at dough stage to physiological maturity. Segregating entries in different trials-IVT-IM (3815, 3822, 3834, 3843, 3854, 3855, 3856, 3861, 3863); IVT-IME (3603, 3604, 3618, 3627, 3628, 3639, 3651); IVT-MS (4401, 4405, 4406, 4452); IVT- Aerobic (4213, 4217, 4226, 4241, 4245, 4248, 4252, 4262, 4263); IVT-Biofort (4602 & 4610, 4611, 4603, 4617, 4618, 4619, 4620, 4621, 4624, 4625, 4630, 4631, 4639, 4645, 4647) identified. IVT-LPT and AVT2 & 1 LPT trials not conducted as informed to us that the soils in their station are high in soil phosphorous content and difficult to differentiate level of phosphorous content.



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Zone VII (Southern-2)

Team Members: Dr B Sreedevi, PS, Agronomy, ICAR-IIRR
Dr. Jyothi Badri, Sr. Scientist, Plant Breeding, ICAR-IIRR
Dr. V Prakasam,, Sr. Scientist, Plant Pathology, ICAR-IIRR
Dr. KV Raghavendra, Scientist, Entomology, ICAR-IIRR
Dr. SD Mohapatra, PS & & Head, Crop Protection ICAR-CRRI

Centres visited: Trichy, Aduthurai, Karaikal & Kurumbapet (29-10-2025 (Virtual); 16-12-2025 & 20-12-2025).

Trichy:Two trials, IVT-AL&ISTVT and AVT2&1-AL&ISTVT conducted satisfactorily and adhered to the technical programme. However, majority of the entries damaged by birds. Local check, Try 3 is of late duration while most of the test entries in these trials were at grain filling to maturity. Hence, LC is not suitable for comparative performance in the promotion of entries. Minor infestations of leaf folder, stem borer and green leafhopper observed.

Aduthurai:Conduct of the trials taken up in different seasons according to suitability. Kuruvai trials at this centre were monitored virtually (28th Oct 2025). IVT-ETP, AVT1&2-ETP, IHRT-E, IVT-Wet DSR, IHRT-ME, IVT-IME, AVT1&2-IME, AVT1-DSR monitored virtually. The sowings of IM and MS trials delayed at this centre and the entries were at vegetative stage at the time of visit. In coloured rice trial, 5602 was not uniform and poor plant population in 5641 (low seedling survival due to rains). In AVT2& 1 & IVT-AGT, 5736 was not uniform. In NIL-Submergence trial, 6308, 6307, 6306 and 6301 are dwarf, early and not suitable for submergence conditions. Further, 6306 was segregating. Six AICRIP Agronomy trials conducted. Detailed records on field layout, crop growth parameters, yield attributes and weed parameters maintained as per the technical programme.

Karaikal :Although conduct of trials is without any major issues, funding is a major constraint at this centre, affecting plot size. Entries, 3620, 3636, 3658, 3602, 3652, 3616, 3613, 3619 and 3632 were segregating in IVT-IME. Poor plant population seen in 3508, 3511 and 3512. 4310 and 4303 in AVT2&1-MS, 3909 in AVT2&1-L, 4628, 4601, 4603, 4617, 4619, 4621, 4636 and 4630 in IVT-Biofort and 4016 4016 in IVT-L, were segregating. Three agronomy trials conducted.

Kurumbapet:Due to soil reclamation subsequent to previous year flood related damages, sowing extremely delayed and majority of the plant breeding trials were in nursery at the time of visit. Data from this Centre is not suitable for analysis. Further, breeder post is vacant at this Centre. Nine agronomy trials conducted including nutrient response trials.



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Zone VII (Southern-3)

Team Members: **Dr. J Aravind Kumar**, PS, Plant Breeding, ICAR-IIRR
 Dr. Y Sridhar, PS, Entomology, ICAR-IIRR
 Dr. P.C. Latha, PS, Microbiology, ICAR-IIRR

Centres visited: Gangavathi, Mugad, Sirsi, Bramavara & Ponnampet). (06-11-2025 to 13-11-2025).

Gangavathi, Mugad, Sirsi, Bramavara & Ponnampet:

Overall, the conduct of plant breeding trials was satisfactory. This zone received heavy rainfall during the kharif season which resulted in lodging damage of the crop and in some centres, re-sowing was taken up. Especially, Bramavara received more than 5000 mm of rainfall. Mixtures, segregating lines and reduced plant stand commonly observed across different centres. The team also visited seed production plots in Gangavathi, Mugad and Bramavara. Incidence of brown spot was very heavy in all the trials at Ponnampet. Further, reduced plant stand and lodging observed in Mugad.

Crop production trials conducted systematically at Gangavathi. It reported that ARS Gagavathi does not possess the ideal conditions to conduct CSTVT trial and Brahmapara suggested as a possible alternative. Among different water management treatments, visually AWD plot was better; under puddle, seeding crops was at early maturity. Crop protection trials were conducted at Gangavathi, Mugad, Bramavara and Ponnampet. Planthopper population pressure was moderate whereas, stem borer and gall midge incidence was high at Gangavathi. At Mugad, disease development was low due to delayed sowing. The gundhi bug incidence was at outbreak level at Bramavara. In disease management trial at Ponnampet the fungicide, Nativo was performing better. NSN hills experiment replanted due to wild boar damage at Ponnampet.



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Zone VII (Southern-4)

Team Members: Dr. B. Sreedevi, PS, Agronomy, ICAR-IIRR
Dr. G. S. Laha, PS, Pl. Pathology, ICAR-IIRR
Dr. N. Somasekhar, PS, Nematology, ICAR-IIRR
Dr. B. Sailaja, PS, Computer Applications, ICAR-IIRR,
Dr. K. Sruthi, Scientist, Plant Breeding, ICAR-IIRR.

Centres visited: Rajendranagar, Warangal, Kunaram, Jagtial and Kampasagar

Rudrur: Two of four allotted **breeding trials** conducted. Non-receipt of seed for AVT-2 ETP and Biofort trials. In IVT-ETP, gall midge was the major constraint, affecting ~25% of entries (with ~14% showing very high damage), followed by moderate to severe stem borer incidence. The station expressed interest in conducting DSR trials. Two pathology trials were allotted—one conducted during Kharif and the other planned for Rabi 2026. Severe bacterial blight (BB) incidence was observed in several farmers' fields in the region and also in some experimental plots at the station.

Warangal: Total 20 trials (16 varietal and 4 hybrid trials) monitored. BLB emerged as the major constraint, affecting 40–70% of entries in most of the trials, while only 20–35% remained disease-free. Lodging occurred in 10–25% of entries across trials, and off types/segregation were common, ranging from 10–30%, especially in IVT-IME, IVT-MS, and CR trials. DSR trials (AVT-2 & 1 and IVT) were sown very late due to continuous rains, and the trial is not yet properly established. Eleven of the 12 allotted entomology trials were conducted. Five agronomy trials were conducted as per the technical programme.

Kunaram: All 5 ETP/IME/NILs trials conducted as per the technical programme and showed wide variability in performance with severe pest–disease pressure. The IVT-ETP-64 trial exhibited high levels of segregation/off-types (~22%), grain discolouration (~31%), sheath blight (~19%), and moderate lodging, with a small subset (~19%) showing good performance. In IVT-IME-64, off-types (~19%), lodging (~9%), stem borer and neck blast (~14–16%). The AVT-2&1-NILs trial faced the most severe biotic stress, with very high GM infestation (~84%), minor BLB/SB incidence.

Jagtial: Four allotted trials (AVT-2 ETP, IVT-ETP-64, AVT-2-IM-17 and IVT-IM) were conducted as per the technical programme. IVT-IM showed higher segregation but still retained a sizeable proportion of acceptable entries. All seven entomology trials allotted for this Centre were conducted as per the technical program.

ARI, Rajendranagar: 14 breeding trials were monitored covering first to third-year performance of entries in IME, IM, Late, MS, Biofort, NILs, AGT, and DSR trials. IVT-IME and IVT-IM trials exhibited higher segregation, off-types, and maturity variation, though a few promising lines were identified. Late-duration trials faced challenges due to late or very-late maturity and non-flowering in some entries. Biofortified and NILs trials showed wide variability, with limited stable lines because of poor germination or irregular flowering. Six agronomy trials were conducted as per the technical programme. All the Six agronomy, 13 entomology trials and 16 Plant Pathology trials including 3 collaborative trials with Entomology and Agronomy allotted were conducted as per the technical program.

Kampasagar: Total 7 trials were monitored. In the AVT-2 ETP & IVT-ETP trial, several entries

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were severely affected by stem borer (SB), sheath rot, and false smut, poor population or no germination. The IVT-IME trial was highly variable, with SB, sheath rot, FS, blast, BLB, offtypes (5–30%), and poor populations in many entries, but a subset of lines showed promising growth and yield. The AVT & IVT-CR trial also showed segregation, variable phenology, pest/disease stress, and 5–50% offtypes.



Zone VII (Southern 5)

Team Members: **Dr Kannan PS**, Plant Pathology, ICAR- IIRR
Dr P Senguttuvelu, PS, Hybrid Rice, ICAR-IIRR
Dr. Gobinath R, Scientist, Soil Science ICAR-IIRR

Centres visited: Maruteru, Machilipatnam and Bapatla, (10-11-2025 to 12-11-2025)

Maruteru: Twenty-seven trials (23 varietal & 4 hybrid trials) were allotted. All the trials were conducted successfully. Few entries across trials were lodged owing to rains and some due to drone damage. All the trials maintained the plot size and design as instructed by ICAR-IIRR.

Machilipatnam: Two AVT- 2 & 1 CSTVT; IVT-CSTVT trials were allotted. Due to high temperature immediately after transplanting plant survival % in the trial was poor, resulting in poor crop stand.

Bapatla

Four trials were allotted and all the trials are well conducted following the technical program with proper replications. Mixtures were observed in 5101, 5109, 5104, 5121, 5131, entries in AVT 1-2 /NIL-GEL, while lodging was observed in 5601, 5602, 5615, 5622, 5631, 5636, 5637. Incidence of blast, false smut and leaf folder observed.

**Insect pest and disease reaction of entries in National Screening Nursery – 1
(NSN - 1), Kharif 2025**

AVT 2 & 1 ETP	R	MR
31436 (H)*		LB, NB, BS, SHR, GD, RTD
30637*		LB, GD, RTD
31501*		LB, NB, GD, RTD
30651 *		LB, NB, RTD
32378		LB, NB, SHR, GD, RTD
32387		LB, NB, BS, GD, RTD
CO51 (NC)		LB, NB, GD
32393	PH	LB, NB
32394		RTD
32395		NB, GD, RTD
32396		NB, GD, RTD
32399		BLB, NB, GD, RTD
32402		LB, NB, GD, RTD
PR-124		BLB, BS
32406		LB, NB, GD, RTD
32420		LB, NB, RTD
32421		LB, BLB, NB, BS, SHR
32427		LB, NB, ShB, SHR, GD, RTD
32430		NB, ShR, GD
32433		LB, NB, RTD
US 314 (HC)		LB, NB
33002 (H)		LB, NB
33006 (H)		LB, NB, GD
30676 (H) (R)		LB, BLB, NB, GD
30687		
31552 (R)		LB, NB, GD, RTD
AVT 2 & 1 IM		
29860*		LB, BLB, NB, ShR, GD, RTD
29877*		LB, GD
31478 (H)*		LB, NB, GD, RTD
31479 (H)*	BPH	LB, BLB, NB, GD, RTD
31480 (H)*		LB, BLB, NB, GD, RTD
31481 (H)*		LB, NB, GD, RTD
31618*	PH	LB, NB, ShR, GD, RTD
31633*		LB, NB, BS, ShR, GD
NDR 359 (NC)		GD, RTD
31637*		BLB, GD, RTD
31638*		LB, BLB, NB, ShR, GD, RTD
31639*		LB, NB, RTD, SB

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AVT 2 & 1 ETP	R	MR
31640*		LB, NB, BS, ShR, GD, RTD, SB
31641*		LB, NB, ShR, RTD, SB
31643*		ShR, RTD
31659*		LB, BLB, NB, ShR, GD
31700		LB, BS
Jaya (Southern) - (ZC)		GD, RTD
32492		LB, BLB, NB, ShR, GD
32501		LB, GD, RTD
32503		BLB, NB, GD, SB
32505		NB, ShR, GD, RTD
32507		NB, GD, RTD
32509		NB, GD, RTD
HR-12		GD
CO-39		GD
T(N1)		
IR-50		LB, BS
BPT5204		GD
Swarna		BLB, NB, ShR
32510		LB, NB, ShB, BS, ShR, RTD
32513		LB, BLB, NB, ShR, GD, RTD
32515		LB, NB, GD, RTD
32518		LB, BS, ShR, GD, RTD, SB
32523		LB, BLB, NB, RTD
32525		LB, NB, GD, RTD
32526		LB, BLB, NB, ShR, GD, RTD, SB
32530		LB, NB, SB
32537		LB, NB, ShR, GD
32544		LB, NB, GD, RTD
32547		LB, NB, GD
HRI 174 (HC)		LB, BLB, NB, GD, RTD
33052 (H)		LB, NB, GD, RTD
33055 (H)		LB, NB, RTD
33063 (H)	BPH	LB, BLB, NB, GD, RTD
33071 (H)		LB, NB, ShR, GD, RTD
33075 (H)		LB, BLB, NB, BS, GD
33078 (H)		LB, NB, BS, ShR, GD
33079 (H)	BPH	LB, NB, ShR, GD, RTD
AVT 2 & 1 IME		
30692*		LB, NB, BS, ShR, GD, RTD
31448 (H)*		LB, ShR, GD, RTD
31452 (H)*		LB, NB, GD, RTD
31466 (H)*		LB, NB, GD, RTD

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AVT 2 & 1 ETP	R	MR
31589*		BLB, NB, ShR, GD, RTD
31603*		NB, GD, RTD
31608*		LB, BLB, GD, RTD
Gontra Bidhan 3 (NC)		LB, NB, BS, SHR, GD, RTD
30713*		LB, BLB, GD, RTD
31456 (H) (R)		LB, NB, BS
31635		GD
32436		LB, NB, RTD
32440		LB, NB
32443		LB, NB, ShR, GD
32447		LB, NB, RTD
PR 113		LB, NB, GD, RTD
32448		LB, NB, ShR, GD
32460		LB, BLB, NB, ShR, GD
32465		LB, BLB, NB, ShR, GD, RTD
32467		LB, NB, ShR, GD, RTD
32470		NB, GD, RTD
33014 (H)		LB, NB, GD
33018 (H)		LB, GD, RTD
33020 (H)		LB, NB
33023 (H)		LB, NB, GD
HR-12		
CO-39		GD
T(N1)		BS, RTD
IR-50		
BPT5204		NB, BS
Swarna		NB, GD
33025 (H)		LB, BS, RTD
33028 (H)		LB, NB, GD, RTD
US 312 (HC)		LB, NB, GD, RTD
33038 (H)		LB, NB, GD, RTD
33046 (H)	BPH	LB, BLB, NB, RTD
33048 (H)		LB, NB, RTD
AVT 2 & 1 LATE		
31686 (H)*		LB, NB, GD, RTD
31709 (H)*		LB, NB, GD
Swarna (NC)		GD
31714 (H)*	BPH	LB, BS, RTD, SB
30882(H)*(R)		LB, ShR, RTD
32554		NB, BS, ShR, GD, RTD
Pushya-i (Southern) (ZC)		LB, NB, BS, GD
32560		NB, BS, GD, RTD

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AVT 2 & 1 ETP	R	MR
32571		NB, ShR, GD, RTD
PA 6444 (HC)		BLB, NB, GD
32576 (H)		NB, ShR, GD
32587		BLB, NB, ShR, GD
AVT 2& 1-Aerob		
30045*		LB, NB
31740*		LB
DRRH 4 (HC)		LB, NB, GD, RTD
31741*		LB, GD, RTD
31757*		LB, GD, RTD
31760*		LB, NB, GD, RTD
DRR Dhan 54 (NC)		LB, NB, GD, RTD
31765*		LB, NB, GD, RTD
31775*		LB, NB, GD, RTD
30919 (H)* (R)		LB, NB, GD, RTD
MAS946-1		LB, GD
31747		LB, NB, GD, RTD
31768		LB, NB, GD, RTD
32612		NB, GD, RTD
CR Dhan 201 (NC)		NB, GD
32617		GD, RTD
32616		LB, NB, GD, RT
32650 (H)		LB, NB, ShR, GD, RTD
32654		GD, RTD
AVT 2&1 -AL& ISTVT		
31862*		LB, GD, RTD
Inland Saline Tolerant (CSR 23)		LB, GD
32792		LB, NB, GD
32791		LB, NB, GD, RTD
31858*		LB, NB, RTD
Observational sensitive check (PR 127)		BLB, GD
32785		NB, GD
HR-12		GD
CO-39		LB, NB
T(N1)		GD
IR-50		LB, GD
BPT5204		LB, NB, GD
Swarna		NB, GD
32778		LB, GD, RTD
Early duration Saline		LB, GD, RTD

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AVT 2 & 1 ETP	R	MR
check (CSR 10)		
32780	GM	NB, BS, GD, RTD
32787		LB, GD, RTD
Alkaline Tolerant check (CSR 36)		LB, GD, RTD
32776		LB, NB, BS, GD
Saline tolerant & donor (FL 478)		LB, GD, RTD
32788		LB, GD, RTD
32783	GM	LB, GD, RTD
Sensitive check (Pusa 44)		LB, GD, RTD
AVT 2&1-CSTVT		
31878*		LB, NB, GD, RTD
31877*		LB, GD
Coastal saline Tolerant check (Buthnath)		LB, NB, GD
31067*		LB, GD
Early duration saline check (CSR 10)		LB, GD
31889 (R)		LB, RTD
32807		NB, RTD
Sensitive check (Pusa 44)		BS, GD
32821		NB, GD, RTD
32812		LB, NB, GD, RTD
32795		LB, BLB, NB, GD, RTD
Saline tolerant check (FL 478)		LB, GD, RTD
32822		NB, GD, RTD
32809		LB, NB, GD, RTD
32802		LB, GD
32806		RTD
32813		GD
Observational Sensitive check (PR 127)		BLB, NB, GD
32823		LB, BLB, NB, ShR, GD, RTD
32798		LB, NB, GD, RTD
32793		RTD
AVT 2 & 1-MS		
31494 (H)*		GD, RTD
32672		GD, RTD
Tela-ana Sona (NC-ED)		NB, GD
32675		LB, NB, GD
WGL-14 (NC--D)		NB, GD

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AVT 2 & 1 ETP	R	MR
32680		LB, BLB, NB, ShR, GD, RTD, SB
27P63 (HC)		LB, BS, GD
32685		NB, GD
32717		GD, RTD
ADT 49 (Southern) (ZC)		BLB, GD
32718		LB, NB, GD
33084 (H)		LB, BLB, GD, RTD
BPT-5204 (NC-LD & RP)		GD, RTD
HR-12		GD
CO-39		GD
T(N1)		GD
IR-50		GD
BPT5204		NB, BS, GD
Swarna		BLB, NB, ShR
32719		GD, RTD
IVT-AL& ISTVT		
32917 (H)		LB, BLB, ShR, GD
32918 (H)		LB, NB, GD, RTD
32922		GD, RTD
32924 (H)	PH	LB, NB, GD, RTD
Irrigated early dry DSR: DRRH 4 (Early Hybrid Check)		LB, NB, GD
32929 (H)		LB, GD, RTD
Irrigated medium dry DSR: DRR Dhan 70		LB, GD
Irrigated late dry DSR: CR Dhan 702(late Hybrid Check)		LB, NB, ShB, GD
32944 (H)		LB, NB, GD
Irrigated early dry DSR: Shabhagidhan		LB, GD
32945		NB, ShR, GD
Irrigated late dry DSR: DRR Dhan 50		LB, NB, GD
Irrigated medium dry DSR: DRR Dhan 55		LB, NB, GD
32954		ShR, GD
32955		LB, GD, RTD
32956		LB, NB, GD, RTD
AVT 2 & 1 -BIOFORT		
31939*		LB, BS, GD, RTD
31925*		LB, RTD

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AVT 2 & 1 ETP	R	MR
BPT 5204 (Yield Check)		GD, RTD
31927*		NB, ShR, GD, RTD
31938*		NB, GD, RTD
IR 64 (Yield Check)		LB, NB, GD
31947*		NB, GD, RTD
31961*		NB, GD, RTD
DRR Dhan 45 (Yield & micro Nutrient Check)		LB, NB, GD, RTD
32729		LB, NB, GD, RTD
32748		LB, GD
32752		NB, GD, RTD
DRR Dhan 48 (Yield & micro Nutrient Check)		GD, RTD
32754		LB, GD
32758		GD, RTD
32770		GD
Chittimuthyalu (Micro Nutrient Check)		NB, SHR, GD, RTD
32769		GD, RTD
AVT 2&1-LNT		
31990*		
31993*		NB, RTD
31994*		GD, RTD, SB
Varadhan (Positive)		LB, GD
31998*		BS, RTD
32009*		SHR, GD, RTD
Rasi (Positive)		BS, GD, RTD
32010*		RTD
29577* (R)	GM	NB, BS, GD, RTD
30261* (R)		LB, GD, RTD
Swarna (Positive)		SHR, GD
31124*		GD, RTD
32874		NB
32875		NB, GD
32878		GD, RTD
I-proved Sa-ba -ahsuri (Sensitive)		BLB, NB, GD
32883		NB, RTD
32884		NB, GD, RTD
32885		GD, RTD
32889		BS, GD, RTD
DRR Dhan 64 (Positive)		NB, GD
32890		GD, RTD

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AVT 2 & 1 ETP	R	MR
32891		GD
AVT 2&1-LPT		
31102* (R)		LB, NB, GD, RTD
31107*		LB, GD
31108* (R)		LB, NB, GD, RTD
31966*	PH, GM	GD
31968*		LB, NB, BS, GD, RTD
Swarna (Positive)		BLB, NB, GD
31969*		NB, GD, RTD
31973*		LB, NB, ShR, GD, RTD
31975*		LB, RTD
31976*		LB, GD, RTD
31979*		GD, RTD
31980*	PH	GD, RTD
Rasi (Positive)		LB
31982*		GD, RTD
31985*		NB, GD, RTD
31986*	GM	LB, GD
29546* (R)	PH	GD, RTD
Vandana (Positive Very Early Duration)		GD
Pusa 44 (RP)		GD, RTD
31972	PH	NB, ShR, GD, RTD
31981		NB, ShR, GD
32852		LB, NB, GD, RTD
32853		LB, NB, ShR, GD, RTD
32854		LB, NB, GD
Improved Samba mahsuri (Sensitive)		BLB, NB, GD
32855		NB, GD, RTD
32856		GD, RTD
32858		GD
32859		NB, GD
32860		BLB, NB, BS, RTD
32861		NB, GD
DRR Dhan 60 (Positive)		BLB, NB, GD, RTD
32862		NB, GD, RTD
32863		LB, NB, GD
32865		LB, NB, GD, RTD
32867		NB, GD, RTD
HR-12		ShR, GD
CO-39		GD, RTD

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AVT 2 & 1 ETP	R	MR
T(N1)		GD, RTD
IR-50		GD
BPT5204		NB, BS, GD
Swarna		GD
32870		NB, GD
AVT 2 & 1 & IVT-AGT		
31909*		NB, GD, RTD
32990*		LB, BLB, NB, GD
28P67 (RP)		LB, NB, BS, ShR, GD, RTD
Dubraj Sel. 1 (Quality Check)		NB, GD, RTD
31912		GD, RTD
32829		NB, GD
32843		NB, GD, RTD
32845		GD
32846		ShR, GD, RTD
32848		LB, BLB, NB, ShR, GD, RTD
Shobini (National Check)		LB, GD
33994		LB, BLB, NB, GD, RTD
SAVA 7501 (RP)		LB, NB, GD
33995	BPH	LB, BLB, NB, GD, RTD, SB
28P68 (RP)		LB, NB, GD, RTD
32980 (R)		BLB, NB, GD, RTD
DRR Dhan 53 (RP)		BLB, GD, RTD
Sugandh Samba (Southern)—Zonal Check		RTD
28664		LB, NB, GD
32025		LB, NB, GD, RTD
32896		NB, GD, RTD
AVT 2 & 1-NIL & Gel		
32964*		LB, NB, BS, GD, RTD
BPT 5204 (RP)		NB, RTD
32986		LB, BLB, NB, GD, RTD
32987		LB, BLB, NB, BS, ShR, GD, RTD, SB
CO 59 (RP)		NB, GD
32989		LB, GD, RTD
32988		LB, GD, RTD
CO 51 (RP)		NB
32984		LB, BLB, NB, GD
CARI Dhan 5 (RP)		NB, ShR, GD
33837		BLB, NB, ShR, GD, RTD
33838		BLB, NB, BS, GD, RTD

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AVT 2 & 1 ETP	R	MR
WGL 14 (RP)		NB, GD
33839		BLB, GD, RTD
33840		NB, ShB, ShR, GD, RTD
Swarna (RP)		NB, GD, RTD
32981 (R)		NB, GD, RTD
33841		NB, BS, ShR, GD
DRR Dhan 50 (RP)		LB, NB, RTD
33842		NB, GD, RTD
MTU 1010 (RP)		LB, NB, GD
32046 (R)		NB, BS, GD, RTD
Pusa 44 (RP)		NB
30952 (R)		NB, GD, RTD
32980 (R)		NB, ShB, GD
DRR Dhan 53 (RP)		BLB, NB, RTD
33843		GD, RTD
33844		GD, RTD
33845		ShR, GD, RTD
33846		BS, RTD
ASD 16 (RP)		NB
HR-12		GD
CO-39		LB, GD
T(N1)		NB
IR-50		NB
BPT5204		NB, GD
Swarna		NB, ShB, GD
Tetep		LB, NB, ShB, ShR, GD, RTD
IR-64		LB, NB, GD, RTD
DRR Dhan 62		BLB, NB, ShR, GD, RTD
DRR Dhan 63		BLB, NB, ShR, GD, RTD
ISM		NB, GD, RTD
Swarnadhan		NB, ShB, ShR, GD, RTD
CH-45		NB, RTD
Vikramarya		ShR, GD, RTD

PROGRESS REPORT
KHARIF 2025 VARIETAL
IMPROVEMENT

AICRPR

RAINFED TRIALS

ICAR-CRRI, Cuttack

SUMMARY

AICRPR- Rainfed Varietal Improvement Trials *kharif* 2025 RAINFED UPLAND ECOSYSTEM

Early Direct seeded trial

AVT-1-EDS and IVT-EDS trials were conducted with 21 and 54 test entries, respectively in rainfed early direct seeded condition.

AVT 1- E DS:

In AVT1, a total 12 entries including one hybrid and two NILs were tested in 16 locations. The hybrid was in the second year and the near isogenic lines (NILs) were in first year of testing as repeat entries. Among the purelines, one entry was in third year of testing and rest eight were in second year. The NIL entries had the national check Sahbhagidhan as their recurrent parent.

Promoter entries:

- **IET 32077 (R)** promoted to AVT-2 in Zone-VII
- **NIL entry: IET 33259 (R)** promoted to AVT-2 for Zone V, VI, VII

Promising entries: Nil

IVT- E DS: In IVT-EDS, 54 entries were evaluated in 17 locations. The following genotype were promoted to AVT-1.

Overall basis: IET 34115.

Trait verification trial for drought tolerance (AVT-1-NIL-Drought) was constituted with 6 entries and tested in 12 locations.

RAINFED LOWLAND ECOSYSTEM

During *Kharif* 2025, rainfed lowland trials were evaluated under rainfed shallow lowland (RSL), semi deep water (SDW) and deep water (DW) ecologies and also in direct seeded condition under late (IVT-R-DS-L) and medium (IVT-R-DS-M) duration group. A total of 212 test entries were evaluated along with suitable checks in five trials namely AVT1 -RSL (17 test entries), IVT - RSL (56 test entries), IVT-SDW (35 test entries), IVT-DW (8 test entries), IVT-R-DS-L (39 test entries) and IVT-R-DS-M (57 test entries).

Trait verification trial for submergence tolerance (AVT-1- NIL-Sub) was also conducted in 8 locations with 3 test entries.

Rainfed Shallow Lowland AVT 1-RSL

Out Of 17 test entries (13 inbred, 4 NIL entries) along with 4 recurrent parents and 4 checks were evaluated across 3 zones (III, IV, VII) in 13 locations. Eleven entries, including 9 inbreds and 2 NILs were in 2nd year of testing and 2 NIL entries were in 1st year of testing.

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Promising entries

IET 32175: Promising in Zones VII

IET 31237: Promising in Zones VII

NIL entry: IET 33262 (Submergence tolerant): promising for Bihar

Promotion to AVT-2-RSL:

Entries promoted to third year of testing (from AVT1-RSL to AVT2-RSL):

- Zone III: Nil
- Zone IV: IET32150 (R)
- Zone V: IET 33150, IET 33159, IET 32134(R)
- Zone VII: IET 33150, IET 33123, IET 33125, IET 33127, IET 33159, IET 32134(R)

NILs entries promoted:

- IET 32264 (BPH tolerant) **repeat in AVT-2** as NIL and RP recorded moderate tolerance
- IET 34116 (submergence tolerant) **repeat in AVT-2** in Odisha

IVT-RSL:

In IVT-RSL, 56 test entries along with 4 checks were evaluated across 14 locations. The following entries are promoted to AVT-1-RSL.

Promoted to AVT-1 RSL based on zonal basis:

- Zone IV- IET 34147

IVT-RSL-DS-L:

This trial was constituted with 39 test entries and 5 checks for 9 locations. Four entries were the 2nd year of testing and among entries of 1st year of testing, one was NIL and another one was hybrid entry.

Entries qualified for promotion from AVT-1 to AVT-2

- IET 33257 – for Zone V

NIL entry qualified for promotion to AVT-2

- IET 34271 (Herbicide tolerant)- for Zone III, IV and VII

Entries qualified for promotion to AVT-1

- Zone III – IET 34281
- Zone IV –IET 34286, IET 34303
- Zone V – Nil
- Zone VII – Nil
- Overall – Nil

IVT-RSL-DS-M:

This trial was constituted with 57 test entries including 2 hybrid entries and 5 checks in only 10 locations. Three entries were in 2nd year (AVT-1) of testing.

Entry promoted to AVT-2-R-DS-M

Nil

Entry promoted to AVT-1- R-DS-M

- Zone III – Nil
- Zone IV - IET 34222, IET 34236, IET 34249, IET 34263 and IET 34267
- Zone V - IET 34223 and IET 34262
- Zone VII- Nil
- Overall – IET 34262

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Semi Deep- and Deep-Water ecology

IVT-SDW:

A total 35 test entries (including 2 NIL entries) all were in the 1st year of testing along with 4 checks were tested over 9 locations in Zone III, IV and VII.

The following entry is promoted to the AVT-2-SDW:

➤ **Nil**

Entries promoted to AVT-1-SDW

➤ **Zone - VII : IETs 34177, 34178, 34195 and 34200**

IVT-DW:

In IVT-DW trial 8 test entries along with 3 checks were tested under the 1st year of testing in 3 locations

Promoted to AVT-1: **Nil**

AVT 2 & 1 - Early direct seeded (AVT 2 & 1 - E DS), Kharif 2025

Test Locations: 16

Test Entries: 12

Normal rainfall locations: 09 (Data considered: 08, Data not considered: 01); **Moderate drought locations:** 05; **Severe drought locations:** 02 (Data considered: 01, Data not considered: 01)

Checks included in the trial: 9

National Checks: Sahbhagidhan and Vandana

Zonal Checks: Anjali (all zones), Govind (Northern), Narendradhan97 (Eastern), Samaleshwari (Central), Varalu (Western) and Tulasi (Southern)

Hybrid check: US-314

Local checks: One in each location.

Drought sensitive checks (Recurrent parents): IR 64, Anjali

Drought tolerant NIL Checks (NILs of sensitive checks): CR Dhan 804 (NIL of IR64) and CR Dhan 808 (NIL of Anjali)

Total 12 entries including nine purelines, one hybrid and two NILs along with two national checks for all zone, one zonal check (Anjali) for all, one zone specific Zonal check for each zone, two sensitive checks (which also includes one zonal check Anjali), two drought-tolerant NILs (CR Dhan 804 and CR Dhan 808) of the sensitive checks, one hybrid check and one local check for each location were tested in AVT1-EDS of *Kharif* 2025. Among the purelines, one entry was in third year of testing and rest eight were in second year. One pureline is under repeat testing among them. The hybrid was in the second year and the near isogenic lines (NILs) were in first year of testing as repeat entries. The NIL entries have the national check Sahbhagidhan as their recurrent parent. The entries were tested in 16 locations, out of which data from two locations, RPCAU, Pusa Bihar and Derol, Gujarat were not considered for analysis due to low (<5.0%) and High CV (>40%), respectively. In remaining 14 locations, normal rainfall was recorded in 08 locations, whereas 05 locations were categorized as moderate drought affected areas and 01 location was categorized as severe drought affected area with data which is suitable for analysis.

The range of various parameters across the zones is presented in the following table.

Moderate drought			
Zones	III	VI	VII
Zonal mean (kg/ha)	1674 (IET 33108)-3243(IET 33260 (R))	830 (ZC)-2986 (IET 32087 (R))	1686 (CR Dhan 808)-4220 (32077 (R))
Exp Mean (kg/ha)	2277 (GKT)- 2357(CTK)	2158 (VYA)-2346(PBN)	2549(CBT)
CV%	10.44 (GKT)-14.96 (CTK)	10.36(PBN)-17.06(VYA)	5.16 (CBT)
DFP	76(CR Dhan 808)- 91 (IET 33100)	71 (ZC)- 89 (IET 33089)	64 (CR Dhan 808)- 93(ZC)
PH (cm)	78 (ZC)- 109 (IET 33112)	74 (CR Dhan 804)- 115(IET 33100)	69 (CR Dhan 804) 100(LC)
Pan/m ²	228 (IET 33100)- 310(IET 32100)	241(NC)- 359(ZC)	238(CR Dhan 808)- 379(IET 33108)
Locations considered	2	2	1

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Normal				
Zones	III	IV	V	VII
Zonal mean (kg/ha)	2789 (LC)- 6662(32087 (R))	3150(CR Dhan 808)- 7821(IET 33100)	2473(NC)-5555(ZC)	3125(LC)- 4358(IET 33108)
Exp Mean (kg/ha)	3871.96 (JYP)- 4343.57 (HTW)	5036.84 (ARD)	3001.27(REW) 5037.62 (JBP)	3675.54 (MGD)
CV%	11.93 (HTW)- 14.90(JYP)	13.26 (ARD)	5.32 (JBP) 18.14 (RPR)	7.91 (MGD)
DFF	72 (ZC)- 96 (33119)	76 (CR Dhan 808)- 87 (LC)	68 (ZC)- 91 (IET 33119)	58 (CR Dhan 808 & NC) 103 (ZC)
PH (cm)	85 (IET 33119)- 115 (IET 33089)	68 (IET 33089)- 136 (IET 33100)	78 (CR Dhan 804)- 233 (NC & RP)	57 (CR Dhan 804)- 87 (ZC)
Pan/m ²	173 (ZC)- 303(IET 33119)	390(IET 33102)- 810 (IET 33104)	148 (NC)- 205(IET 33108)	203 (IET 33119) 356 (HC)
Locations considered	2	1	4	1

Severe drought	
Zones	III
Zonal mean (kg/ha)	88 (CR Dhan 804) 2313 (IET 33260 (R))
Exp Mean (kg/ha)	1156.46 (HZB)
CV%	16.11 (HZB)
DFF	64 (NC)- 87(IET 33100)
PH (cm)	61(CR Dhan 804)- 100(NC)
Pan/m ²	83 (IET 33102)- 206 (NC & RP)
Locations considered	1

General information on drought spell in different locations AVT 1 & 2- E DS, Kharif, 2025

Sl. No	Location	Experimental Grain Yield (Kg/ha)	Dry Spell	Drought Situation
Zone-III				
1.	Jeypore	3872	No dry spell	Normal rainfall
2.	Cuttack	2357	Three Dry spells	Moderate drought
3.	Pusa	4044	Three Dry spells	Normal rainfall
4.	Hathwara	4344	One dry spell	Normal
5.	Hazaribagh	1156	One dry spell during reproductive stage	Severe drought
6.	Garhkhatanga	2277	No dry spell	Moderate drought
Zone-IV				
7.	Arundhutinagar	5037	No dry spell	Normal rainfall
Zone-V				
8.	Jabalpur	5038	Three Dry spells	Normal rainfall
9.	Rewa	3001	Two Dry spells	Normal
10.	Jagadapur	4046	No dry spell	Normal rainfall
11.	Raipur	3132.35	No dry spell	Normal rainfall

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Sl. No	Location	Experimental Grain Yield (Kg/ha)	Dry Spell	Drought Situation
Zone-VI				
12.	Parbhani	2346	3 dry spells	Moderate drought
13.	Derol	1165	One dry spell	Severe drought
14.	Vyara	2158	-	Moderate drought
Zone-VII				
15.	Coimbatore	2549	-	Moderate drought
16.	Mugad	3676	No dry spell	Normal rainfall

Performance of entry in 3rd year of testing: The genotype IET 32100 didn't show superior yield over best varietal check (BVC) at any zone for drought situations and hence not considered further for identification as a promising genotype. Under normal rainfall, it showed at-par performance in Zone-II and Zone-VII, whereas it was inferior at Zone-IV and Zone-V and overall basis. Under moderate drought, it showed at-par performance in all the zones as compared to BVC. Under severe drought, it showed inferior performance compared to BVC.

Performance of entries in 2nd year of testing: Out of eight lines in second year of testing, five genotypes didn't show superior performance under drought situations at any zone. IET 32077 showed at-par performance under normal rainfall in Zone-III, IV and superior performance in Zone-VII. Under moderate drought, it showed superior performance Zone-VII and overall basis, but at-par in Zone-III. There was no moderate drought location in Zone-IV. Its grain quality parameters also met the required standards. Hence the genotype was considered for promotion in IV and VII. One entry IET 33100 showed superior performance under moderate drought in Zone-VII and at-par performance under normal rainfall. However, due to low HRR, it was not considered for promotion.

Performance of hybrid entry in 2nd year of testing:

The only hybrid entry IET 32087 showed superior yield performance over the hybrid check (US-314) at all zones. Moreover, the genotype showed superior yield performance at Zone-III, Zone-VII and overall basis under normal rainfall compared with best varietal check. Under moderate drought, it showed superior performance in Zone-VI and VII. However, due to low HRR in all the three testings carried out in two laboratories (range 43.60-48.0), the genotype was not considered for further promotion.

Performance of entries under severe drought: Only the entry IET 33260 showed inferior performance compared to the best check Sahbhagidhan under severe drought. All the other entries showed significantly inferior performance under severe drought.

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Performance of the entries in AVT 2&1-E DS trial during Kharif, 2025 for grain yield across zones, different drought regimes and grain quality parameters

Entry No	IET No.	Normal Rainfall					Moderate Drought			Severe Drought Zone III/ Overall	Major Quality Parameters	Remarks
		Zone III	Zone IV	Zone V	Zone VII	Overall	Zone III	Zone VI	Zone VII			
Entry in 3 rd Year of Testing												
102	32100	4727 [#]	5232 ^{\$}	3872 ^{\$}	3815 [#]	4205 ^{\$}	2888 [#]	2594 [#]	2860 [#]	2765 [#]	1304 ^{\$}	HRR(%): 41.64-52.0 Amylose(%): 16.83 Not promising for any zone
Entries in 2 nd Year of Testing												
104	33089	3126 ^{\$}	3611 ^{\$}	4438 ^{\$}	3560 [#]	3903 ^{\$}	2569 [#]	2694 [#]	1792 ^{\$}	2465 [#]	1729 ^{\$}	HRR(%): 47.81-50.4 Amylose(%): 20.10 Dropped due to lack of yield superiority over BVC in any zone
105	33108	3242 ^{\$}	4458 ^{\$}	3835 ^{\$}	4358 [#]	3795 ^{\$}	1674 ^{\$}	2864 [#]	2541 ^{\$}	2324 ^{\$}	1213 ^{\$}	HRR(%): 45.19-53.24 Amylose(%): 22.80 Dropped due to lack of yield superiority over BVC in any zone
107	33112	4211 ^{\$}	3984 ^{\$}	3862 ^{\$}	4073 [#]	3995 ^{\$}	2506 [#]	2021 ^{\$}	2279 ^{\$}	2267 ^{\$}	1413 ^{\$}	HRR(%): 41.51-55.1 Amylose(%): 24.60 Dropped due to lack of yield superiority in any zone
109	33104	4636 [#]	7045 [#]	4103 ^{\$}	3282 ^{\$}	4382 [#]	2387 [#]	-	2036 ^{\$}	2370 ^{\$}	-	HRR(%): 36.3-46.75; Amylose(%): 24.82 Dropped due to lack of yield superiority over BVC in any zone
110	33119	4357 ^{\$}	4303 ^{\$}	3131 ^{\$}	3395 [#]	3530 ^{\$}	1897 ^{\$}	2519 [#]	1994 ^{\$}	1945 ^{\$}	363 ^{\$}	HRR(%): 40.30-56.8; Amylose(%): 23.28 Dropped due to lack of yield superiority over BVC in any zone
113	33100	4086 ^{\$}	7821 [#]	5345 [#]	3792 [#]	5010 [*]	1968 ^{\$}	2438 [#]	4040 [*]	2570 [#]	196 ^{\$}	HRR(%): 40.45-51.60; Amylose(%): 23.50 Superior yield for Zone-VII Dropped due to low HRR
116	32077 (R)	4690 [#]	7447 [#]	4362 ^{\$}	4213 [*]	4691 [#]	2429 [#]	2805 [#]	4220 [*]	2938 [*]	433 ^{\$}	HRR(%): 48.59-58.6; Amylose(%): 24.60 Promoted for Zone- VII
117	33102	3544 ^{\$}	3974 ^{\$}	4365 ^{\$}	3315 ^{\$}	3978 ^{\$}	2288 [#]	2231 ^{\$}	2737 ^{\$}	2355 ^{\$}	138 ^{\$}	HRR(%): 35.21-52.0; Amylose(%): 25.30 Discontinued
Hybrid Entry in 2 nd Year of Testing												
114	32087 (R)	6662 [*]	4347 ^{\$}	4805 ^{\$}	4313 [*]	5185 [*]	2272 [#]	2986 [*]	3381 [*]	2780 [#]	1025 ^{\$}	HRR(%): 43.60-48.0; Amylose(%): 22.40 Discontinued (Superior yield for Zone-VI and VII, Low HRR)

*Significantly higher than Best Varietal Check (BVC); [#] At-par with Best Varietal Check (BVC); ^{\$}Significantly inferior than Best Varietal Check (BVC).

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Performance of IET 32100 over three years

Situations	Performance of IET 32100 over three years			
	IVT (2023)	AVT 1&2 (2024)	AVT 1&2 (2025)	Remarks
Normal rainfall	At-par (Zone V)	At-par (Zone III, V, VII)	At-par (Zone-III and VII)	Not promising for any zone as doesn't meet the minimum criteria of superior performance under moderate drought in a single zone for at least two years.
Moderate drought	Not-superior	Superior (Zone III and overall) Zone V: No data	At-par (Zone-III, VI and VII)	
Severe drought	Superior (Zone V)	Zone VI (Inferior to BVC-local check)	Inferior (Zone III)	
Remarks	Promoted as IVT (B)	Promoted to AVT2 for Zone- III and Zone- V	Not superior at any zone	

Performance of NIL entries: Two entries, IET 33259 and IET 33260 are near isogenic lines of popular variety Sahbhagidhan introgressed with *Pi9* gene. Compared to recurrent parent, the genotype IET 33260 showed superior yield performance under both moderate and severe drought in Zone-III. It also showed superior performance under moderate drought at Zone-VII and overall basis, and at-par performance under normal rainfall in Zone-V and under moderate rainfall in Zone-VI. It showed better resistance reaction to blast disease compared to recurrent parent. However, it showed low HRR value. Another entry IET 33259 showed superior performance under moderate drought in Zone-VII and at-par performance in Zone-III, VI and overall basis. In Zone-V, it showed at-par performance under normal rainfall, besides Zone-VII. It also showed better resistance reaction to blast disease compared to recurrent parent. Grain quality was at-par with the recurrent parent. Based on overall performance, IET 33259 is considered for promotion in Zone V, VI and VII. All these zones are area of adaptation of recurrent parent Sahbhagidhan as per breeder seed indent.

Performance of the NIL entries in AVT 1 & 2- EDS trial during *Kharif*, 2025 for grain yield across zones, drought regimes, blast disease reactions and grain quality parameters

Entry No	IET No	Normal Rainfall					Moderate drought				Severe drought Zone III/ Overall	Blast score				Quality	Remarks
		Zone III	Zone IV	Zone V	Zone VII	Overall	Zone III	Zone VI	Zone VII	Overall		PON	JAG	CBT	HZB	Mean	
115	Sabbhagidhan (Recurrent Parent)	5016	7153	3739	3560	4332	2546	2534	1843	2401	1992	2.0	4.0	7.0	5.0	4.5	L/B: 2.65; HRR (%): 46.40-59.1; Amylose (%): 24.75;
118	33259 (R)	3919 _s	5474 ^s	3831 _#	3412 _#	3941 ^s	2579	2285 _#	2110 [*]	2367 _#	2208 [#]	3.0	4.0	5.0	3.0	3.8	L/B: 2.85; HRR (%): 47.39-57.5; Amylose (%): 22.40; Promoted for Zone V, VI and VII
120	33260 (R)	3553 _s	5711 ^s	3675 _#	3869 _#	3833 ^s	3243 [*]	2272 _#	2824 [*]	2771 _#	2313 [*]	2.0	3.0	6.0	3.0	3.5	L/B: 2.89; HRR (%): 48.20-49.6; Amylose (%): 22.50; Discontinued due to low HRR

*Significantly higher than Best Varietal Check (BVC); [#]At-par with Best Varietal Check (BVC); ^sSignificantly inferior than Best Varietal Check (BVC).

PON: Ponnampet; JAG: Jagdalpur; CBT: Coimbatore; HZB: Hazaribagh

Table 1.1: Composition of entries in AVT 2&1-Early direct seeded (AVT 2&1-E DS), Kharif 2025

Entry No	IET no	Designation	Cross combination	Grain type
3rd year of testing:				
101	ZC Govind (Northern), Narendradhan97 (Eastern), Samaleshwari (Central), Varalu (Western) and Tulasi (Southern)			
102	32100	RCPR 104-IR 16L1499	IR09L303*2/BENONG 130	LS
2nd year of testing				
103	Anjali (ZC for all zone)			
104	33089	HTW99-IR08L181	IR 55423-01(NSIC RC 9)/IRRI 148	MB
105	33108	KAVERI7119	KR22SA083/KR20SR054	LB
106	US-314 (Hybrid Check)			
107	33112	BKR-585 IR16D1002	HC 4967	LS
108	CR Dhan 804			
109	33104	R-RF-202	R-RF-140 / R-RF-156	MB
110	33119	ORJ 1304	Swarna/IRGC 27502//MTU 1081	MB
111	CR Dhan 808			
112	Vandana(NC)			
113	33100	CR 3844-38-2-2-3-1	Guntabhidhan / Pyari	MS
114	32087 (R)	ADV/RH200057	Hybrid	LS
115	Shabhagidhan (NC & RP)			
116	32077 (R)	R-RF-213	Selection from IR 17L1454	MB
117	33102	NVSR 3987	NVSR 2528 / NVSR 2179	LB
NIL 1st year of testing				
118	33259 (R)	CRR 840-3	Sahbhagidhan*4/ IRBL-9W	LB
119	IR 64 (Sensitive check)			
120	33260 (R)	CRR 840-4	Sahbhagidhan*4/IRBL-9W	LB
121	Local Check			

Table 1.2.1: Grain Yield (Kg/ha) of entries in AVT-2&1-EDS Kharif 2025 under moderate drought

Entry No	IET No	Moderate drought												Overall (moderate) (5)	
		Zone III			Zone VI			Zone VI (2)		Zone VII					
		Odisha	Jharkhand		Maharashtra	Gujarat		Mean	Coimbatore		Mean				
		Cuttack	Garhkhataंगा		Parbani	Vayara									
101	Zonal Check	1676	1822		1749		2644	8	1830		2237	2974	6	2189	
102	32100	2357	3420	2	2888	2	2889	5	2300	9	2594	6	2860	7	2765
103	Anjali (ZC for all zone)	2653	1611		2132		911		748		830		2004		1586
104	33089	2975	2429	6	2569	4	2667	7	2721	4	2694	4	1792		2465
105	33108	1753	1596		1674		3133	1	2594	6	2864	2	2541	10	2324
106	US-314 (Hybrid Check)	2223	1824		2024		2567	10	2439	7	2503	9	3130	4	2437
107	33112	2637	2376	8	2506	6	2178		1865		2021		2279		2267
108	CR Dhan 804	2397	1878	10	2137		2089		2596	5	2342		2053		2202
109	33104	1897			2387	8							2036		2370
110	33119		2491	5	1897		2622	9	2416	8	2519	8	1994		1945
111	CR Dhan 808	3050	1782		2202		1133		2105		1619		1686		1851
112	Vandana(NC)	2643	2022	7	2333	9	844		1189		1017		2099		1760
113	33100	2303	1633		1968		2911	4	1964		2438	10	4040	2*	2570
114	32087 (R)	2280	2264	10	2272		3133	1	2839	2	2986	1*	3381	3*	2780
115	Shahagidhan (NC & RP)	1810	3282	3	2546	5	3044	3	2023		2534	7	1843		2401
116	32077 (R)	2447	2411	7	2429	7	2889	5	2721	3	2805	3	4220	1*	2938
117	33102	2947	1629	3	2288		2356		2107		2231		2737	9	2355
118	33259 (R)	1920	3238	4	2579	3	2289		2281		2285		2110		2367
119	IR 64 (Sensitive check)	2673	1753	5	2213		2133		1039		1586		1891		1898
120	33260 (R)	2693	3793	4	3243	1*	2244		2300	9	2272		2824	8	2771
121	Local Check	2285	2284	9	2332	10	2244		3076	1	2660	5	3028	5	2613
	Exp. mean	2357	2277		2303		2346		2158		2252		2549		2326
	CD	339	469		357		335		507		318		181		219
	CV%	10.44	14.96		11.27		10.36		17.06		10.26		5.16		6.85
	F Statistic @5%	S	S	S	S		S	S	S	S	S	S	S	S	S
	D/S	30-06-2025	07-05-202		S		27.06.2025	20-06-2025					04.09.2025		
	Local Check Name	CR DHAN -203	IIAB Dhan-4				Avishkar	GR-16					CO 53		

Table 1.2.2: Grain Yield (Kg/ha) of entries in AVT-1&2 EDS Kharif 2025 under normal rainfall

Entry No.	IET No	Zone III						Zone III (2)		Zone IV	
		Odisha		West Bengal		Bihar				Tripura	
		Jeypore		Hathwara		Pusa, Samastipur@					
										Mean	
101	Zconal Check	4715	5	2761		4296	8	3738		3347	
102	32100	4420	7	5035	4	4211	10	4727	3	5232	8
103	Anjali (ZC for all zone)	3662		4032		3540		3847		3692	
104	33089	3113		3139		4262	9	3126		3611	
105	33108	2230		4255	9	4413	2	3242		4458	
106	US-314 (Hybrid Check)	2720		5001	5	4182		3860		4879	9
107	33112	4529	6	3893		4380	4	4211	9	3984	
108	CR Dhan 804	5062	3	3886		4467	1	4474	6	4426	
109	33104	5153	1	4119	10	4298	7	4636	5	7045	4
110	33119	4357	8			3467		4357	7	4303	
111	CR Dhan 808	5105	2	3605		3273		4355	8	3150	
112	Vandana(NC)	4057	10	3147		3429		3602		6284	5
113	33100	3188		4983	6	4385	3	4086	10	7821	1
114	32087 (R)	4783	4	8540	1*	3870		6662	1*	4347	
115	Shahagidhan (NC & RP)	4188	9	5843	3	4030		5016	2	7153	3
116	32077 (R)	3477		5903	2	4101		4690	4	7447	2
117	33102	3836		3251		4299	6	3544		3974	
118	33259 (R)	3524		4313	8	3793		3919		5474	7
119	IR 64 (Sensitive check)	3180		4492	7	3808		3836		4779	10
120	33260 (R)	3202		3903		4053		3553		5711	6
121	Local Check	2808		2769		4368	5	2789		4658	
	Exp. mean	3871.96		4343.57		4044.14		4108.07		5036.84	
	CD	793.21		713.09		202.98		524.98		1152.21	
	CV%	14.90		11.93		3.65		9.29		13.26	
	F Statistic @5%	S		S		S		S		S	
	D/S	05.07.2025		22.07.2025		01-07-2025				30-07-2025	
	Local Check Name	Mahendragiri		PUSPA		R. Nilam				CR-311	

Table 1.2.2 (cont.): Grain Yield (Kg/ha) of entries in AVT – 1 & 2 EDS Kharif 2025 under normal rainfall

Entry No.		Zone V													
		Chhattisgarh (CG)						CG(2)				MP (2)			
								Madhya Pradesh (MP)				MP (2)		Zone V (4)	
		Jagdalpur		Raipur		Mean		Jabalpur		Rewa		Mean		Mean	
101	Zonal Check	4637	1	7264	3	5950	2	6723	1	3595	3	5159	1	5555	1
102	32100	4385	5	3512	9	3948	10	4720		2871		3796		3872	9
103	Anjali (ZC for all zone)	3568		822		2195		5590	5	3547	6	4569	6	3382	
104	33089	4114		4951	4	4533	4	6633	3	2055		4344	8	4438	4
105	33108	4151	10	1790		2970		5510	8	3888	2	4699	4	3835	
106	US-314 (Hybrid Check)	4296	6	4319	7	4307	7	5550	6	2825		4188		4248	7
107	33112	3753		3276		3514		4830		3591	4	4211	10	3862	10
108	CR Dhan 804	3773		1181		2477		3283		2743		3013		2745	
109	33104	4282	7	4682	6	4482	5	4723		2723		3723		4103	8
110	33119	3977		1229		2603		4187				4187		3131	
111	CR Dhan 808	3471		875		2173		4727		2143		3435		2804	
112	Vandana(NC)	3353		608		1980		3223		2709		2966		2473	
113	33100	4454	4	7296	2	5875	3	6647	2	2983	9	4815	2	5345	2
114	32087 (R)	3971		8801	1*	6386	1	3780		2669		3224		4805	3
115	Shabhagidhan (NC & RP)	4479	3	3457		3968	9	4533		2487		3510		3739	
116	32077 (R)	4535	2	3457	10	3996	8	5500	9	3958	1	4729	3	4362	6
117	33102	3905		4772	5	4339	6	5213	10	3569	5	4391	7	4365	5
118	33259 (R)	3894		2278		3086		6550	4	2600		4575	5	3831	
119	IR 64 (Sensitive check)	4164	9	1644		2904		3743		3076	8	3410		3157	
120	33260 (R)	3642		2418		3030		5530	7	3110	7	4320	9	3675	
121	Local Check	4169	8	3514	8	3841		4593		2883	10	3738		3790	
	Exp. mean	4046.28		3435.42		3740.85		5037.62		3001.27		4047.67		3881.69	
	CD	490.46		857.01		499.65		368.80		469.98		282.32		306.24	
	CV%	8.82		18.14		9.71		5.32		11.38		5.07		5.74	
	F Statistic @5%	S	S	S		S		S		S		S		S	
	D/S	14.06.25		27.06.2025				21-06-2025		23-07-2025					
	Local Check Name	Bastar Dhan 1	Bastar Dhan 1	Bastar Dhan 1				JR 206		JR 206					

Table 1.2.2 (cont.): Grain Yield (Kg/ha) of entries in AVT-1&2 EDS Kharif 2025 under normal rainfall

Entry No.	IET No	Zone VII		Overall (Normal) (8)	
		Karnataka			
		Mugad		Mean	
101	Zonal Check	3723	10	4661	4
102	32100	3815	8	4205	7
103	Anjali (ZC for all zone)	3652		3570	
104	33089	3560		3903	
105	33108	4358	1*	3795	
106	US-314 (Hybrid Check)	3857	6	4136	8
107	33112	4073	4	3995	9
108	CR Dhan 804	3199		3400	
109	33104	3282		4382	5
110	33119	3395		3530	
111	CR Dhan 808	3857	6	3381	
112	Vandana(NC)	3460		3211	
113	33100	3792	9	5010	2*
114	32087 (R)	4313	2*	5185	1*
115	Shabhagidhan (NC & RP)	3560		4333	6
116	32077 (R)	4213	3	4691	3
117	33102	3315		3978	10
118	33259 (R)	3412		3941	
119	IR 64 (Sensitive check)	3356		3492	
120	33260 (R)	3869	5	3833	
121	Local Check	3125		3516	
	Exp. mean	3675.54		4007.08	
	CD	399.69		292.97	
	CV%	7.91		5.32	
	F Statistic @5%	S		S	
	D/S	11.06.25			
	Local Check Name	MGD-101			

Table 1.2.3: Grain Yield (Kg/ha) of entries in AVT 2&1-E DS Kharif 2025 under severe drought

Entry No.	IET No	Zone III		Zone VI		Overall (severe) (1)	
		Jharkhand		Gujarat		mean	
		Hazaribagh		Dero[@			
101	Zonal Check	679		528	16	679	
102	32100	1304	10	1542	4	1304	10
103	Anjali (ZC for all zone)	1458	8	1106	12	1458	8
104	33089	1729	6	437	20	1729	6
105	33108	1213		2533	1	1213	
106	US-314 (Hybrid Check)	442		772	15	442	
107	33112	1413	9	1090	13	1413	9
108	CR Dhan 804	88		501	18	88	
109	33104						
110	33119	363		1497	5	363	
111	CR Dhan 808	1979	4	1108	11	1979	4
112	Vandana(NC)	1971	5	1035	14	1971	5
113	33100	196		493	19	196	
114	32087 (R)	1025		1206	8	1025	
115	Shabhagidhan (NC & RP)	1992	3	1282	7	1992	3
116	32077 (R)	433		1725	3	433	
117	33102	138		1136	9	138	
118	33259 (R)	2208	2	1132	10	2208	2
119	IR 64 (Sensitive check)	504		520	17	504	
120	33260 (R)	2313	1*	1406	6	2313	1*
121	Local Check	1683	7	1752	2	1683	7
	Exp. mean	1156.46		1140.13		1156.46	
	CD	256.45		769.89		256.45	
	CV%	16.11		49.05		16.11	
	F Statistic @5%	S		S		S	
	D/S	24.07.2025		18-07-2025			
	Local Check Name	CR Dhan 40		AAUDR 1			

Table 1.3.1 Days to 50% flowering of entries in AVT 2&1-E DS Kharif 2025 under normal rainfall

Entry No	IET No	Normal rainfall															Overall (Normal) (8)
		Zone III				Zone IV	Zone V					Zone V (4)	Zone VII				
		OD JYP	WB HTW	BI PSA@	Zone III (2) Mean		CG		CG (2) Mean	MP			MP (2) Mean	KA			
							JDP	RPR		JBP	REW						
101	Zconal Check	95	66	71	81	83	90	81	86	86	91	88	87	103	Mean	87	
102	32100	87	71	76	79	86	87	78	83	84	80	82	82	83	82	82	
103	Anjali (ZC for all zone)	82	62	75	72	79	76	68	72	63	67	65	68	68	70	70	
104	33089	81	80	80	80	80	88	85	87	86	94	90	88	89	86	86	
105	33108	96	67	73	81	78	80	75	78	77	79	78	78	81	79	79	
106	US-314 (Hybrid Check)	86	69	72	77	82	76	82	79	79	84	82	80	83	80	80	
107	33112	89	75	72	82	82	88	80	84	87	98	93	88	88	86	86	
108	CR Dhan 804	85	69	76	77	83	91	82	87	76	91	84	85	92	84	84	
109	33104	94		86	85	80	73	85	79	87		93	86	90	86	86	
110	33119	96	75	83	96	82	70	103	86	101	99	101	91	89	91	91	
111	CR Dhan 808	83	64	75	74	76	73	74	74	65	69	67	70	58	70	70	
112	Vandana(NC)	87	64	69	75	82	78	70	74	69	73	71	72	58	72	72	
113	33100	88	75	80	81	76	73	84	79	88	89	88	84	90	83	83	
114	32087 (R)	92	67	74	79	78	81	76	78	77	81	79	79	75	78	78	
115	Shabhagidhan (NC & RP)	95	67	73	81	79	87	79	83	83	79	81	82	77	81	81	
116	32077 (R)	94	69	74	82	78	88	82	85	84	89	86	86	84	84	84	
117	33102	86	72	75	79	79	78	76	77	81	93	87	82	78	80	80	
118	33259 (R)	91	68	76	80	80	80	78	79	82	80	81	80	73	79	79	
119	IR 64 (Sensitive check)	80	69	69	75	80	79	79	79	76	78	77	78	77	77	77	
120	33260 (R)	96	71	76	84	78	81	79	80	83	82	83	81	75	81	81	
121	Local Check	83	77	80	80	87	80	81	81	86	90	88	85	89	84	84	
	Exp. mean	89	70	75	80	80	81	80	80	81	84	83	82	81	81	81	
	CD	1.27	3.57	3.29	1.79	2.26	0.00	1.73	0.86	1.17	2.27	1.34	0.84	1.52	0.91	0.91	
	CV%	1.04	3.71	3.17	1.62	1.63	0.00	1.57	0.78	1.05	1.95	1.17	0.75	1.36	0.82	0.82	

Table 1.3.2 Days to 50% flowering of entries in AVT 2&1-E DS Kharif 2025 under moderate drought and severe drought

Entry No	IET No	Moderate drought										Overall (moderate) (5)	Severe drought			Overall (severe) (1)	Overall (14)
		Zone III		Zone III (2)	Zone VI		Zone VI	Zone VII	Zone III		Zone VI						
		OD	JH		MH	GJ			JH	GU							
		CTK	GKT	Mean	PBN	VYR	mean	CBT	TN	HZB	DRL@	mean	Mean				
101	Zconal Check	87	79	83	87	81	86	88	84	93	78	87	80	79	83	80	87
102	32100	89	84	87	81	86	84	84	84	78	84	84	79	78	78	79	82
103	Anjali (ZC for all zone)	85	68	77	71	71	71	71	71	66	66	72	66	61	61	66	71
104	33089	87	88	88	90	89	89	89	89	86	86	88	83	91	91	83	86
105	33108	90	84	87	80	81	81	81	81	67	67	80	79	71	71	79	80
106	US-314 (Hybrid Check)	85	82	84	84	83	83	84	84	75	75	82	82	81	81	82	81
107	33112	84	82	83	89	81	81	85	85	81	81	83	80	83	83	80	85
108	CR Dhan 804	86	86	86	88	89	88	88	88	83	83	86	84	77	77	84	85
109	33104			90						87	87	88					86
110	33119	91	88	88	87	85	86	86	86	86	86	87	85	89	89	85	90
111	CR Dhan 808	87	70	76	71	72	72	72	72	64	64	71	68	61	61	68	70
112	Vandana(NC)	90	67	79	71	75	73	73	73	65	65	74	64	59	59	64	72
113	33100	84	97	91	77	84	80	80	80	82	82	85	87	91	91	87	84
114	32087 (R)	88	85	87	83	80	82	82	82	72	72	82	79	77	77	79	80
115	Shabhagidhan (NC & RP)	86	78	82	81	81	81	81	81	78	78	81	77	76	76	77	81
116	32077 (R)	84	90	87	85	87	86	86	86	78	78	85	82	80	80	82	84
117	33102	88	82	85	83	77	80	80	80	81	81	82	84	83	83	84	81
118	33259 (R)	88	81	84	85	78	82	82	82	73	73	81	79	81	81	79	80
119	IR 64 (Sensitive check)	91	81	86	81	76	78	78	78	83	83	82	82	79	79	82	79
120	33260 (R)	86	80	83	82	81	82	82	82	72	72	80	78	78	78	78	80
121	Local Check	88	87	88	95	70	82	82	82	77	77	83	72	58	58	72	83
	Exp. mean	87	82	85	83	81	82	82	82	77	77	82	79	77	77	79	81
	CD	27.67	4.48	2.74	2.37	4.61	2.59	2.59	2.59	0.97	0.97	1.49	1.49	5.56	5.56	1.49	0.64
	CV%	23.07	3.97	2.35	2.09	4.15	2.31	2.31	2.31	0.91	0.91	1.33	1.38	5.25	5.25	1.38	0.58

Table 1.4.1: Plant height (cm) of entries in AVT 2&1-E DS Kharif 2025 under normal rainfall

Entry No	IET No	Normal															Overall (Normal) (8) mean
		Zone III			Zone III (2) Mean	Zone IV		Zone V					MP (2) mean	Zone VII			
		OD	WB HTW	BI <u>PSA@</u>		TP ARD	CG		CG(2) Mean	MP		Zone V (4) mean		KA			
							JDP	RPR		JBP	REW						
101	Zconal Check	92	104	79	98	73	63	100	81	80	88	84	83	87			
102	32100	88	130	92	109	105	81	115	98	87	83	85	91	86			
103	Anjali (ZC for all zone)	87	129	90	108	89	69	97	83	81	71	76	79	80			
104	33089	92	138	95	115	68	66	93	79	89	78	83	81	69			
105	33108	84	112	88	98	88	73	95	84	81	86	84	84	61			
106	US-314 (Hybrid Check)	84	114	83	99	94	70	89	80	77	84	81	80	58			
107	33112	95	124	98	109	89	88	106	97	85	90	87	92	69			
108	CR Dhan 804	79	105	85	92	87	72	87	79	67	88	77	78	57			
109	33104	81	119	98	100	106	88	85	87	76	72	74	80	73			
110	33119	85		92	85	100	85	106	96	71		71	87	78			
111	CR Dhan 808	79	125	80	102	114	60	98	79	80	76	78	79	71			
112	Vandana(NC)	91	123	98	107	130	61	115	88	83	98	90	89	60			
113	33100	93	132	93	112	136	87	124	105	108	88	98	102	82			
114	32087 (R)	84	114	90	99	113	68	85	77	75	90	83	80	60			
115	Shabhagidhan (NC & RP)	94	119	95	106	122	82	680	381	84	88	86	233	78			
116	32077 (R)	89	122	92	106	117	75	93	84	81	89	85	85	59			
117	33102	90	117	94	103	104	65	95	80	80	92	86	83	69			
118	33259 (R)	93	126	95	110	114	80	106	93	79	82	80	87	69			
119	IR 64 (Sensitive check)	81	116	82	98	100	64	88	76	75	88	82	79	85			
120	33260 (R)	98	123	90	111	115	65	105	85	83	88	86	85	77			
121	Local Check	81	133	86	107	111	89	88	88	81	78	80	84	71			
	Exp. mean	87.53	121.20	90.24	103.51	103.38	73.86	126.25	100.05	81.09	84.85	82.65	91.54	71.30			

Table 1.4.2 Plant height (cm) of entries in AVT 2&1-E DS Kharif 2025 under moderate drought and severe drought

Entr y No	IET No	Moderate drought										Severe drought			Overall I (severe) (1)	Overall I (14)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Zone III		Zone III (2)		Zone VI		Zone VI		Zone VII		Zone III	Zone VI	Overall (moderate) (5)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		OD CT	JH GK	Mean	PBN	VYR	mean	Zone VI	TN	CBT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

Table1.5.1: Number of panicles/m² of entries in AVT 2&1-E DS Kharif 2025 under normal rainfall

Entry No	IET No	Normal															Overall (Normal) (8)	
		Zone III			Zone III (2)	Zone IV		Zone V			MP		Zone V (4)	Zone VII				
		OD	WB	HTW	BI	Mean	TP	CG		CG(2)	MP		mean	mean	KA	MGD		
								JDP	RPR		JBP	REW						
101	Zonal Check	252	177	234	PSA@	215	525	144	175	160	282	199	241	200	314	mean	246	
102	32100	231	155	250		193	555	160	169	165	202	172	187	176	320	230		
103	Anjali (ZC for all zone)	182	165	253		173	435	100	169	134	311	206	259	197	248	217		
104	33089	290	125	261		207	495	130	182	156	232	127	179	168	293	222		
105	33108	266	178	246		222	495	123	194	159	230	271	251	205	307	247		
106	US-314 (Hybrid Check)	199	160	236		180	555	132	156	144	214	178	196	170	356	229		
107	33112	230	209	220		220	525	110	105	108	190	209	199	154	304	221		
108	CR Dhan 804	216	188	236		202	570	113	111	112	266	139	203	157	300	222		
109	33104	248	176	232		212	810	124	210	167	259	162	210	189	266	256		
110	33119	303		219		303	525	123	193	158	193		193	170	203	239		
111	CR Dhan 808	273	187	217		230	540	104	221	163	265	133	199	181	215	228		
112	Vandana(NC)	220	184	247		202	585	73	173	123	185	160	172	148	264	213		
113	33100	254	167	224		211	690	210	195	203	236	172	204	203	267	254		
114	32087 (R)	213	163	246		188	570	112	104	108	227	164	195	151	279	212		
115	Shabhagidhan (NC & RP)	274	189	254		232	660	148	213	181	232	155	193	187	264	248		
116	32077 (R)	262	186	248		224	705	163	136	150	234	241	238	194	303	258		
117	33102	281	220	255		251	390	125	114	120	259	234	247	183	303	234		
118	33259 (R)	266	204	242		235	540	120	222	171	266	144	205	188	262	239		
119	IR 64 (Sensitive check)	234	163	253		199	510	128	207	168	229	203	216	192	280	232		
120	33260 (R)	237	180	235		209	600	113	119	116	271	212	241	179	302	238		
121	Local Check	246	188	230		217	555	122	115	119	230	163	197	158	240	217		
	Exp. mean	247	178	240		215	564	128	166	147	239	182	211	178	280	233		
	CD	26.59	41.17	7.53		26.03	197.33	27.67	37.33	19.60	8.69	36.60	18.95	15.26	34.96	19.85		
	CV%	7.84	16.78	2.28		8.79	20.30	15.78	16.38	9.72	2.65	14.59	6.54	6.22	9.08	6.19		

Table1.5.2: Number of panicles/m² of entries in AVT 2&1-E DS Kharif 2025 under normal rainfall

Entry No	IET No	Moderate drought										Overall (moderate) (5)		Severe drought			Overall (severe) (1)		Overall (14) Mean
		Zone III		Zone III (2)		Zone VI		Zone VII		Overall mean	Zone III JH	Zone III HZB	Zone VI DRL@GU	Overall mean					
		OD	JH	Mean	PBN	MH	GJ	mean	TN										
															CTK	GKT	Mean	PBN	
101	Zonal Check	244	288	266	395	323	359	253	300	167	248	167	248	167	260				
102		32100	298	322	310	308	281	295	346	311	185	240	185	240	185	257			
103	Anjali (ZC for all zone)	273	216	245	258	232	245	267	249	171	121	171	121	171	226				
104		33089	234	247	237	293	225	259	261	252	138	73	138	73	138	227			
105		33108	276	253	265	389	243	316	379	308	183	252	183	252	183	265			
106	US-314 (Hybrid Check)	243	277	260	310	229	270	270	266	151	88	151	88	151	237				
107		33112	277	242	260	292	250	271	342	281	129	260	129	260	129	237			
108	CR Dhan 804	233	306	270	290	272	281	273	275	111	139	111	139	111	234				
109		33104	258	317	287	322	268	295	308	295	90	212	90	212	90	259			
110	33119	258		240				279	259						244				
111	CR Dhan 808	242	262	250	272	224	248	238	247	162	167	162	167	162	230				
112		Vandana (NC)	264	252	258	262	220	241	261	252	188	115	188	115	188	226			
113	33100	248	207	228	337	267	302	254	263	85	86	85	86	85	245				
114	32087 (R)	281	294	288	366	255	310	334	306	152	227	152	227	152	242				
115	Shabhagidhan (NC & RP)	208	303	255	351	324	338	277	293	206	237	206	237	206	262				
116		32077 (R)	283	289	286	317	258	288	276	285	123	263	123	263	123	258			
117	33102	240	295	268	307	256	281	319	283	83	204	83	204	83	241				
118	33259 (R)	275	304	290	297	215	256	281	275	163	155	163	155	163	247				
119	IR 64 (Sensitive check)	273	289	281	320	267	294	270	284	159	160	159	160	159	246				
120		33260 (R)	262	348	305	302	244	273	347	300	166	251	166	251	166	256			
121	Local Check	297	305	301	372	252	312	363	319	170	146	170	146	170	249				
		Exp. mean	259	281	269	318	255	287	295	281	149	182	149	182	149	245			
	CD	86.63	39.01	23.11	27.49	30.03	20.97	14.61	11.99	27.15	45.35	27.15	45.35	27.15	14.04				
	CV%	24.25	10.09	6.25	6.28	8.55	5.32	3.60	3.10	13.23	18.08	13.23	18.08	13.23	4.17				

Table 1.6 (cont.): Grain quality parameters of entries in AVT 2&1- EDS Kharif 2025

Entry No.	IET No	KL (mm)	KB (mm)	L/B	KLAC (mm)	ER	WU (ml/100g)	VER	ASV	GC (mm)	Amylose %	Type	Chalkiness
101	Zonal Check	6.25	2.03	3.08	9.70	1.55	320.00	4.25	4.00	58.00	18.60	LB	VOC
102	32100	5.81	2.34	2.48	10.00	1.72	325.00	4.00	5.00	58.00	16.83	MS	OC
103	Anjali (ZC for all zone)	5.46	2.58	2.12	9.40	1.72	320.00	4.00	6.00	58.00	23.88	MS	VOC
104	33089	5.84	2.28	2.56	9.70	1.66	285.00	4.25	5.00	54.00	20.10	MS	VOC
105	33108	6.48	2.06	3.15	9.60	1.48	268.00	4.00	5.00	53.00	22.80	LB	VOC
106	US-314 (Hybrid Check)	6.02	2.10	2.87	9.90	1.64	255.00	5.60	5.00	52.00	19.08	LB	VOC
107	33112	6.35	2.09	3.04	10.40	1.64	320.00	4.00	5.00	54.00	24.60	LB	VOC
108	CR Dhan 804	6.34	1.94	3.27	9.80	1.55	365.00	4.25	6.00	58.00	18.15	LB	OC
109	33104	5.03	2.31	2.18	8.60	1.71	375.00	4.00	6.00	57.00	24.82	MS	OC
110	33119	5.07	2.25	2.25	9.00	1.78	255.00	4.00	6.00	48.00	23.28	MS	VOC
111	CR Dhan 808	5.34	2.43	2.20	8.80	1.65	355.00	4.00	4.00	58.00	20.10	MS	VOC
112	Vandana(NC)	5.62	2.25	2.50	8.80	1.57	250.00	4.25	4.00	56.00	24.50	MS	OC
113	33100	5.44	2.41	2.26	8.30	1.53	260.00	4.25	5.00	52.00	25.30	MS	VOC
114	32087 (R)	6.22	2.07	3.00	10.20	1.64	270.00	5.60	5.00	47.00	22.40	LB	VOC
115	Shabhagidhan (NC & RP)	5.76	2.17	2.65	9.40	1.63	250.00	3.75	5.00	47.00	23.50	MS	VOC
116	32077 (R)	6.52	2.08	3.13	9.40	1.44	355.00	4.25	5.00	45.00	24.60	LB	VOC
117	33102	6.15	2.05	3.00	8.90	1.45	350.00	4.00	5.00	48.00	25.30	LB	VOC
118	33259 (R)	6.01	2.21	2.72	9.20	1.53	255.00	4.00	5.00	48.00	22.40	LB	VOC
119	IR 64 (Sensitive check)	6.03	2.03	2.97	9.70	1.61	250.00	5.30	5.00	57.00	24.10	LB	VOC
120	33260 (R)	6.05	2.09	2.89	9.20	1.52	280.00	4.00	5.00	52.00	22.50	LB	VOC

HULL: Hulling (%) MILL: Milling (%) HRR:Head Rice Recovery KL:Kernal length (mm) KB:Kernal Breadth(mm) L/B : Length and Breadth(mm)
 KLAC:Kernal length after cooking WU:Water uptake ER:Elongation ratio AC:Amylose content (%) ASV:Alkali Spreading Value AC: Amylose Content GC:
 Gel consistency

INITIAL VARIETY TRIAL - EARLY DIRECT SEEDED (IVT - EDS)

Locations: 17

Test Entries: 54

National checks: Sahbhagidhan and Vandana

Sensitive check: IR64

Zonal check for all zones: Anjali

Varietal checks: CR Dhan 804, CR Dhan 808

Zonal Check: Govind (Northern-II), Narendra 97(Eastern-III&IV), Samaleshwari (Central-V), Varalu (Western-VI) and Tulasi (Southern-VII) & Anjali (All zones)

Hybrid check: US 314

Local checks

Normal Condition: (11)

Zone III: Hathwada, West Bengal; Pusa, Bihar; Ranchi, Jharkhand and, Gorakhpur, Uttar Pradesh

Zone IV: Medziphema, Nagaland

Zone V: Jagdalpur and Raipur Chattisgarh; Jabalpur, Madhya Pradesh

Zone VI: Vyara, Gujarat

Zone VII: Coimbatore, Tamil Nadu and Mugad, Karnataka

Moderate Drought: (06)

Zone III: Cuttack and Jeypore, Odisha & Garhkhatanga, Jharkhand

Zone V: Rewa, Madhya Pradesh

Zone VI: Parbhani Maharashtra & Derol, Gujarat

Under IVT-EDS trial, 54 test entries were evaluated with nine checks during kharif-2025 (Table1). The trial was laid out across seventeen locations representing zone-III, VI, V, VI and VII. F-statistics was not significant for the locations Hathwada and Jagdalpur whereas, CV% were beyond the considerable limits for Pusa (low, 3.31%) and Medziphema (low, 2.8%). Therefore, data from only thirteen locations were considered for the analysis out of which seven were categorized under normal, and six were categorized under moderate drought conditions, based on the period of dry spells as well as yield during the period of crop growth. The seven locations under normal condition include Ranchi and Gorakhpur (Zone III); Raipur and Jabalpur (Zone V); Vyara (Zone VI) & Coimbatore and Mugdal (Zone VII). The six locations under moderated drought include Cuttack, Jeypore and Garhkhatanga (Zone III), Rewa (Zone V) Parbhani and Derol (Zone VI). Thirteen locations were considered for data interpretation.

None of the test locations were categorized as severe drought condition and therefore, the genotypes were identified only for the IVT (A) category, as defined in the 'Criteria for promotion/ promising entry identification in Early direct seeded trial' (Proceedings of meeting for promotion and release in problem prone ecologies under rainfed and irrigated conditions dated 16.05.2024).

As no hybrid test entries were there, the performance of the hybrid check US 314 was not considered for comparison.

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The range of various parameters across the zones is presented in the following table.

Moderate drought			
Zones	III	V	VI
Zonal mean (kg/ha)	1675 (IET 34108)- 3366 (IET34092)	560 (IET 34074)- 4030(IET 34088)	1144 (ZC)- 3409 (IET 34073)
Exp Mean (kg/ha)	2125.05 (CTK)-2547.22 (GKT)	2522.22 (REW)	1668.47 (DRL)-2691.75(PBN)
CV%	12.00 (CTK)- 14.60 (GKT)	9.50(REW)	7.53 (PBN)- 25.6741 (PBN)
DFF	78 (NC)-96 (IET 34074)	66 (NC & 34080) 94 (IET 34090)	60 (NC)- 105 (IET 34074)
PH (cm)	76 (ZC)- 122 (IET 34104)	84 (IET 34092)- 118 (CR Dhan 808)	55 (IET 34095) 111 (IET 34104)
Pan/m ²	193 (IET 34062)- 317 (IET 34072)	141 (ZC)- 342 (IET 34082)	150 (IET 34086)- 306 (IET 34114)
Locations considered	3	1	2

Normal				
Zones	III	V	VI	VII
Zonal mean (kg/ha)	1535 (IET 34094)- 5664 (IET 34106)	2839 (IET 34106)- 6908 (IET 34110)	972 (IET 34081) 5346 (IET 34072)	2719 (IET 34112)- 4480 (IET 34090)
Exp Mean (kg/ha)	3499.81 (RCI)- 4124.95 (GRK)	3522.57 (RPR)- 5215.32(JBP)	3847 (VYA)	3515 (CBT)-4348 (MGD)
CV%	8.81 (RCI)- 15.29(GRK)	18.79 (RPR)- 7.87(JBP)	3270.65 (VYA)	3362.06 (CBT)- 4075.34 (MGD)
DFF	68 (LC)- 102 (IET 34094)	65(ZC)-102 (IET 34074)	59 (CR Dhan 808) 109 (IET 34074)	69 (CR Dhan 808) 98 (IET 34094)
PH (cm)	77 (IET 34094)- 122 (IET 34108)	63 (IET 34089)- 106 (IET 34062)	95 (CR Dhan 804) 167 (IET 34104)	60 (IET 34114)- 116 (IET 34104)
Pan/m ²	253 (IET 34072)- 418 (IET 34069)	113 (IET 34072) 284 (IR 64 (SC))	168 (IET 34072) 418 (ZC)	276 (IET 34080) 392 (IET 34088)
Locations considered	2	2	1	2

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General information on drought situation at locations considered for interpretation:

Centre	Total Rainfall	No. of Dry Spell	Comments	D/S	Avg Yield Kg/Ha	Classification (Drought Situation)
ADT	Data not received					
ARD	Not conducted					
CBT	180.1	Nil		04-09-25	3362.06	Normal
DRL	786	1 (8-21 Oct)		18-07-25	1668.47	Moderate
GKT	1327.7	Nil		07-05-25	2547.22	Moderate
GRK	NA	Nil		22-06-25	4124.95	Normal
HTW	402.5	1 (8-10-25 to 28-10-25)	NS; F-Stat (Not considered)	22-07-25	3909.16	Normal
HZB	862.8	1 (8-10-25 to 28-10-25)	Trial not conducted	24-07-25	-	-
JBP	1130.8	3		21-06-25	5215.32	Normal
JDP	740.2	Nil	NS; F-Stat (Not considered)	14-06-25	3453.19	Normal
JYP	1625	Nil		05-07-25	2534.50	Moderate
MDZ	1027.7	Nil	CV: 2.8% (Not considered)	16-07-25	3508.76	Normal
MGD	567.5	NA		11-06-25	4075.34	Normal
CTK	905.7	3		30-06-25	2125.05	Moderate
PBN	1061.54	3		27-06-25	2691.75	Moderate
PSA	851.3	3	CV: 3.31% (Not considered)	01-07-25	4237.27	Normal
RPR	1034.4	1		27-06-25	3522.57	Normal
RCI	1483.4	Nil		25-06-25	3499.81	Normal
REW	1268.6	2		23-07-25	2522.22	Moderate
SKM			Trial failed			
VYR	2478	Nil		20-06-25	3270.65	Normal

Zone wise performance of entries under normal and moderate drought condittion

Zone-III (Normal): The trial was laid out at four locations in the zone under normal condition. The data from Hathwada (West Bengal) & Pusa (Bihar) were not considered for the analysis due to non-significant F-statistics and CV% beyond considerable limit, respectively. Data from two locations, Ranchi (Jharkhand) & Gorakhpur (Uttar Pradesh) were considered for the analysis. Performance of the hybrid check was best, followed by the performance of CR Dhan 808. Therefore CR Dhan 808 with grain yield 5053kg/ha, 100cm plant height and 85DFF was considered as the BVC for the zone.

The entries IETs 34106 (5664kg/ha grain yield, 76DFF, 102cm plant height) and 34067 (5657kg/ha, 74DFF and 98cm plant height) showed significantly higher yield than CR Dhan 808 (BVC) while the entries, IETs 34099, 34071, 34080, 34114 and 34108 displayed at par performance with the BVC.

The mean yield in the zone is 3812.38 kg/ ha, mean days to fifty percent flowering is 82 days and the mean plant height is 99.53cm. Entries IETs 34063, 34076, 34083, 34094, 34103 and 34105 displayed DFF>90 days both in the zone and on overall basis under normal condition and were not considered further.

Zone-III (Moderate Drought): Three locations in the zone, Cuttack, Jeypore (Odisha) and Garhkhatanga (Jahrkhand) were observed to experience moderate drought. The mean yield at the locations was found to be below 3000kg/ ha and therefore, the locations were categorized as moderate drought locations. The mean yield for the zone is 2402.26kg/ha, with 88 DFF and mean height of 95.46cm. The variety CR Dhan 804 outperformed all other check varieties with 3365kg/ha grain yield, 89 days DFF and 89cm plant height and considered as the BVC. As none of the test entries could significantly outperform the BVC, hence not promoted in the zone.

Zone IV (Normal): The trial was at single location in the zone. However, due to lower CV% than the permissible limit, the data was not considered for further analysis.

ZoneV (Normal): The trial was laid out at three locations in the zone under normal condition. The data from Raipur (Chattisgarh) and Jabalpur (M.P.) was utilized for analysis while the data from Jagdalpur (M.P.) revealed non-significant F-Statistics and therefore was not considered for analysis. The performance of IR64 (sensitive check) was superior to all other check varieties with mean grain of 5112kg/ha, mean DFF of 76 days and mean plant height of 81cm and therefore considered for comparison of test entries. The mean grain yield for the zone is 4368.94kg/ha, mean DFF being 83days and mean plant height is 86.95cm.

Entries that significantly outperformed the BVC included 34110 (6908kg/ha, 87DFF&86cmplant height), 34094 (6850kg/ha, 94DFF &82cm plant height), 34113 (6300kg/ha, 88DFF & 87cm plant height), 34068 (6224kg/ha, 87DFF &91cm plant height), 34090 (5873kg/ha, 98DFF & 87cm plant height) and 34091 (5712kg/ha, 92DFF & 82cm plant height). The entries IETs 34092, 34098, 34087 (5623kg/ha, 82DFF & 102cm plant height), 34115 (5593kg/ha, 80DFF & 96cm plant height) and 34109 (5392kg/ha, 84DFF & 83cm plant height) performed at par with BVC.

Entries with DFF>90 include IETs 34115 (96), 34112(101), 34108 (94), 34104 (100), 34100 (92), 34098 (100), 34088 (97), 34087 (102), 34086(102), 34082(98), 34081 (95), 34079 (104), 34078(91), 34074 (91), 34072 (99) and 34071 (98). The mean DFF of local checks and check for all zones Anjali was> 90days in the zone; therefore, all the entries were considered.

Zone V (Moderate Drought): Rewa (M.P.) was the only location categorized under moderate drought under this zone. The mean yield was 2522.22kg/ha for the location. The mean DFF was

80 days while the mean plant height was 98.89cm. National check variety, Sahbhagidhan was considered as the BVC with yield of 3930kg/ha, 85 days DFF and 100cm plant height. None of the entries significantly outperformed the BVC, hence not promoted in the zone.

Zone VI (Normal): Vyara (Gujrat) was the only location categorized under normal condition for the zone and the data was considered for analysis. National check Sahbhagidhan was found to be the BVC in the trial (4542kg/ha, 82 days DFF and 124cm plant height). The mean yield for the location is 4368.94kg/ha with a mean DFF of 82 days and a mean plant height of 124.18cm. None of the entries were found to be significantly better than the BVC while the entries, IETs 34070, 34110, 34094, 34075 and 34107 displayed at par performance w.r.t. the BVC.

The entries, IETs 34071 (93), 34072 (100), 34074 (109), 34082 (94), 34088 (94), 34090 (109) and 34100 (93) displayed DFF > 90 days in the zone. The entries, IETs 34072 (92), 34074 (95), 34088 (92) and 34090 (95) displayed DFF > 90 days in the zone as well as on overall basis under normal condition and therefore were not considered for further comparison.

Zone VI (Moderate Drought): Two locations in the zone, Parbhani (Maharashtra) and Derol (Gujrat) were observed to experience moderate drought. The mean yield for the zone under moderate drought was 2180.11kg/ha. The mean performance of the Local check varieties was considered as the BVC (mean yield 2501kg/ha, 91 DFF and 99 cm plant height) for the zone. The entries IET 34073 (3409kg/ha, 84 DFF and 77cm), IET 34097 (3219kg/ha, 79 DFF and 78cm), IET 34109 (3214kg/ha, 83 DFF and 71cm), IET 34111 (3170kg/ha, 82 DFF and 76cm) and IET 34084 (3063kg/ha, 82 DFF and 62cm) significantly outperformed the BVC whereas, IET 34115, 34114, 34091 and 34077 performed at par with the BVC. None of these entries could perform at least at par with the BVC under normal condition, hence not promoted in the zone.

The entries, IETs 34072, 34078, 34087, 34093 and 34104 showed DFF > 90 days and therefore not considered.

Zone VII (Normal): The trial was laid out at two locations in the zone under normal condition. The data from both Coimbatore (Tamil Nadu) and Mugad (Karnataka) were utilized for analysis. None of the entries displayed significantly higher yield than the mean performance of the zonal check Tulasi, the BVC for the zone (4421kg/ha, DFF 93 days and plant height of 87cm). The entries, IETs 34088, 34068, 374082, 34079, 34115, 34062, 34108 and 34069 displayed at par performance with the BVC.

The mean performance of the varieties in the zone is 3614.58 kg/ha, mean DFF is 85 days, and the mean plant height is 77.33cm. Among the at par performing entries, IET no. 34088 (95) displayed DFF > 90 days.

Overall (Normal): On overall basis under normal condition, the mean yield was found to be 3839.54kg/ha with mean DFF of 83 days and mean plant height was 93.17cm. The mean performance of the Hybrid check US-314 was found to be best followed by the zonal check (4155kg/ha, 88 DAF and 100cm plant height) under different zones under normal condition. Mean performance of the zonal check was considered as the BVC for comparing the performance of the test entries. The entries, IETs 34110, 34068, 34115, 34113 and 34071 significantly outperformed the BVC while IETs 34114, 34100, 34087 and 34094 performed at par with the BVC.

The entries IETs 34072 (92), 34074 (95), 34086 (91), 34088 (95), 34090 (95) and 34094 (97) displayed DFF > 90 days and more than all the check varieties in the zone and therefore are not considered further.

Overall (Moderate drought):

Overall basis the mean yield under moderate drought locations is 2348.20kg/ha, with mean DFF of 85 days and mean plant height of 90.64cm. The mean performance of Sahbhagidhan (2923kg/ha, DFF 80 days and 94cm plant height) was best among the checks and therefore was considered as BVC for comparison. The test entries, IETs 34073 (3223kg/ha, DFF 86 and plant height 94cm) and 34115 (3209kg/ha, DFF 84 days and plant height 93cm) significantly outperformed the BVC while the entries IETs 34092, 34109, 34088, 34097, 34091 and 34107 performed at par with the BVC.

The entries that recorded DFF>90 days on overall basis under moderate drought include, IETs 34072 (94), 34074 (97), 34082 (91), 34088 (94), 34091(91), 34096 (92), 34100 (93) and 34110 (92) and therefore not considered further.

As IET 34115 outperformed BVC under both normal and moderate conditions, hence is promoted to AVT1 on overall basis, under IVT (A) category.

Promotion of entries

- **Promoted on zonal mean basis:**

Zone III: Nil

Zone V: Nil

Zone VI: Nil

- **Promoted on overall mean basis: IET 34115**

Identification of superior and at par entries under normal condition and superior entries under moderate drought condition in different zones:

Zone-III				
Normal condition BVC: CR Dhan 808 Hybrid Check: US314			Moderate drought BVC:CR Dhan 804 Hybrid Check: US314	Promotions
Superior entries	At par entries	Remarks	Superiorentries	
IET 34106 and 3406	IET 34099, 34071, 34080, 34114 and 34108	IET 34063, 34076, 34083, 34094, 34103 and 34105 displayed DFF>90	Nil	Nil
Zone-V				
Normal condition BVC: IR64 (Sensitive Check) Hybrid Check: US314			Moderate drought BVC: Sahabhagidhan (NC) Hybrid Check: US314	Promotions
Superior entries	At par entries	Remarks	Superior entries	
IET34110,34094, 34113, 34068, 34090, 34091, 34087, 34115 and 34109	IET 34092, 34098, 34087,34115 and 34109	IET 34115, 34112, 34108, 34104, 34100, 34098,34088, 34087, 34086,34082, 34081, 3407, 34078, 34074, 3407 and 34071. All the entries were considered as Checks exhibited higher DFF.	Nil	Nil
Zone-VI				
Normal condition BVC: Sahbhagidhan (NC) Hybrid Check: US314			Moderate drought BVC: Sahbhagidhan (NC) Hybrid Check: US314	Promotions
Superior entries	At par entries	Remarks	Superior entries	
Nil	IET 34070, 34110, 34094, 34075 and 34107	IET 34071, 34072, 34074, 34082, 34088, 34090 and 34100 displayed DFF>90 days in the zone.	IET 34073, 34097, 34109 and 34111, 34084	Nil
Zone-VII				
Normal condition BVC: Tulasi (ZC) Hybrid Check: US314			Moderate drought BVC: NA Hybrid Check: NA	Promotions
Superior entries	At par entries	Remarks	Superior entries	
Nil	IET 34088, 34068, 374082, 34079, 34115, 34062, 34108 and 34069	IET no. 34088 (95) displayed DFF > 90 days. all considered as the zonal check Tulasi displayed a DFF of 93 days	No trial locations under the zone	Nil

Overall basis				
Normal condition BVC: ZC mean Hybrid Check: US314			Moderate drought BVC: LC mean Hybrid Check: US314	Remarks
Superior entries	At par entries	Remarks	Superior entries	
IET 34110, 34068, 34115 , 34113 and 34071	IET 34114, 34100, 34087 and 34094	IET 34072, 34074, 34086, 3408, 34090 and 34094 displayed DFF > 90 days; not considered further	IET 34073 and 34115 significantly outperformed the BVC	IET 34115 is promoted to AVT1 under IVT(A) category

Performance of the promoted entry to AVT1 under IVT (A) category:

Zone	Normal condition					Moderate drought				Remarks
	Entry No.	CD at 10%	GT	Performance (kg/ha)/DFF	Remarks	Entry No.	CD at 10%	Performance (kg/ha)/DFF	Remarks	
Overall basis	IET 34115	308.31	LB	4696	Significantly outperformed the BVC	IET 34115	229.9	3209	Significantly outperformed the BVC	Promoted to AVT1 under IVT (A) category on overall basis
				83				84		
				93				93		
	ZC mean			4155	BVC	LC mean		2394	-	BVC
				88				87		
				89				97		

Table 2.1: Composition of entries in IVT - Early Direct seeded (IVT-EDS), Kharif 2025

Entry No	IET no	Designation	Cross combination	Grain type
201	34062	NWGR-18176	DANDI X IVT-IME-3812/2-1-1-1-1-2	MB
202	34063	CR 6545-1-2	IR 16L 1421/IR 18R1100	LS
203	34064	PAU-93-83-2-1-B-B	PAU10780/PR 126*2	LS
204	34065	NVSR 4318	NVSR 2528 X NVSR 2272	LS
205	34066	Jhilli Dhan Mutant -15-1	Mutant of Jhilli Dhan	LS
206	Shabhagidhan (NC)			
207	34067	DBP-15-2	Bastardhan/CGR 12	LS
208	34068	CR 4437-7-4-4	IR 64 sub-1/ CSSL Line of Oryza meridionalis-MER 20	SB
209	34069	CRR841-1-IR 14L 245	IR10L179/IR10L151	LS
210	34070	ORJ 1345 (TP 30531)	IR10M342/IR08N785	MS
211	34071	CR-4383-RGA-10-100	C745-3-1-1-1-1 x IET27218 / Annada	MB
212	34072	RCPR 110	IR 64/ APO	LS
213	34073	R-RF-236	IR 17L1494 (IR 111243/IR 105146)	LS
214	Anjali (ZC for all zone)			
215	34074	CR 3824-15-2-5-6-2	Swarna Sub-1/ IR 64 Sub1	MS
216	34075	CRR 839-1-IR17A2808	IR 98418-B-B-15/ IR11A293	LS
217	34076	RCPL 1-453	Bhalum 1/Bhalum 3	
218	34077	CSAR-IR144560-16-45-1-1-B		
219	34078	CR 4332-47-3-2-1	Naveen*3 / Robin	MS
220	34079	RCPL 1-469	Kabilesh/Bhalum 1/Bhalum 3	
221	Vandana(NC)			
222	34080	RNR 44194	MTU 1001 X RP 5989	LS
223	34081	RPCAU 1505-3-1	Swarna/IRGC-19922//MTU-1081	MB
224	34082	CR 2895-288-54-6-2-1	Selumpkit/Naveen	MB
225	34083	R-IR17A2891	IR 99054-B-B-29 X IR 11A 293	LS
226	34084	RPCAU 1522-8-2	RP Bio-226/IRGC 69910//SM Sub-1	LS
227	34085	CB 21515	CO51/ CO54	MS
228	CR Dhan 804			
229	34086	RCPR 109-IR 18R1068	SUPA/3*IRRI 154	LS
230	34087	CR 4391-RGA-17-3	CR Dhan 202 x Annada	MB
231	34088	PAU-DSR-AYT2-46	PR126/IR 94226-B-177-B//IRBB60/IR 94225-B-82-B///Rathu Henathi/PR126//IR91468-B-289-B/Tadukan	LS
232	34089	Sanchuriya Mutant-15	Mutant of Sanchuriya	SB
233	34090	ORJ 1311 (RP-5530-B-40-2)	RP Bio-226/IRGC 48960//MTU 1081	MB
234	34091	CR 6533-35-1	Jaya*Swarna Sub-1/IRBB 61	SB
235	34092	R 2322-180-1-169-1	R1723-1411-1355-1 X MTU 15	LS
236	34093	CRR 514-6	Brown gora/ N 22//CR143-2-2	LS
237	ZC Govind (Northern), Narendradhan97 (Eastern), Samaleshwari (Central), Varalu (Western) and Tulasi (Southern)			
238	34094	CR 6462-1-1-1-1	CR Dhan 800/ CR Dhan 801	LS
239	34095	BRK 250	BPT 5204 X Sahbhagidhan	MS
240	34096	CR 6509-300gy-11-S-4-3-B	Satabdi mutant	LS
241	34097	R-RF-234	IR 106312-50-1-1-1 (IR06N155/IR09L120)	LS
242	34098	CRR 797-71-2	Vandana/ IR 93835-123-B	LS
243	34099	CBHTR 22011	Anna (R) 4/HTM	MS
244	US-314 (Hybrid Check)			
245	34100	CR 6568-12-2-1-1-1-1	Khitish/Samaleswari	MS
246	34101	NVSR 3901	NVSR 2179 X NVSR 2803	LS
247	34102	BRR 301-IR144574-40-2-1-1-B	IR 91648-B-89-B*2/IR 144560	LS
248	34103	JR 51 (IR144562-1-47-1-1-B)	MTU 1010/IR144557	LS

249	34104	CR 6524-IR144575-63-1-B	IR 91648-B-89-B*3/IR 144557	LS
250	IR 64 (Sensitive check)			
251	34105	Shuats Dhan 9-IR144573-70-10-B	MTU 1010*3/IR 144557	LS
252	34106	MSAC 78-IR 144574-32-3-1-1-B	IR 91648-B-89-B*2/IR 144560	LS
253	34107	CR4392-RGA-40-2-33-1	C767-4-2-1-1 / IET27218 // N-22	MB
254	34108	CRR 667-19-2	Poornima/Salumpikit	LS
255	34109	BKR 635-IR144564-7-38-1-1-B	IR 91648-B-89-B/IR 144557	
256	34110	CR 3849-2-1-2-2-5	pooja/ IR 64 MAS	LS
257	34111	NVSR 4370	GAR 13 X NVSR 2272	LB
258	CR Dhan 808			
259	34112	CR 6559 - 6-3-2-1-1-1	CR3504-12-2-1-1-1-1/CR3759-1-1-2-1-1	MB
260	34113	NWGR-2003	JAYA X PUSA-1121/1-4-1-1	LB
261	34114	DBN-2-2	NPA 31/DRR Dhan 55	LS
262	34115	R-IR18A1061	IR 10N305 X BRRI Dhan 55	LB
263	Local Check			

Table 2.2.: Grain Yield (Kg/ha) of entries in IVT-E DS Kharif 2025 under normal condition

Entry No.	IET No.	Normal condition							
		Zone III						Zone III (2) Mean	
		WB	BI	JH	UP				
		HTW@	PSA@	RCI	GRK				
201	34062	4985	6	4293	2896	5000		3948	
202	34063	3605		4255	4144	3833		3989	
203	34064	5936	2	4350	2696	7192	3	4944	
204	34065	4059		4179	3654	3867		3761	
205	34066	3629		4223	2468	3073		2771	
206	Shabhagidhan (NC)	4689	9	4192	5240	1467		3353	
207	34067	3030		4268	4413	9 6902	5	5657	2*
208	34068	3960		4482	4 4344	4943		4644	
209	34069	4329		4040	4275	1910		3092	
210	34070	4264		4211	2965	4983		3974	
211	34071	5256	5	4312	3999	6500	10	5250	5
212	34072			4104	2482	7350	1	4916	
213	34073	4561		4148	4551	6 4733		4642	
214	Anjali (ZC for all zone)	3905		4230	2965	5380		4172	
215	34074	4068		4545	2 2813	6667	9	4740	
216	34075	4334		4230	4275	4733		4504	
217	34076	3209		4394	8 2965	1432		2198	
218	34077	4641		4375	9 3861	5000		4431	
219	34078	4125		4223	4171	5719		4945	
220	34079	4426		4293	2275	3088		2682	
221	Vandana(NC)	3931		3636	2758	1907		2332	
222	34080	4193		3990	4413	5908		5161	6
223	34081	4680	10	4236	2758	5307		4032	
224	34082	5344	4	4280	4482	7 3062		3772	
225	34083	4019		4476	5 3654	1775		2715	
226	34084	3165		4160	4413	9 1233		2823	
227	34085	3914		4356	3241	1830		2535	
228	CR Dhan 804	3911		4097	3585	3950		3768	
229	34086	3581		4249	3585	6262		4924	
230	34087	2296		4236	2965	4333		3649	
231	34088	5695	3	4211	2344	3283		2814	
232	34089	3170		4135	4482	7 785		2633	
233	34090			4407	7 2861	1665		2263	
234	34091	2223		4230	2758	5258		4008	
235	34092	3390		4350	3654	2065		2860	
236	34093	4034		4192	4620	3 5000		4810	
237	Zonal Check	3693		4154	2689	7300	2	4995	10
238	34094	4774	7	4653	1 2413	657		1535	
239	34095	2998		3990	2069	2308		2188	
240	34096	3163		4362	2689	1845		2267	
241	34097	3998		4167	3758	2505		3131	
242	34098	4239		4242	3930	5308		4619	
243	34099	3733		4141	3965	6867	6	5416	3
244	US-314 (Hybrid Check)	3325		4293	4275	6417		5346	4
245	34100	4756	8	4426	6 2861	6350		4606	
246	34101	4371		4078	3930	2817		3373	
247	34102	3909		4040	3241	1942		2591	
248	34103	3823		4274	2896	2017		2456	
249	34104	4110		4527	3 3482	2767		3124	
250	IR 64 (Sensitive check)	3114		4220	3585	983		2284	
251	34105	2268		4223	2586	703		1644	
252	34106	2893		4217	4344	6983	4	5664	1*
253	34107	3103		4293	2689	3000		2845	
254	34108	3575		3731	5102	2 5050		5076	8
255	34109	3571		4160	4551	5 3737		4144	
256	34110	6021	1	4249	3034	5333		4184	
257	34111	1804		4287	2896	3292		3094	
258	CR Dhan 808	3496		4174	3241	6865	7	5053	9
259	34112	4240		4306	2758	5810		4284	
260	34113	4315		4211	3654	4415		4035	
261	34114	3091		4255	4413	5740		5076	7
262	34115	3369		4205	4585	4 4703		4644	
263	Local Check	4156		4482	2827	6763	8	4795	
Exp. mean		3909.16		4237.27	3499.81	4124.95		3812.38	
CD		1967.91		234.34	514.87	1053.02		569.06	
CV%		30.13		3.31	8.81	15.29		8.94	
F Statistic @5%		NS		S	S	S		S	
D/S		21.07.2025		30-06-2025	30.07.2025	22.06.2025			
Local Check Name		PUSPA		R. Nilam	BVD-111	CRD DHAN-5			

Table 2.2.(Contd.): Grain Yield (Kg/ha) of entries in IVT-E DS Kharif 2025 under normal condition

Entry No	IET No	Normal											
		Zone IV		Zone V							Zone V (2) Mean		
		NL		CG			CG(1)		MP				
		MDZ@		JDP@		RPR	Mean		JBP				
201	34062	4174	9	3588		3923		3923		5245		4584	
202	34063	5292	2	3119		4552		4552		4655		4604	
203	34064	3869		3198		2067		2067		5360		3714	
204	34065	3987		3734	10	3062		3062		4300		3681	
205	34066	4599	4	3031		5099		5099		3985		4542	
206	Shabthagidhan (NC)	3677		3663		2515		2515		4125		3320	
207	34067	2842		3166		3600		3600		3285		3443	
208	34068	4015	10	3181		7449	1*	7449	1*	5000		6224	4
209	34069	4622	3	3291		3355		3355		4005		3680	
210	34070	3879		3319		4060		4060		4300		4180	
211	34071	3733		3438		4138		4138		5195		4667	
212	34072	4554	5	3481		2705		2705		5995	8	4350	
213	34073	2982		3097		4866		4866		4000		4433	
214	Anjali (ZC for all zone)	3204		3347		463		463		5280		2872	
215	34074	3973		3175		2316		2316		3635		2976	
216	34075	3776		3663		3719		3719		4635		4177	
217	34076	2914		3431		4191		4191		4270		4230	
218	34077	3453		3231		3143		3143		4730		3937	
219	34078	2633		3003		4946		4946		3820		4383	
220	34079	2639		4284	4	5556	8	5556	8	4190		4873	
221	Vandana (NC)	5621	1	825		703		703		5090		2896	
222	34080	3837		3281		3731		3731		4345		4038	
223	34081	3692		3697		4632		4632		5500		5066	
224	34082	3365		4047		5717	7	5717	7	4090		4904	
225	34083	4344	7	3091		3482		3482		5430		4456	
226	34084	3770		3563		3233		3233		5840	10	4537	
227	34085	2604		3288		1900		1900		4515		3207	
228	CR Dhan 804	3608		3569		815		815		5480		3147	
229	34086	2851		3466		1878		1878		4965		3422	
230	34087	2694		3369		5926	5*	5926	5*	5320		5623	7
231	34088	2778		3163		2223		2223		6930	5*	4576	
232	34089	3745		3347		1452		1452		5330		3391	
233	34090	3593		3153		4775		4775		6970	4*	5873	5*
234	34091	3359		5625	1	5748	6	5748	6	5675		5712	6*
235	34092	2810		3425		5170	10	5170	10	5195		5183	
236	34093	3860		3163		3025		3025		5730		4378	
237	Zonal Check	3000		3975	7	2201		2201		5725		3963	
238	34094	2771		3175		6700	2*	6700	2*	7000	3*	6850	2*
239	34095	2860		3294		2344		2344		5590		3967	
240	34096	2681		3238		793		793		5200		2996	
241	34097	3991		3650		3914		3914		5225		4570	
242	34098	3494		3659		4918		4918		5365		5142	
243	34099	2838		3394		1921		1921		5695		3808	
244	US-314 (Hybrid Check)	3816		3569		4723		4723		5965	9	5344	10
245	34100	4435	6	3591		5204	9	5204	9	4870		5037	
246	34101	3420		3453		2714		2714		5135		3924	
247	34102	3484		3744	9	1974		1974		5090		3532	
248	34103	3418		3147		3781		3781		4640		4210	
249	34104	2836		3300		2431		2431		5185		3808	
250	IR 64 (Sensitive check)	4001		3766		4729		4729		5495		5112	
251	34105	4305	8	3388		3401		3401		5520		4461	
252	34106	2876		3616		939		939		4740		2839	
253	34107	3842		3209		3016		3016		6170	7	4593	
254	34108	3521		3653		933		933		5080		3006	
255	34109	3742		4453	2	3610		3610		7175	2*	5392	9
256	34110	3176		3500		5046		5046		8770	1*	6908	1*
257	34111	3062		3491		3948		3948		5375		4662	
258	CR Dhan 808	3405		3284		721		721		5455		3088	
259	34112	2989		3469		1729		1729		5110		3419	
260	34113	2850		3022		6314	3*	6314	3*	6285	6	6300	3*
261	34114	2642		3675		4589		4589		5530		5059	
262	34115	3458		4344	3	5975	4*	5975	4*	5210		5593	8
263	Local Check	2791		3988	6	3218		3218		5550		4384	
Exp. mean		3508.76		3453.19		3522.57		3522.57		5215.32		4368.94	
CD		168.75		1254.02		1105.41		1105.41		684.97		548.51	
CV%		2.88		21.75		18.79		18.79		7.87		7.52	
F Statistic @5%		S		NS		S		S		S		S	
D/S		16.07.2025		02.07.2025		21.06.2025							
Local Check Name		Bhalum-3		Bastar Dhan 1		Bastar Dhan 1				JR 206			

Table 2.2. (Contd.): Grain Yield (Kg/ha) of entries in IVT-E DS Kharif 2025 under normal condition

Entry No	IET No	Zone VI		Zone VII				Zone VII (2)		Overall (7)	
		GJ		TN		KA					
		VYR		CBT		MGD		Mean		mean	
201	34062	3003		3610		4907	7	4258	8	4083	
202	34063	4276		2275		3876		3075		3944	
203	34064	3831		2739		4835		3787		4103	
204	34065	2594		2498		4116		3307		3442	
205	34066	2924		2474		3555		3014		3368	
206	Shabhagidhan (NC)	4542	6	2870		3447		3159		3458	
207	34067	1311		3128		3623		3376		3752	
208	34068	3208		4082	9	4739		4411	4	4824	3*
209	34069	2249		3821		4488		4154	10	3443	
210	34070	5346	1	3461		3930		3696		4149	
211	34071	3903		4318	5	3387		3853		4492	6*
212	34072	3427				3301		3301		4210	
213	34073	4276	10	3805		3282		3352		4161	
214	Anjali (ZC for all zone)	1940		3824		3403		3214		3208	
215	34074	3144		3938		4702		4031		3805	
216	34075	4922	4	3529		3511		3262		4115	
217	34076	3730		2962		4901	8	4072		3533	
218	34077	2698		3407		4768		3667		3824	
219	34078	3694		3964		3662		3295		4134	
220	34079	3312		4357	4	4708		4311	6	3863	
221	Vandana(NC)	972		3157		3334		3131		2527	
222	34080	2978		4006		4447		3866		4158	
223	34081	2696		4005		4841	10	4043		4140	
224	34082	3340		5091	1	5124	5	4388	5	4210	
225	34083	3567		2640		3851		3270		3493	
226	34084	3581		2991		4372		3746		3685	
227	34085	2607		3881		3471		3652		3057	
228	CR Dhan 804	3462		3051		3959		3382		3437	
229	34086	2957		3205		3828		3487		3803	
230	34087	4331	8	1499		4081		3597		4296	9
231	34088	4392	7	4074	10	5683	1	4480	1	4019	
232	34089	3054		3618		3349		3204		3073	
233	34090	3256				3857		3805		3877	
234	34091	3378		2617		3357		2995		4115	
235	34092	2747		3472		3773		3519		3695	
236	34093	3256		2924		4246		3304		4034	
237	Zonal Check	2327		3600		5629	2	4421	3	4155	
238	34094	5270	3	3996		4852	9	3878		4257	10
239	34095	1528		3509		3852		3461		2966	
240	34096	3833		2820		4469		3790		3134	
241	34097	4151		3481		3853		3579		3816	
242	34098	2512		4752	3	3889		3716		4209	
243	34099	2530		3093		3674		3173		3903	
244	US-314 (Hybrid Check)	3761		3445		5505	3	4444	2	4861	2*
245	34100	3097		4269	6	3677		3891		4309	8
246	34101	4282	9	4120	8	3359		3111		3586	
247	34102	2280		3176		3823		3699		3132	
248	34103	2968		3402		4627		3483		3324	
249	34104	1749		3684		3967		3558		3247	
250	IR 64 (Sensitive check)	2747		2249		3323		3160		3408	
251	34105	3644		2151		4216		3554		3280	
252	34106	2979		2571		4191		3332		3807	
253	34107	4697	5	2928		3802		2942		3636	
254	34108	1628		3267		5433	4	4167	9	3732	
255	34109	2598		2993		3497		3193		4008	
256	34110	5278	2	4805	2	3472		4008		5068	1*
257	34111	4001		1416		3211		2719		3564	
258	CR Dhan 808	1022		3343		3639		3222		3393	
259	34112	3757		2422		5075	6	3882		3847	
260	34113	3471		3721		3710		3848		4548	5*
261	34114	4264		2835		3489		3202		4420	7
262	34115	3847		3515		4348		4274	7	4696	4*
263	Local Check	2928		4226	7	3450		3545		4054	
Exp. mean		3270.65		3362.06		4075.34		3614.53		3839.54	
CD		1052.32		1314.14		462.67		282.18		308.31	
CV%		19.27		23.40		6.80		4.68		4.81	
F Statistic @5%		S		S		S		S		S	
D/S		20-06-25		11.09.2025		18.06.25					
Local Check Name		GR-16		CO 53		MGD-101					

Table 2.2. (Contd.): Grain Yield (Kg/ha) of entries in IVT-E DS Kharif 2025 under moderate drought condition

Entry No	IET No	Moderate drought									
		Zone III								Zone III Mean	
		OD				OD (2)		JH			
		CTK		JYP		Mean		GKT			
201	34062	2135		1969		2052		2560		2221	
202	34063	1958		2306		2132		2520		2261	
203	34064	2129		1884		2007		3540	6	2518	
204	34065	2306	10	2141		2224		2040		2162	
205	34066	2194		2595		2394		2030		2273	
206	Shabhagidhan (NC)	2151		2998		2574		3745	4	2965	
207	34067	2429	6	2439		2434		2645		2504	
208	34068	2498	4	1971		2235		2615		2362	
209	34069	2108		2170		2139		2490		2256	
210	34070	2220		3405		2813		2795		2807	
211	34071	2054		4024		3039		2875		2984	8
212	34072	2306		2922		2614		2165		2464	
213	34073	2215		4651	3	3433	2	3030		3299	4
214	Anjali (ZC for all zone)	1980		1456		1718		1610		1682	
215	34074	1980		4452	6	3216	6	1940		2791	
216	34075	2076		1400		1738		3900	2	2458	
217	34076	1915		4306	9	3111		1750		2657	
218	34077	1862		1391		1626		2580		1944	
219	34078	2129		2847		2488		2535		2504	
220	34079	2151		1342		1746		2595		2029	
221	Vandana (NC)	2108		2721		2414		1595		2141	
222	34080	2349	9	1223		1786		2405		1992	
223	34081	2156		1366		1761		2155		1892	
224	34082	1685		4094		2889		1920		2566	
225	34083	1830		1228		1529		3060		2039	
226	34084	2301		1029		1665		2210		1846	
227	34085	1840		4539	4	3190	8	2455		2945	
228	CR Dhan 804	2605	2	4403	7	3504	1	3085		3365	2
229	34086	2279		1704		1992		1940		1974	
230	34087	1915		2930		2423		2295		2380	
231	34088	1798		4864	1	3331	3	2690		3117	7
232	34089	1905		1855		1880		2260		2007	
233	34090	2119		3707		2913		2125		2650	
234	34091	2065		4357	8	3211	7	3640	5	3354	3
235	34092	2167		4481	5	3324	4	3450	7	3366	1
236	34093	2258		1088		1673		3855	3	2400	
237	Zonal Check	2156		1196		1676		2020		1791	
238	34094	1894		1427		1660		3220	9	2180	
239	34095	2033		1777		1905		1885		1898	
240	34096	2215		1646		1931		2745		2202	
241	34097	2070		2731		2401		2585		2462	
242	34098	2151		1393		1772		2000		1848	
243	34099	1910		1971		1941		2155		2012	
244	US-314 (Hybrid Check)	2504	3	1075		1789		2585		2055	
245	34100	2183		1398		1790		2355		1979	
246	34101	2477	5	1342		1909		3090	10	2303	
247	34102	1749		2454		2102		2260		2155	
248	34103	2194		3811		3002		2620		2875	
249	34104	2402	7	1840		2121		2330		2191	
250	IR 64 (Sensitive check)	1990		1044		1517		2130		1721	
251	34105	1915		4726	2	3321	5	2910		3184	5
252	34106	2044		1206		1625		4190	1	2480	
253	34107	2183		4169	10	3176	10	2570		2974	10
254	34108	2135		1194		1664		1695		1675	
255	34109	2215		3474		2845		3250	8	2980	9
256	34110	2991	1	1316		2153		2380		2229	
257	34111	1637		4007		2822		2500		2715	
258	CR Dhan 808	2204		1228		1716		1710		1714	
259	34112	1915		1549		1732		1825		1763	
260	34113	2365	8	3614		2989		2370		2783	
261	34114	2129		3100		2615		2040		2423	
262	34115	2204		4160		3182	9	3075		3146	6
263	Local Check	1840		2565		2203		2880		2428	
	Exp. mean	2125.05		2534.50		2329.78		2547.22		2402.26	
	CD	425.79		617.26		323.71		621.18		322.20	
	CV%	12.00		14.59		8.32		14.60		8.03	
	F Statistic @5%	S		S		S		S		S	
	D/S	30-06-2025			05.07.2025			05/07/2025			
	Local Check Name	CR DHAN -203			Mahendragiri			Sahbhagi Dhan			

Table 2.2.(Contd.): Grain Yield (Kg/ha) of entries in IVT-E DS Kharif 2025 under moderate drought condition

Moderate Drought													
Entry No	IET No	Zone V		Zone VI			Zone VI (2)		Overall (moderate) (6)		Overall (13)		
		MP		MH		GJ				Mean		Mean	
				REW		PBN		DRL					
201	34062	3480		2750		761		1756		2276		3017	
202	34063	3780	7	2500		2507		2504		2595		3084	
203	34064	2930		2500		651		1576		2272		3025	
204	34065	3130		2275		3024	8	2649		2486		2786	
205	34066	2030		2750		1397		2073		2166		2612	
206	Shabhagidhan (NC)	3930	4	3000		1714		2357		2923	6	2982	
207	34067	3630	10	2600		2509		2555		2709		3037	
208	34068	2020		3450	9	791		2120		2224		3365	5*
209	34069	2980		2550		1502		2026		2300		2707	
210	34070	1080		3500	7	2033		2767		2506		3148	
211	34071	1880		3275		703		1989		2469		3304	8*
212	34072	1230		2650		593		1621		1978		2856	
213	34073	2625		4250	1	2569		3409	1*	3223	1*	3462	4*
214	Anjali (ZC for all zone)	1670		1250		1039		1144		1501		2247	
215	34074	560		2530		114		1322		1929		2729	
216	34075	2430		3400	10	1441		2420		2441		3104	
217	34076	2530		3250		1270		2260		2504		2840	
218	34077	3280		3500	7	2079		2790	10	2449		2961	
219	34078	3030		3150		1321		2235		2502		3139	
220	34079	1080		2550		585		1568		1717		2668	
221	Vandana(NC)	930		1175		1568		1371		1683		1985	
222	34080	2930		2500		1074		1787		2080		2970	
223	34081	950		3650	3	357		2004		1772		2829	
224	34082	3480		3025		1296		2160		2583		3212	
225	34083	2930		3600	4	1874		2737		2420		2784	
226	34084	2080		3850	2*	2275		3063	5*	2291		2824	
227	34085	3005		3600	4	1107		2354		2758		2710	
228	CR Dhan 804	2830		3350		907		2129		2863	9	2946	
229	34086	2980		2150		955		1553		2001		2759	
230	34087	2830		2600		1473		2036		2341		3151	
231	34088	4030	1	3300		1268		2284		2992	5	3292	11*
232	34089	2430		2000		2278		2139		2121		2446	
233	34090	3220		2775		668		1721		2436		2982	
234	34091	1780		2550		3038	7	2794	9	2905	8	3303	9*
235	34092	4030	2	1650		3022	9	2336		3133	3	3191	
236	34093	2780		1750		2872	10	2311		2434		3060	
237	Zonal Check	2580		2250		884		1567		1848		2869	
238	34094	2030		2650		1182		1916		2067		3014	
239	34095	1980		2050		1806		1928		1922		2307	
240	34096	2230		1950		1135		1543		1987		2419	
241	34097	3620		3250		3188	4*	3219	2*	2907	7	3154	
242	34098	830		2250		2046		2148		1778		2867	
243	34099	3030		2100		2205		2153		2229		2907	
244	US-314 (Hybrid Check)	3680	9	2825		3236	3	3031	6	2651		3567	2
245	34100	1380		2900		185		1543		1734		2898	
246	34101	3830	5	2200		3291	2*	2745		2705		2952	
247	34102	1930		3050		795		1922		2040		2440	
248	34103	2180		3550	6	1477		2514		2639		2793	
249	34104	3130		1300		1026		1163		2005		2483	
250	IR 64 (Sensitive check)	3005		2500		1753		2127		2070		2592	
251	34105	2870		2250		1658		1954		2722		2807	
252	34106	3955	3	2950		1219		2084		2594		3015	
253	34107	3790	6	2600		1731		2166		2840	10	3036	
254	34108	1230		1250		2204		1727		1618		2560	
255	34109	2980		3350		3078	6	3214	3*	3058	4	3314	7*
256	34110	2625		3100		661		1881		2179		3468	3*
257	34111	1830		3200		3140	5	3170	4*	2719		2947	
258	CR Dhan 808	1620		1150		1188		1169		1517		2346	
259	34112	745		2675		466		1570		1529		2579	
260	34113	1060		2975		2323		2649		2451		3324	6*
261	34114	2380		3000		2615		2807	8	2544		3300	10*
262	34115	3780	7	2500		3536	1*	3018	7	3209	2*	3723	1*
263	Local Check	2080		2550		2451		2501		2394		3053	
Exp. mean		2522.22		2691.75		1668.47		2180.11		2348.20		2924.61	
CD		400.28		338.39		715.284		380.63		229.9		178.64	
CV%		9.50		7.53		25.6741		10.46		5.86		3.66	
F Statistic @5%		S		S		S		S		S		S	
D/S		04-07-2025		30.06.2025		18-07-2025							
Local Check Name		MTU 1010		Avishkar		AAUDR 1							

Table 2.3: Days to 50% flowering of entries in IVT EDS Kharif 2025

Entry No	IET No	Normal															Overall (Normal) (7)
		Zone III				Zone III (2)	Zone IV	Zone V				Zone V (2)	Zone VI	Zone VII		Zone VII (2)	
		WB	BI	JH	UP			CG	CG(1)	MP	GJ			TN	KA		
		HTW@	PSA@	RCI	GRK			Mean	MDZ@	JDP@	RPR			Mean	JBP		mean
201	34062	77	84	86	91	88	84	90	84	84	88	86	89	83	91	87	87
202	34063	68	79	74	113	93	89	80	78	78	84	81	84	78	91	84	86
203	34064	69	81	87	73	80	85	87	84	84	85	84	81	84	98	91	84
204	34065	63	77	73	95	84	90	78	80	80	83	82	78	83	93	88	83
205	34066	77	86	85	74	80	78	89	84	84	89	87	83	89	95	92	86
206	Shabhagidhan (NC)	68	78	71	104	87	75	77	77	77	81	79	82	72	76	74	80
207	34067	76	84	74	75	74	77	76	75	75	74	75	73	73	90	81	76
208	34068	83	88	81	71	76	78	85	88	88	85	87	80	75	90	82	81
209	34069	66	87	75	73	74	80	82	79	79	85	82	80	82	86	84	80
210	34070	83	88	83	74	78	81	82	83	83	86	84	81	90	93	91	84
211	34071	75	83	85	75	80	86	90	89	89	88	89	93	82	92	87	86
212	34072		87	85	91	88	88	93	87	87	91	89	100		96	96	92
213	34073	76	87	82	95	88	85	87	83	83	88	86	83	82	89	85	86
214	Anjali (ZC for all zone)	64	87	73	90	81	87	69	64	64	66	65	60	67	81	74	71
215	34074	86	94	83	77	80	81	94	104	104	101	102	109	89	102	95	95
216	34075	69	85	76	67	71	75	91	78	78	84	81	79	73	85	79	77
217	34076	75	85	87	100	93	80	80	83	83	87	85	84	88	90	89	88
218	34077	69	87	78	78	78	87	84	81	81	88	84	87	82	90	86	83
219	34078	74	83	82	74	78	74	85	80	80	86	83	83	74	92	83	81
220	34079	72	81	79	90	84	89	84	82	82	87	84	87	85	90	87	85
221	Vandana(NC)	63	81	65	99	82	75	71	69	69	79	74	71	62	79	70	75
222	34080	67	82	68	80	74	86	77	75	75	82	78	70	74	91	82	77
223	34081	77	83	86	85	85	76	86	86	86	91	88	81	85	93	89	86
224	34082	76	85	86	87	87	76	85	81	81	86	83	94	81	92	86	87
225	34083	67	84	71	117	94	88	77	77	77	82	80	81	70	84	77	83
226	34084	73	84	78	103	90	89	81	82	82	88	85	79	83	93	88	86
227	34085	80	86	82	95	88	87	83	81	81	86	84	84	80	94	87	86
228	CR Dhan 804	67	83	83	73	78	81	78	75	75	84	80	78	78	93	85	80
229	34086	72	80	84	75	79	78	81	77	77	92	85	87	83	90	87	84
230	34087	74	81	83	76	79	83	81	76	76	87	82	88	90	92	91	84
231	34088	79	77	84	92	88	76	93	91	91	93	92	94	90	100	95	92
232	34089	64	74	69	81	75	85	76	69	69	75	72	73	71	89	80	75
233	34090		87	87	94	90	87	90	101	101	95	98	109		92	91	95
234	34091	83	93	82	95	88	89	92	89	89	96	92	88	84	97	90	90
235	34092	70	88	78	73	75	86	79	78	78	86	82	81	82	90	86	81
236	34093	65	82	70	74	72	89	86	74	74	81	77	79	72	84	78	76
237	Zonal Check	68	77	82	100	91	74	78	81	81	88	84	83	89	98	93	88
238	34094	80	92	77	128	102	82	93	93	93	96	94	89	93	102	98	97
239	34095	66	78	78	72	75	81	76	75	75	75	75	69	75	85	80	75
240	34096	67	85	70	103	86	74	85	89	89	96	93	84	78	95	86	88
241	34097	67	82	74	78	76	80	81	79	79	87	83	81	77	91	84	81
242	34098	64	79	66	91	78	76	77	74	74	81	77	79	66	84	75	77
243	34099	68	81	82	69	76	84	78	76	76	86	81	74	73	89	81	78
244	US-314 (Hybrid Check)	72	77	76	74	75	89	77	76	76	82	79	78	77	89	83	78
245	34100	81	87	88	74	81	85	89	91	91	94	92	93	90	96	93	89
246	34101	81	87	77	81	79	87	81	80	80	88	84	79	77	92	84	82
247	34102	75	83	79	91	85	81	81	79	79	88	83	80	76	90	83	83
248	34103	69	85	86	103	94	81	83	84	84	85	84	83	85	91	88	88
249	34104	71	75	73	100	86	85	77	85	85	84	84	80	71	90	81	83
250	IR 64 (Sensitive check)	68	81	80	116	98	78	76	76	76	77	76	69	78	85	81	83
251	34105	68	88	86	113	99	85	83	83	83	87	85	81	84	90	87	89
252	34106	66	75	77	75	76	85	78	80	80	86	83	80	73	89	81	80
253	34107	80	85	82	67	75	86	89	83	83	90	86	90	91	100	95	86
254	34108	60	81	65	92	79	78	71	69	69	75	72	70	67	90	78	75
255	34109	69	83	78	74	76	83	79	80	80	88	84	87	78	89	84	82
256	34110	72	87	86	88	87	78	91	86	86	87	87	82	85	96	90	87
257	34111	78	83	86	85	86	89	87	89	89	91	90	82	83	94	89	87
258	CR Dhan 808	60	87	79	92	85	75	71	69	69	76	72	59	61	77	69	73
259	34112	99	94	86	78	82	81	93	89	89	97	93	76	88	99	93	87
260	34113	79	88	69	72	71	86	88	89	89	88	88	81	84	95	89	82
261	34114	68	86	82	81	81	81	82	82	82	87	84	87	81	100	90	85
262	34115	68	77	82	80	81	83	78	80	80	81	80	80	90	91	90	83
263	Local Check	80	84	61	74	68	85	80	78	78	87	82	69	82	86	84	77
Exp. mean		72	83	78	86	82	82	83	81	81	86	83	82	79	91	85	83
CD		2	4	9	1	5	2	0	6	6	2	3	4	1	2	1	2
CV%		2	3	7	1	3	1	0	4	4	1	2	3	1	1	1	1

Table 2.3 (contd.): Days to 50% flowering of entries in IVT EDS Kharif 2025

Entry No	IET No	Overall (Normal) (7)	Zone III				Moderate drought					Overall (moderate) (6)	Overall (13)
			CTK	JYP	OD (2)	JH	Zone III Mean	Zone V MP	Zone VI MH	GJ	Zone VI (2) mean		
201	34062	87	91	96	93	86	91	79	91	74	82	86	87
202	34063	86	88	86	87	81	85	82	87	74	80	83	84
203	34064	84	91	96	94	87	91	79	89	85	87	88	86
204	34065	83	93	94	93	76	87	81	82	72	77	83	83
205	34066	86	89	95	92	88	91	79	92	78	85	87	86
206	Shabhagidhan (NC)	80	86	91	88	77	85	75	82	73	77	80	80
207	34067	76	85	94	89	74	84	74	80	63	71	78	77
208	34068	81	91	90	90	87	89	91	91	83	87	89	85
209	34069	80	92	85	88	82	86	78	90	73	81	83	81
210	34070	84	90	96	93	89	92	81	89	89	89	89	86
211	34071	86	89	95	92	84	89	87	91	86	88	88	87
212	34072	92	91	96	94	95	94	89	101	94	97	94	93
213	34073	86	89	92	90	84	88	86	91	77	84	86	86
214	Anjali (ZC for all zone)	71	91	85	88	64	80	81	70	87	78	80	75
215	34074	95	88	96	92	104	96	85	106	104	105	97	96
216	34075	77	87	86	87	81	85	78	90	73	81	82	80
217	34076	88	91	96	93	88	92	81	92	77	84	87	88
218	34077	83	86	89	87	82	85	74	88	65	76	80	82
219	34078	81	83	90	86	83	85	77	89	82	85	84	82
220	34079	85	90	97	93	83	90	87	88	81	84	87	86
221	Vandana(NC)	75	84	84	84	67	78	66	72	49	60	70	72
222	34080	77	87	96	91	73	85	66	77	69	73	78	77
223	34081	86	91	97	94	87	91	81	90	97	93	90	88
224	34082	87	91	95	93	87	91	86	98	87	92	91	88
225	34083	83	90	85	87	80	85	74	84	65	75	79	81
226	34084	86	88	96	92	90	91	83	87	76	82	87	86
227	34085	86	89	96	93	85	90	79	96	85	90	88	87
228	CR Dhan 804	80	91	97	94	81	89	71	91	70	80	83	82
229	34086	84	88	90	89	83	87	79	96	95	96	89	86
230	34087	84	88	97	92	88	91	81	86	100	93	90	87
231	34088	92	91	97	94	101	96	89	98	89	93	94	93
232	34089	75	88	86	87	75	83	69	78	87	82	80	77
233	34090	95	91	96	93	98	95	94	93	53	73	87	92
234	34091	90	91	93	92	93	92	93	94	85	89	91	90
235	34092	81	91	95	93	83	90	78	87	78	83	85	83
236	34093	76	88	84	86	76	83	77	81	76	78	80	78
237	Zonal Check	88	86	85	85	75	82	88	90	55	72	80	84
238	34094	97	88	95	92	94	92	88	92	81	87	90	93
239	34095	75	89	84	86	74	82	75	79	62	70	77	76
240	34096	88	92	96	94	88	92	90	98	91	94	92	90
241	34097	81	84	87	85	81	84	76	87	71	79	81	81
242	34098	77	88	88	88	73	83	72	81	66	73	78	77
243	34099	78	87	87	87	77	83	70	81	67	74	78	78
244	US-314 (Hybrid Check)	78	92	86	89	78	85	75	82	65	73	79	79
245	34100	89	89	95	92	91	92	93	102	87	94	93	91
246	34101	82	85	85	85	82	84	74	86	73	79	81	81
247	34102	83	83	92	87	85	86	84	90	75	82	85	84
248	34103	88	92	94	93	86	90	83	91	73	82	86	87
249	34104	83	87	95	91	83	88	75	92	76	84	85	84
250	IR 64 (Sensitive check)	83	91	86	88	80	85	75	80	67	73	80	81
251	34105	89	90	87	88	86	87	80	98	79	88	86	88
252	34106	80	84	87	85	79	83	73	88	72	80	80	80
253	34107	86	83	97	90	90	90	84	92	83	88	88	87
254	34108	75	84	84	84	67	78	80	72	53	62	73	74
255	34109	82	90	90	90	84	88	80	90	76	83	85	83
256	34110	87	90	96	93	90	92	85	98	95	96	92	89
257	34111	87	90	96	93	90	92	84	87	77	82	87	87
258	CR Dhan 808	73	89	84	87	64	79	79	71	58	64	74	73
259	34112	87	89	90	89	106	95	91	97	65	81	89	88
260	34113	82	89	96	92	88	91	90	90	81	86	89	85
261	34114	85	93	96	94	84	91	78	90	75	82	86	86
262	34115	83	91	97	94	84	90	74	84	74	79	84	83
263	Local Check	77	85	95	90	80	87	80	95	88	91	87	81
	Exp. mean	83	88	92	90	83	88	80	88	77	82	85	84
	CD	2	4	2	2	4	2	4	2	2	2	1	1
	CV%	1	3	1	2	3	1	3	2	2	1	1	1

Table 2.4: Plant height (cm) of entries in IVT-EDS Kharif 2025

Entry No	IET No	Normal										
		Zone III				Zone III (2)	Zone IV	Zone V				Zone V (2)
		WB	BI	JH	UP		NL	CG	CG(1)	MP		
		HTW@	PSA@	RCI	GRK	Mean	MDZ@	JDP@	RPR	Mean	JBP	mean
201	34062	128	92	91	104	97	90	104	111	111	101	106
202	34063	121	96	90	99	95	80	102	95	95	84	89
203	34064	88	95	73	101	87	92	86	78	78	71	75
204	34065	101	86	79	128	104	86	90	87	87	68	77
205	34066	110	85	74	106	90	91	101	91	91	74	83
206	Shabhagidhan (NC)	110	90	92	115	103	74	99	80	80	75	77
207	34067	100	91	90	105	98	96	104	93	93	72	83
208	34068	98	91	89	101	95	86	97	108	108	75	91
209	34069	121	97	98	115	106	96	110	107	107	93	100
210	34070	110	89	59	135	97	77	91	97	97	77	87
211	34071	118	94	105	125	115	94	107	107	107	89	98
212	34072		93	89	115	102	86	112	107	107	92	99
213	34073	120	96	84	108	96	93	95	86	86	75	81
214	Anjali (ZC for all zone)	109	87	95	110	103	78	84	97	97	85	91
215	34074	82	97	88	119	104	95	103	98	98	84	91
216	34075	101	86	76	118	97	104	91	96	96	75	85
217	34076	113	96	82	105	93	88	102	93	93	79	86
218	34077	113	93	92	126	109	74	93	86	86	77	81
219	34078	100	92	100	115	107	93	105	105	105	77	91
220	34079	95	97	96	113	104	81	100	128	128	80	104
221	Vandana(NC)	111	86	103	104	104	89	94	92	92	81	86
222	34080	87	82	91	123	107	92	101	107	107	74	91
223	34081	120	87	99	131	115	95	100	107	107	83	95
224	34082	119	91	88	105	96	99	105	96	96	100	98
225	34083	108	94	95	105	100	102	97	87	87	83	85
226	34084	108	88	85	104	95	80	88	97	97	70	84
227	34085	100	83	79	128	103	63	89	87	87	72	80
228	CR Dhan 804	88	91	69	110	89	84	89	87	87	65	76
229	34086	141	94	92	106	99	83	114	98	98	107	102
230	34087	135	96	95	128	112	63	100	107	107	97	102
231	34088	111	86	95	117	106	75	102	107	107	86	97
232	34089	90	87	81	101	91	76	84	66	66	60	63
233	34090		82	85	111	98	102	102	97	97	77	87
234	34091	99	91	78	107	93	96	94	86	86	77	82
235	34092	111	91	76	107	92	84	103	93	93	85	89
236	34093	121	93	106	104	105	87	100	87	87	92	89
237	Zonal Check	90	84	68	97	82	123	95	86	86	74	80
238	34094	110	85	75	79	77	79	95	87	87	76	82
239	34095	90	89	80	94	87	95	85	80	80	59	70
240	34096	102	91	67	104	85	85	89	81	81	65	73
241	34097	113	92	96	118	107	134	109	85	85	85	85
242	34098	110	94	102	104	103	97	102	106	106	94	100
243	34099	107	85	79	134	107	96	88	86	86	64	75
244	US-314 (Hybrid Check)	109	85	96	103	100	86	96	91	91	78	85
245	34100	138	96	85	92	88	93	96	96	96	87	92
246	34101	109	86	83	117	100	96	92	95	95	66	81
247	34102	110	89	75	108	92	88	94	95	95	76	85
248	34103	120	91	91	125	108	91	99	86	86	78	82
249	34104	151	95	119	99	109	89	120	89	89	112	100
250	IR 64 (Sensitive check)	107	85	87	121	104	90	86	84	84	77	81
251	34105	100	94	90	98	94	88	105	94	94	74	84
252	34106	102	91	84	120	102	91	101	70	70	73	72
253	34107	99	94	84	102	93	98	96	93	93	85	89
254	34108	140	88	119	125	122	89	95	107	107	81	94
255	34109	118	91	80	77	79	65	96	94	94	71	83
256	34110	115	93	88	115	101	96	108	86	86	86	86
257	34111	107	82	88	143	116	92	110	94	94	75	84
258	CR Dhan 808	115	91	109	96	103	89	97	87	87	82	84
259	34112	92	94	87	109	98	108	103	110	110	91	101
260	34113	113	90	82	122	102	97	103	96	96	78	87
261	34114	90	86	69	115	92	93	85	86	86	69	78
262	34115	103	94	90	103	97	93	112	108	108	83	96
263	Local Check	107	89	101	135	118	93	99	97	97	85	91
	Exp. mean	109.08	90.17	87.83	111.23	99.53	89.77	98.31	94.02	94.02	79.89	86.95

Table 2.4 (Contd.): Plant height (cm) of entries in IVT-EDS Kharif 2025

Entry No	IET No	Normal				
		Zone VI	Zone VII		Zone VII Mean (2)	Overall (Normal)
		GJ	TN	KA		(7)
		VYR	CBT	MGD	Mean	mean
201	34062	131	91	76	84	101
202	34063	140	83	52	68	92
203	34064	102	73	69	71	81
204	34065	117	81	59	70	88
205	34066	118	72	60	66	85
206	Shabhagidhan (NC)	124	81	57	69	89
207	34067	111	97	55	76	89
208	34068	135	90	69	79	95
209	34069	131	99	81	90	103
210	34070	115	78	59	69	89
211	34071	133	99	73	86	105
212	34072	147		78	78	105
213	34073	123	85	82	83	92
214	Anjali (ZC for all zone)	130	107	94	100	103
215	34074	114	86	65	75	93
216	34075	113	67	54	61	86
217	34076	130	80	67	73	91
218	34077	143	71	71	71	95
219	34078	143	93	67	80	100
220	34079	149	102	85	93	107
221	Vandana(NC)	128	90	62	76	94
222	34080	108	97	74	86	96
223	34081	143	95	94	95	107
224	34082	129	87	93	90	99
225	34083	124	82	48	65	89
226	34084	106	82	74	78	88
227	34085	108	83	65	74	89
228	CR Dhan 804	95	73	60	66	80
229	34086	147	100	89	95	105
230	34087	156	102	83	93	110
231	34088	130	80	84	82	100
232	34089	107	70	56	63	77
233	34090	107	73	55	64	86
234	34091	122	81	73	77	89
235	34092	123	85	85	85	93
236	34093	136	91	84	88	100
237	Zonal Check	126	78	96	87	89
238	34094	106	70	60	65	79
239	34095	102	72	68	70	79
240	34096	104	74	69	71	80
241	34097	131	81	64	72	94
242	34098	131	100	81	91	103
243	34099	105	69	81	75	88
244	US-314 (Hybrid Check)	121	84	82	83	94
245	34100	131	81	61	71	90
246	34101	137	80	62	71	91
247	34102	117	71	56	63	85
248	34103	120	79	64	72	92
249	34104	167	125	106	116	117
250	IR 64 (Sensitive check)	114	70	74	72	90
251	34105	122	80	62	71	89
252	34106	116	68	55	61	84
253	34107	124	73	57	65	88
254	34108	133	113	94	103	110
255	34109	128	77	63	70	84
256	34110	136	89	75	82	96
257	34111	121	87	76	82	98
258	CR Dhan 808	141	85	72	78	96
259	34112	116	82	76	79	96
260	34113	115	90	35	63	88
261	34114	99	75	45	60	80
262	34115	138	76	51	64	93
263	Local Check	106	101	93	97	103
	Exp. mean	124.18	84.45	70.31	77.33	93.17

Table 2.4 (Contd.): Plant height (cm) of entries in IVT-EDS Kharif 2025

Entry No	IET No	Moderate drought									Overall (moderate) (6)	Overall (13)
		Zone III				Zone III Mean	Zone V MP	Zone VI		Zone VI (2) Mean		
		OD		OD (2)	JH			MH	GJ			
		CTK	JYP									
201	34062	99	94	96	100	97	118	79	95	87	97	98.97
202	34063	91	97	94	106	97	100	70	108	89	95	93.60
203	34064	106	74	90	90	90	87	54	67	60	81	81.03
204	34065	97	95	96	91	95	94	58	82	70	88	88.04
205	34066	117	86	101	98	101	88	61	73	67	89	87.01
206	Shabthagidhan (NC)	106	93	99	104	101	100	70	88	79	94	91.77
207	34067	104	90	97	108	100	100	70	82	76	93	91.13
208	34068	102	91	96	97	97	94	61	74	67	88	91.43
209	34069	93	110	102	110	104	101	74	98	86	98	100.75
210	34070	82	91	86	103	91	94	63	85	74	86	87.45
211	34071	100	95	97	121	103	107	83	88	85	99	101.58
212	34072	80	90	85	126	95	106	90	101	96	97	100.36
213	34073	110	90	100	106	101	96	60	93	77	94	92.72
214	Anjali (ZC for all zone)	98	100	99	103	100	100	75	91	83	95	98.86
215	34074	104	96	100	99	100	100	72	74	73	92	92.89
216	34075	95	78	87	80	85	86	59	68	64	79	82.21
217	34076	97	98	97	108	100	98	70	85	77	93	91.96
218	34077	87	97	92	96	93	105	64	91	77	90	92.65
219	34078	106	83	94	108	98	106	93	90	92	97	98.53
220	34079	114	91	102	107	103	94	72	88	80	95	101.37
221	Vandana(NC)	84	82	83	96	86	95	75	104	90	88	91.34
222	34080	98	80	89	103	93	95	72	87	79	89	92.72
223	34081	95	86	91	115	97	98	81	85	83	93	100.18
224	34082	102	95	98	109	101	104	72	87	79	95	97.35
225	34083	88	97	92	102	95	98	70	87	78	91	89.91
226	34084	108	87	97	92	96	108	52	72	62	88	88.11
227	34085	95	92	93	84	91	103	63	77	70	86	87.67
228	CR Dhan 804	87	89	88	92	89	96	59	69	64	83	81.17
229	34086	108	96	102	120	106	112	66	75	70	97	101.17
230	34087	90	103	96	118	102	117	91	103	97	102	106.13
231	34088	82	90	86	100	89	108	66	87	76	88	94.04
232	34089	88	70	79	79	79	91	52	88	70	78	77.64
233	34090	95	95	95	88	93	87	53	71	62	83	84.80
234	34091	72	88	80	97	84	97	62	83	72	83	86.02
235	34092	94	95	94	103	96	84	68	82	75	88	90.87
236	34093	114	101	108	107	107	108	91	98	95	104	101.97
237	Zonal Check	77	78	78	71	76	93	64	94	79	79	84.14
238	34094	106	89	97	95	97	93	60	76	68	88	83.53
239	34095	106	89	98	93	96	103	49	62	55	86	82.53
240	34096	92	85	89	90	89	110	58	77	67	86	83.11
241	34097	95	101	98	107	100	98	64	92	78	94	93.88
242	34098	104	94	99	115	103	100	74	92	83	97	99.79
243	34099	85	72	78	92	82	90	50	74	62	77	82.71
244	US-314 (Hybrid Check)	95	89	92	90	92	111	69	92	81	91	92.34
245	34100	88	99	94	92	93	102	71	93	82	91	90.77
246	34101	88	86	87	88	87	101	64	91	78	86	88.96
247	34102	94	89	92	89	91	87	68	82	75	86	85.64
248	34103	104	93	98	99	99	102	74	81	77	93	92.42
249	34104	101	134	117	135	122	114	94	128	111	117	117.12
250	IR 64 (Sensitive check)	77	94	86	85	85	97	62	81	72	83	86.29
251	34105	106	94	100	112	103	93	66	86	76	94	91.19
252	34106	90	79	84	99	88	90	57	72	65	82	82.59
253	34107	103	98	100	89	98	89	51	72	62	86	87.14
254	34108	89	85	87	122	95	103	76	115	95	96	103.38
255	34109	87	90	88	102	92	104	55	87	71	88	86.01
256	34110	102	89	96	99	96	97	65	77	71	89	92.78
257	34111	80	94	87	92	88	101	70	82	76	86	92.11
258	CR Dhan 808	116	88	102	109	104	118	68	100	84	100	97.95
259	34112	85	99	92	101	94	88	75	103	89	92	93.72
260	34113	101	92	97	101	98	88	59	90	74	90	88.96
261	34114	101	87	94	87	92	103	50	70	60	85	82.10
262	34115	116	95	106	101	104	90	58	89	74	93	93.12
263	Local Check	89	94	92	108	96	102	94	105	99	97	99.98
	Exp. mean	96.27	91.39	93.83	100.36	95.46	98.89	67.46	86.26	76.86	90.64	91.90

Table 2.5: Number of panicles/m² of entries in IVT EDS Kharif 2025

Entry No	IET No	Normal									
		Zone III				Zone III (2)	Zone IV	Zone V			
		WB	BI	JH	UP	Mean	NL	CG	CG(1)	MP	
		HTW@	PSA@	RCI	GRK		MDZ@	JDP@	RPR	Mean	JBP
201	34062	267	239	172	504	338	321	166	221	221	224
202	34063	332	251	192	400	296	421	245	138	138	181
203	34064	292	253	133	444	288	319	145	102	102	223
204	34065	156	244	134	415	274	320	151	161	161	219
205	34066	232	241	229	457	343	410	156	270	270	171
206	Shabhagidhan (NC)	373	248	246	394	320	307	186	128	128	190
207	34067	286	238	212	419	315	289	183	168	168	214
208	34068	211	254	231	455	343	320	215	172	172	200
209	34069	291	241	326	511	418	340	178	210	210	144
210	34070	214	253	109	515	312	338	175	200	200	186
211	34071	244	249	212	478	345	303	189	217	217	181
212	34072		244	116	389	253	400	248	60	60	166
213	34073	314	238	208	429	318	263	156	210	210	162
214	Anjali (ZC for all zone)	177	231	181	462	321	274	140	87	87	268
215	34074	287	238	163	463	313	308	178	158	158	155
216	34075	329	239	281	520	401	309	176	232	232	209
217	34076	197	241	134	461	298	266	204	199	199	159
218	34077	240	224	230	439	334	293	186	167	167	191
219	34078	216	249	235	428	331	250	166	159	159	169
220	34079	144	241	204	491	347	266	193	156	156	164
221	Vandana(NC)	117	230	189	405	297	472	146	92	92	265
222	34080	219	227	272	430	351	320	159	140	140	223
223	34081	246	235	162	446	304	299	195	172	172	290
224	34082	260	237	275	491	383	291	191	253	253	130
225	34083	222	250	158	450	304	340	176	129	129	274
226	34084	186	259	140	414	277	283	172	203	203	313
227	34085	319	272	238	395	316	251	187	160	160	288
228	CR Dhan 804	295	225	204	435	319	292	154	104	104	284
229	34086	240	243	102	478	290	253	211	54	54	216
230	34087	136	229	200	400	300	244	220	243	243	196
231	34088	229	239	194	393	293	254	212	133	133	267
232	34089	237	234	244	476	360	319	155	77	77	410
233	34090		245	81	458	269	288	234	103	103	241
234	34091	174	233	257	470	363	259	180	222	222	249
235	34092	290	240	146	464	305	261	228	159	159	207
236	34093	216	250	251	476	363	321	153	156	156	279
237	Zonal Check	146	249	269	502	385	294	148	134	134	223
238	34094	232	243	103	433	268	254	161	145	145	219
239	34095	251	238	226	431	328	259	120	153	153	413
240	34096	252	247	253	484	368	272	168	131	131	225
241	34097	220	241	153	404	279	312	197	196	196	224
242	34098	216	255	174	478	326	321	163	191	191	225
243	34099	156	232	262	495	378	258	137	113	113	297
244	US-314 (Hybrid Check)	129	242	166	463	314	314	191	231	231	323
245	34100	223	231	278	485	381	420	195	204	204	195
246	34101	241	215	245	458	351	312	191	172	172	181
247	34102	173	236	214	423	318	321	204	100	100	199
248	34103	343	238	300	215	257	297	165	144	144	185
249	34104	301	258	222	487	355	239	166	88	88	224
250	IR 64 (Sensitive check)	275	247	288	438	363	353	184	242	242	327
251	34105	209	241	118	450	284	398	227	160	160	277
252	34106	199	237	186	442	314	260	188	63	63	179
253	34107	177	238	259	492	375	376	180	211	211	241
254	34108	131	233	297	422	359	372	156	124	124	331
255	34109	214	225	205	523	364	370	208	153	153	376
256	34110	242	236	217	405	311	294	211	255	255	264
257	34111	210	233	185	518	352	268	198	240	240	197
258	CR Dhan 808	131	237	165	453	309	287	121	113	113	277
259	34112	229	237	141	508	324	262	220	180	180	246
260	34113	220	247	203	496	349	254	204	206	206	239
261	34114	213	233	178	505	341	261	153	177	177	223
262	34115	247	240	151	437	294	321	202	202	202	192
263	Local Check	205	241	256	531	394	275	191	282	282	229
	Exp. mean	229	240	203	453	328	306	182	165	165	232
	CD	90.47	7.68	71.96	76.83	49.78	25.20	51.66	12.1	12.13	9.64531
	CV%	23.67	2	21.28	10.17	9.10	4.93	17.04	4.39	4.39	2.48864

Table 2.5 (Contd.): Number of panicles/m² of entries in IVT EDS Kharif 2025

		Normal					
Entry No	IET No	Zone V (2) mean	Zone VI	Zone VII		Zone VII (2) Mean	Overall Mean (Normal) (7) mean
			GJ	TN	KA		
			VYR	CBT	MGD		
201	34062	223	319	279	344	312	295
202	34063	159	260	311	303	307	255
203	34064	163	205	314	320	317	249
204	34065	190	320	313	328	320	270
205	34066	220	369	356	338	347	313
206	Shabhagidhan (NC)	159	291	385	290	337	275
207	34067	191	263	430	316	373	289
208	34068	186	357	309	307	308	290
209	34069	177	289	366	379	372	318
210	34070	193	315	328	315	321	281
211	34071	199	243	264	299	281	270
212	34072	113	168		340	340	206
213	34073	186	384	407	362	384	309
214	Anjali (ZC for all zone)	177	277	282	278	280	262
215	34074	156	243	344	327	335	264
216	34075	221	274	366	305	335	312
217	34076	179	271	344	331	338	271
218	34077	179	273	363	400	381	294
219	34078	164	333	292	322	307	277
220	34079	160	313	315	363	339	286
221	Vandana(NC)	178	176	260	326	293	244
222	34080	181	313	280	273	276	276
223	34081	231	403	381	338	359	313
224	34082	191	261	323	428	375	308
225	34083	202	243	344	280	312	268
226	34084	258	287	349	403	376	301
227	34085	224	275	399	379	389	304
228	CR Dhan 804	194	333	313	352	333	289
229	34086	135	258	333	336	334	254
230	34087	220	307	273	330	302	278
231	34088	200	275	405	380	392	292
232	34089	243	327	271	323	297	304
233	34090	172	302		303	323	261
234	34091	235	305	276	340	308	302
235	34092	183	294	278	303	290	264
236	34093	217	275	314	356	335	301
237	Zonal Check	178	418	269	368	319	312
238	34094	182	306	264	337	300	258
239	34095	283	287	329	354	341	313
240	34096	178	269	346	379	362	298
241	34097	210	318	388	284	336	281
242	34098	208	310	298	318	308	285
243	34099	205	301	266	331	298	295
244	US-314 (Hybrid Check)	277	327	350	406	378	323
245	34100	199	253	381	309	345	300
246	34101	176	261	294	366	330	282
247	34102	149	279	284	354	319	264
248	34103	164	327	277	328	302	253
249	34104	156	226	384	345	365	282
250	IR 64 (Sensitive check)	284	364	314	343	328	331
251	34105	219	305	308	298	303	274
252	34106	121	317	296	317	306	257
253	34107	226	332	299	276	287	301
254	34108	227	215	274	313	293	282
255	34109	264	405	336	330	333	332
256	34110	260	333	293	350	321	302
257	34111	219	245	271	329	300	283
258	CR Dhan 808	195	260	275	296	285	262
259	34112	213	268	289	317	303	278
260	34113	223	327	338	249	293	294
261	34114	200	402	393	217	305	299
262	34115	197	301	282	361	321	275
263	Local Check	255	260	363	288	325	315
	Exp. mean	199	295	321	330	326	285
	CD	7.98	44.42947	17.3986	56.39	29.23	16.87
	CV%	2.41	9.010797	3.239442	10.25	5.37	3.54

Table 2.5 (Contd.): Number of panicles/m² of entries in IVT EDS Kharif 2025

Entry No	IET No	Moderate drought									Overall (moderate) (6)	Overall (13)
		Zone III				Zone III Mean	Zone V MP	Zone VI		Zone VI (2) Mean		
		OD		OD (2) Mean	JH			MH	GJ			
		CTK	JYP									
201	34062	205	181	193	296	227	320	268	203	235	245	272
202	34063	223	216	219	295	245	236	298	220	259	248	252
203	34064	223	315	269	308	282	262	300	214	257	270	259
204	34065	257	265	261	290	270	234	279	222	250	258	264
205	34066	196	227	211	256	226	311	299	256	277	257	287
206	Shabhagidhan (NC)	281	308	295	332	307	254	305	240	273	287	280
207	34067	238	305	271	312	285	297	330	238	284	286	288
208	34068	241	265	253	325	277	250	245	234	240	260	276
209	34069	230	312	271	254	265	284	265	216	240	260	291
210	34070	252	362	307	284	299	261	279	300	289	290	285
211	34071	239	288	263	286	271	296	307	220	264	273	271
212	34072	230	405	317	265	300	241	299	254	277	282	244
213	34073	182	362	272	348	297	188	264	318	291	277	294
214	Anjali (ZC for all zone)	197	275	236	245	239	295	263	234	248	251	257
215	34074	216	312	264	258	262	328	330	188	259	272	268
216	34075	247	281	264	358	295	231	268	290	279	279	297
217	34076	234	307	270	270	270	276	301	244	273	272	271
218	34077	332	275	303	326	311	293	278	266	272	295	295
219	34078	260	188	224	350	266	272	306	276	291	275	276
220	34079	242	357	300	270	290	218	238	184	211	251	270
221	Vandana(NC)	222	280	251	206	236	278	200	250	225	239	242
222	34080	224	204	214	306	244	260	261	182	222	239	259
223	34081	231	186	208	299	239	275	310	200	255	250	284
224	34082	234	268	251	288	263	342	280	284	282	282	296
225	34083	248	293	270	316	285	272	273	292	282	282	275
226	34084	226	308	267	300	278	251	308	274	291	278	290
227	34085	192	216	204	311	240	238	274	298	286	255	282
228	CR Dhan 804	200	298	249	342	280	303	269	244	256	276	283
229	34086	255	221	238	244	240	246	94	206	150	211	234
230	34087	210	239	224	291	247	260	299	192	245	248	265
231	34088	245	208	226	323	259	301	233	232	232	257	276
232	34089	236	194	215	313	247	238	149	192	170	220	265
233	34090	252	220	236	247	240	252	243	256	249	245	254
234	34091	244	262	253	360	289	268	238	306	272	280	292
235	34092	226	265	245	333	274	268	126	280	203	250	257
236	34093	214	225	219	307	248	234	156	208	182	224	265
237	Zonal Check	270	281	276	260	270	141	150	272	211	229	273
238	34094	209	198	203	319	242	277	128	264	196	232	246
239	34095	191	325	258	307	274	205	148	296	222	245	282
240	34096	210	249	230	317	259	249	230	320	275	262	282
241	34097	245	305	275	325	291	257	237	242	239	268	275
242	34098	242	224	233	275	247	257	151	264	208	235	262
243	34099	235	318	277	302	285	264	195	288	242	267	282
244	US-314 (Hybrid Check)	259	203	231	318	260	283	263	158	211	247	288
245	34100	213	301	257	303	272	297	297	250	273	277	290
246	34101	215	239	227	325	260	241	271	240	256	255	270
247	34102	221	245	233	312	259	248	296	292	294	269	266
248	34103	220	368	294	309	299	191	304	258	281	275	263
249	34104	241	278	260	202	240	232	274	218	246	241	263
250	IR 64 (Sensitive check)	255	317	286	299	290	255	309	274	291	285	309
251	34105	213	348	280	312	291	279	228	288	258	278	276
252	34106	263	268	265	346	292	328	240	294	267	290	272
253	34107	216	307	261	320	281	276	248	218	233	264	284
254	34108	213	301	257	266	260	219	149	218	184	228	257
255	34109	213	355	284	341	303	215	255	276	266	276	306
256	34110	257	159	208	308	241	306	287	250	268	261	283
257	34111	231	265	248	318	271	248	300	218	259	263	274
258	CR Dhan 808	257	332	294	201	263	223	298	216	257	254	259
259	34112	258	357	307	202	272	294	300	172	236	264	272
260	34113	207	221	214	310	246	273	265	290	277	261	279
261	34114	205	243	224	305	251	233	275	336	306	266	284
262	34115	255	308	282	321	295	296	238	298	268	286	280
263	Local Check	233	235	234	354	274	289	301	212	257	271	295
	Exp. mean	232	274	253	298	268	262	255	248	252	261	274
	CD	29.48	28.0	21.5	42.57797	21.57409	85.89	19.94413	51.85427	26.1	19.3	13.41
	CV%	7.61	6.14	5.08	8.555498	4.822493	19.64	4.687128	12.51301	6.2	4.41	2.93

**ADVANCE VARIETY TRIAL 2&1-RAINFED SHALLOW LOWLAND
(AVT 2 & 1-RSL)**

Locations: 13

Test Entries: 17

Checks: Swarna-Sub1 (National), Zonal checks: Pooja (Eastern), Bahadur (North Eastern), Savitri (Southern); Swarna (Central), CR Dhan 801 (yield check) and Local Check

Advanced Variety Trial 2 & 1-Rainfed Shallow Lowland (AVT2&1-RSL), *Kharif*, 2025 was constituted with 25 entries (13 inbred and 04 NIL entries, 04 recipient parents of corresponding NILs and 04 checks viz., National check (Swarna-Sub1), Zonal check (Pooja for Eastern zone, Bahadur for North eastern zone and Savitri for Southern zone Swarna for central zone), yield check (CR Dhan 801) and a local check. Out of the 17 test entries, four were in the 3rd year of testing i.e., IET 31220, 32175, 31246 and IET 31237 (R). Eleven entries, including 09 inbreds and 02 NILs were in 2nd year of testing and 02 NIL entries were in 1st year of testing. The trial was sent across 15 locations in Zone III, IV, V and VII, with data successfully received from 13 locations. The trial could not be carried out at Arundhatinagar due to unavailability of land, while at Sabaur it was damaged by flood. Additionally, data from Karimganj were excluded from the analysis due to low CV. The range of various parameters across the zones is presented in the following table.

Zones	III	IV	V	VII
Zonal mean (kg/ha)	4048 (IET32150R)- 5534 (IET31246)	3443 (IET33264)- 6049 (IET32150R)	4480 (NC)- 5677 (IET33159)	3795 (IET32150R)- 7214 (IET33127)
Exp. Mean (kg/ha)	2717 (GGT)- 6474 (BKG)	4225 (KMJ)- 4902 (TTB)	- 5078 (JBP)	4977 (MGD)- 5916 (PNP)
CV%	11.17 (BNK)- 28.90 (GGT)	2.29 (KMJ)- 8.74 (LMB)	- 5.36 (JBP)	5.90 (PNP)- 6.42 (MGD)
DFF	111 (IETs 33123, 32150R)- 126 (IET32175)	105 (IET33139)- 118 (IET33125, ZC, IET33127)	115 (IET33139)- 154 (IET33127)	102 (LC)- 121 (IET31220)
PH (cm)	101 (IET34117)- 121 (IET33150)	103 (NC)- 125(IET32175)	36 (IET33139)- 106 (IET32150R)	53 (IET34116)- 91 (Pratikshya - RP)
Pan/m 2	238 (IET 33129)- 319 (Pratikshya -RP)	237 (IET33262)- 304 (Pratikshya-RP)	201 (IET33139)- 293 (RP-Sabaur Shree & Pooja)	256 (IET33125)- 331 (Swarnanjali- RP)
DNI (@)	-	KMJ (CV%): 2.29	-	-
Locations considered	07	02	01	02

@DNI-Data not considered due to low/high CV or low experimental mean yield or non-significant F value

Among the entries that completed three years of testing, three entries, IET 33150, IET 33127, and IET 31246 recorded the requisite yield superiority over the best varietal check (NC), their performance over the three years is presented in the table. Among the entries in the second year of testing, seven entries, IET 33150, IET 33127, IET 32150 (R), IET 33159, IET 32134 (R), IET 33125, and IET 33123 recorded requisite yield superiority.

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Performance of the entries with required significant yield superiority over checks in AVT 2 & 1- RSL during Kharif 2025

S.No.	IET No/ Designation /Cross combination	Zonal performance-Yield (kg/ha); Rank				Grain quality (GT / HRR / AC / GC / ASV) & Remarks
		III	IV	V	VII	
Entries in third year of testing						
1	31246 (BRR 2141) IR 74355-CN3/ CN-6-78(TTB-680-Sel.)	--	--	--	6348 (4)*	MS, 61.79 , 20.50, 42.0, 4.0 Superior in Zone-VII
2	31237 (BRR 0222-IR93339:39-B-6-5-B-B-47)	--	--	--	5981(8)*	LS, 54.85 , 20.30, 38.0, 5.0 Superior in Zone-VII
3	32175 (OR 2437-16) Indravati / MTU 1065	--	--	--	5995 (9)*	MB, 54.60 , 20.50, 42.0, 4.0 Superior in Zone-VII
Entries in second year of testing						
1	33150 (CR 4481-1-5-2-2-1)	--	--	5623 (3)*	6331 (5)*	SB, 55.60 , 21.30, 45.0, 4.0 Promoted to AVT-2 -RSL in Zone V, VII
2	33123 (NDR 9549)	--	--	--	6084 (7)*	LS, 55.30 , 20.90, 42.0, 5.0 Promoted to AVT-2 -RSL in Zone VII
3	33125 (CN2163-10-4-1-1-1)	--	--	--	6124 (6)*	SB, 55.60 , 21.50, 43.0, 5.0 Promoted to AVT-2 -RSL in Zone VII
4	33127 (OR 2767-1)	--	--	--	7214 (1)*	SB, 60.24 , 23.60, 43.0, 5.0 Promoted to AVT2-RSL in Zone VII
5	33159 (CR 4413-1-2-1-1-1)	--	--	5677 (1)*	5850 (10)*	MS, 62.40 , 24.60, 45.0, 5.0 Promoted to AVT2-RSL in Zone V, VII
6	32134(R) (NDR 2022-6-4)	--	--	5660 (2)*	5423 (13)*	SB, 56.79 , 22.60, 44.0, 5.0 Promoted to AVT2-RSL in Zone V, VII
7	32150 (R) (RP Bio 4919-NSR 67)	--	6049 (1)*	--	--	SB, 55.40 , 20.30, 50.0, 5.0 Promoted to AVT2-RSL in Zone IV
	YC	4446	4295	4820	5035	
	NC	5288	5239	4480	4624	
	ZC	4952	4253	5050	4990	
	LC	5127	5448	5073	4180	
	CD	300	379	373	319	
	BC+CD	5,588	5,827	5,446	5,354	

2ND year performance of NILs for submergence tolerance

S.No.	IET No/ Designation /Cross combination	Yield Trials				Trait verification		Grain quality (GT / HRR / AC / GC / ASV) & Remarks
		Yield (kg/ha))/ DFF/ PH under normal growing conditions in Bihar		Yield (kg/ha) under submergence stress		Seedling survival (%)		
		2024	2025	2024	2025	2024	2025	
NIL in 2 nd year of testing								
1	33262 (BRR0298): Sabour Shree / Swarna Sub 1	6391*	8176	4966*	5060	77.0	73.0	SB, 61.88 , 23.60, 42.0, 5.0, Promising
2	Sabour Shree (RP)	5617	5009	2104	1250	29.0	12.7	
	Susceptible check (Swarna)			1787	1699	26.5	14.0	
	Susceptible check (MTU 1010)			2168	2172	26.5	23.3	
	CD	578.76	1010.92	1014.34	993.22			

2nd year performance of NIL of Pooja under normal and BPH screening trial (NSN1)

S.No.	Genotype	Yield Trial (2024)							Yield Trial (2025)							Trait verification (2024)							Trait verification (2025)							Grain quality (GT / HRR / AC / GC / ASV) & Remarks
		Yield (kg/ha) under normal growing conditions							Yield (kg/ha) under growing conditions							BPH score							BPH score							
		III	IV	V	VII	Overall	III	IV	V	VII	Overall	CBT	LDN	MND	MTU	Mean	CBT	CTC	GNV	LDN	MND	MTU	PNT	Mean						
1	33264 (CR 4696-2-15-32-82); Pooja*4 /CR 3006-8-2	5755*	4097	4267*	3702	4342	4777	3443	4967	4819	4578	NT	3.0	NT	1.0	2.0	8.6	3.0	3.0	3.3	5.0	5.0	1.0	4.1	SB, 62.54, 24.10, 42.0, 4.0, Yield is at par in Z-V, Repeat as NIL is showing moderately tolerant reaction					
2	Pooja (RP)	4712	4943	2656	4029	4443	5338	4692	4970	6574	5289	9.0	7.6	7.0	NG	7.87	7.0	7.0	5.0	NG	5.0	7.0	1.0	5.3						
	CD	333.43	575.63	390.5	512.74	218.89	300.06	378.5	372.8	318.7	188.5																			

1st year performance of NIL for submergence tolerance during Kh-2025

S.No.	Genotype	Yield Trials			Trait verification	Grain quality (GT / HRR / AC / GC / ASV) & Remarks
		Yield (kg/ha)/ DFF/ PH under normal growing conditions in Odisha	Yield (kg/ha) under submergence stress	Seedling survival (%)		
1	34116 (CR 6550): Pratikshya (RP)*Swarna Sub1	4438	4123	63.0	63.0	SB, 62.37, 24.30, 46.0, 5.0, Trait not verified Dropped
2	Pratikshya (RP)	5003	3433	52.0	52.0	
	Susceptible check (Swarna)		962	9.0	9.0	
	Susceptible check (MTU 1010)		1641	22.0	22.0	
	CD	728.3	1169.0	20.48	20.48	

Three-year (2022 to 2025) performance of the entries in AVT2-RSL ecology: Three out of four entries completed three years of testing with required significant yield advantage in the third year of testing over the checks. Yield performance along with ranks across three years in various zones for all the four entries in the third year of testing in 2025 in AVT 2 & 1, IVT-RSL trial is given in the following table.

Thee-years (2022 to 2025) performance of the entries in RSL ecology

IET No	Year	III	IV	V	VII	Remarks
32175/ OR 2437-16	2025	-	-	-	5995 (9)*	Promising in Zones VII,
	2024	-	-	-	5795 (1)*	
	2023	-	6235 (9)	-	5843 (1)*	
31246/ BRR 2141	2025	-	-	-	6348 (4)*	Superior in Zone VII in AVT-2
	2024	-	-	-	5508 (1)	
	2023	5248 (1)	5300 (8)	-	-	
31237(R)/ BRR 0222- IR93339:39-B- 6-5-B-B-B-47	2025	-	-	-	5981 (8)*	Promising in Zones VII
	2024	5757 (3)	5110 (7)	-	4653 (5)*	
	2023	-	6016 (2)*	-	-	
	2022	5642 (3)*	-	-	-	

Performance of NIL entries during *Kharif*, 2025

The 2nd year NIL, IET 33262 (BRR0298) recorded yield superiority over RP (Sabaur Shree) under yield and submergence trial with statistically superior survivability during 2024 and 2025 in Bihar, and also had requisite grain quality parameters, thus promising. Besides, 2nd year NIL, IET33264 (CR 4696-2-15-32-82) also recorded at par yield with RP (Pooja) in Zone V along with standard grain quality parameters, however under trait verification it is found moderate BPH tolerant, thus, repeated. First year NIL, IET 34116 (CR 6550) recorded at par yield with RP (Pratikshya) in yield and submergence trials, however, trait was not verified, thus dropped.

SUMMARY

ADVANCE VARIETY TRIAL 2& 1-RSL (AVT 2& 1 - RSL)

Locations: 12

Test entries: 17

Checks: Swarna-Sub1 (National), Zonal checks: Pooja

(Eastern), Bahadur (North Eastern), Savitri (Southern); Swarna (Central), CR Dhan 801 (yield check) and Local Check

List of the entries performed superior in AVT2-RSL:

- IET 31246 (BRR 2141): Superior in Zone VII in AVT-2
- IET 32175 (OR 2437-16): promising in Zones VII
- IET 31237(R) (BRR 0222-IR93339:39-B-6-5-B-B-B-47): promising in Zones VII
- Entries promoted to third year of testing (from AVT1-RSL to AVT2-RSL): seven (07)
- Zone III: None
- Zone IV: IET32150 (R)
- Zone V: IET 33150, IET 33159, IET 32134(R)
- Zone VII: IET 33150, IET 33123, IET 33125, IET 33127, IET 33159, IET 32134(R)
- NILs entries promoted:
- IET 33262 (submergence tolerant) promising in Bihar

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- IET 32264 (BPH tolerant) repeated as NIL and RP recorded moderate tolerance
- IET 34116 (submergence tolerant) repeated in Odisha

Table No. 3.1.: Composition of entries in Advance Variety Trial 2&1–Rainfed Shallow Lowland (AVT 2&1- RSL), Kharif 2025

Entry No	IET No.	Designation	Cross combination	Grain Type
3rd year of testing				
301	31220	BRR 2228	BRR2028 * S Shree	MB
302	32175	OR 2437-16	Indravati / MTU 1065	MB
303	Swarna Sub 1 (NC)			
304	31246	BRR 2141	IR 74355-CN3/ CN-6-78 (TTB-680-Sel.)	MS
305	CR Dhan 801 (Yield check)			
306	31237(R)	BRR 0222-IR93339:39-B-6-5-B-B-B-47	IR 77298-14-1-2-10/SANHUANGZHAN NO2//IR 45427-2B-2-2B-1-1/NSIC RC	LS
2nd year of testing				
307	33150	CR 4481-1-5-2-2-1	CR3783-3-2-1-1-1-1/CR4476-7-1-1-1-1-1	SB
308	33123	NDR 9549	IR 68815-51-PMI-2-UBN-7-1-6-2/NDR 8002	LS
309	33125	CN2163-10-4-1-1-1	OLS 181 / Shatabdi	MB
310	Pooja (Eastern), Bahadur (North Eastern), Savitri (Southern), Swarna (Central) ZC			
311	33127	OR 2767-1	Gayatri / FL-496 / R49830-7	MB
312	33129	CR 3984-2-1-1-2	CR3624-2(NPT-305)/CRMAS2232-85	MS
313	33139	ORJ 1357	Mrunalini/Swarna	MB
314	33159	CR 4413-1-2-1-1-1	CR 3759-1-1-2-1-1-1/CR3504-7-2-2-1-1-1	MB
315	32134(R)	NDR 2022-6-4	NDR 8002/NDR 9730018	LB
316	32150(R)	RP Bi,lo 4919-NSR 67	KMR 3/O.rufipogon WR 120	LS
NIL 2nd Year of testing:				
317	33264	CR 4696-2-15-32-82	Pooja*4 /CR 3006-8-2	MS
318	Sabour Shree (RP)			
319	Pooja (RP)			
320	33262	BRR0298	Sabour Shree X Swarna Sub 1	MS
NIL 1st Year of testing:				
321	Swarnanjali (RP)			
322	34116	CR 6550	Pratikshya (RP)*Swarna Sub1	MS
323	34117	CR 4169-200-98-1	Swarnanjali*CR Dhan 800	SB
324	Pratikshya (RP)			
325	Local Check			

Table No 3.2: Grain Yield (Kg/ha) of entries in in Advance Variety Trial 2&1–Rainfed Shallow Lowland (AVT 2&1- RSL), Kharif 2025

Entry No	IET No	Zone III															Zone III(7)							
		OD			OD(I)		WB		WB(2)		BI		UP			UP(2)								
		CTK	BBN		mean		CHN	BNK	mean	BKG	GGT	MSD			mean	mean								
301	31220	6344	3	4926		5635	8	5873	2	4800		5336	5	9080	1	1968	10	3412		2690		5200	9	
302	32175	6180	6	6074	3	6127	2	4864		4356		4610		3285				5469		1	5469	1	5038	
303	Swarna Sub 1 (NC)	6051	7	5919	6	5985	5	5478		4483		4981		8202	7	1642		5243		6	3442		5288	7
304	31246	6641	2	6615	1*	6628	1	5700	7	6083	1	5892	1	8745	2	1961		2992			2477		5534	1
305	CR Dhan 801 (Yield check)	5700	9	4000		4850		5116		4678		4897		6168		2216	8	3243			2730		4446	
306	31237(R)	2756		4452		3604		5045		5994	2	5520	3	7738		1989	9	3508			2749		4497	
307	33150	5414		6000	4	5707	7	5863	3	4439		5151		8275	6	3936	1	4015			3976	7	5420	4
308	33123	5131		3993		4562		5291		4906	8	5099		7242		1908		5333		4	3620		4829	
309	33125	5697	10	6519	2	6108	3	5969	1	4600		5285	7	7561		3280	2	4779			4030	5	5486	3
310	Zonal Check	5482		4119		4800		5633	9	5633	3	5633	2	4904				3939			3939	8	4952	
311	33127	5410		5244	10	5327		5119		4617		4868		7192				4877			4877	3	5410	5
312	33129	4538		4541		4539		5420		4361		4891		8370	4	1738		3912			2825		4697	
313	33139	5869	8	1370		3620		5700	8	4706		5203	9	8680	3			4861			4861	4	5198	10
314	33159	4509		5548	7	5029		5831	4	4489		5160		5890		1723		4165			2944		4594	
315	32134(R)	3907		4259		4083		5225		5100	5	5163	10	6732		1968	10	5273		5	3620		4638	
316	32150(R)	5039		4185		4612		5026		4950	7	4988		2547		1667		4921			3294		4048	
317	33264	4968		4296		4632		4757		4722		4740		6949		2287	7	5461		2	3874	10	4777	
318	Sabour Shree (RP)	5194		5333	9	5264		5819	5	4883	9	5351	4	5009		1476		4277			2876		4570	
319	Pooja (RP)	6837	1	4148		5493	9	5095		4756		4925		7775	10	2979	4	4378			3678		5138	
320	33262	6197	5	6000	4	6098	4	5314		4817		5065		8176	8	1623		5338		3	3481		5352	6
321	Swarnajali (RP)	6209	4	5519	8	5864	6	5733	6	4739		5236	8	8286	5	3085	3	4945		10	4015	6	5502	2
322	34116	4357		4519		4438		5568		5094	6	5331	6	5942		2625	6	5052		8	3839		4737	
323	34117	4559		5089		4824		4695		4822	10	4759		7103		-		3265			3265		4922	
324	Pratikshya (RP)	5153		4852		5003		4711		4711		4711		6305		-		5025		9	5025	2	5209	8
325	Local Check	5665		4148		4906		5056		5156	4	5106		8060	9	2717	5	5090		7	3903	9	5127	
	Exp. mean	4851.4		4426.67		4639.01		4935.6		4509.56		4935.57		6474.01		2148.1		4155.7			3659.9		4984.4	
	CD	1131.4		622.53		728.29		596.7		689.54		465.75		1010.9		855.9		731.1			640.7		300.1	
	CV%	17.03		10.27		11.46		8.82		11.17		7.21		11.40		28.90		12.85			12.78		4.40	
	F statistics @5%	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	D/S	25.06.2025		26.06.2025			24.06.25	01-07-2025			28-06-2025			07-12-2025			21.07.2025							
	D/P	30.07.2025		24.07.2025			19.08.25	18-08-2025			07-08-2025			Direct Seeded			22.08.2025							
	Local Check Name	CR DHAN 803		Ashutosh			Sujala	Dhruva			Sabour Heera			ambha Mahsuri			ambha Mahsuri-Sub I							

Table No 3.2 (contd.): Grain Yield (Kg/ha) of entries in Advance Variety Trial 2&1–Rainfed Shallow Lowland (AVT 2&1– RSL), Kharif 2025

Entry No	IET No	Zone IV						Zone IV (2)		Zone V		Zone VII				Zone VII(2)		Overall (12)		
		AS			AS (1)		TP		mean	MP	JBP	KA		MGD	KA (2)		mean			
		TTB	KMJ@	mean	mean	LMB	mean	PNP				KA	mean		mean					
301	31220	5404	9	4208		5404	9	4148		4776		4750		5417		3821		4619		4995
302	32175	7098	1*	4466		7098	1*	3972		5535	2	4553		5072		6838	2*	5955	9*	5251
303	Swarna Sub 1 (NC)	6414	3	4596	6	6414	3	4065		5239	8	4480		5375		3873		4624		5102
304	31246	3111		3535		3111		3917		3514		5027		6528	9	6168	4*	6348	4*	5291
305	CR Dhan 801 (Yield check)	3155		4478	9	3155		5435	2	4295		4820		5569		4500		5035		4550
306	31237(R)	3354		3574		3354		4630	10	3992		5057		5806		6156	5*	5981	8*	4707
307	33150	5626	7	4025		5626	7	4944	6	5285	7	5623	3*	7361	3*	5301	11*	6331	5*	5567
308	33123	5650	6	3902		5650	6	5167	3	5408	4	4980		6542	8	5626	7*	6084	7*	5147
309	33125	4663		3925		4663		2939		3801		5223	9	6007		6242	3*	6124	6*	5290
310	Zonal Check	4764		3943		4764		3741		4253		5050		6215	10	3778		4996		4842
311	33127	3593		4392		3593		4454		4023		4693		7368	2*	7061	1*	7214	1*	5421
312	33129	4158		4468	10	4158		4481		4320		5247	8	4931		4884		4907		4715
313	33139	5603	8	4058		5603	8	4989	5	5296	6	5070		4674		4087		4380		5055
314	33159	4808		4545	7	4808		4694	9	4751		5677	1*	6111		5590	8*	5850	10*	4920
315	32134(R)	4835		5074	1	4835		4787	7	4811	10	5660	2*	5625		5222	12*	5423	13*	4883
316	32150(R)	6219	4	3661		6219	4	5880	1	6049	1*	4673		2340		5449	9*	3895		4408
317	33264	3785		3597		3785		3102		3443		4967		5694		3943		4819		4578
318	Sabour Shree (RP)	3572		4530	8	3572		4537		4055		5600	4*	6569	7	4688		5629	11*	4747
319	Pooja (RP)	4987		4798	2	4987		4398		4692		4970		7813	1*	5336	10*	6574	3*	5289
320	33262	5323	10	3607		5323	10	4167		4745		4860		5708		4095		4902		5135
321	Swarnajali (RP)	4650		4091		4650		4167		4408		5300	7	6736	6	3730		5233		5258
322	34116	5300		4066		5300		4731	8	5016	9	5443	6	7222	4*	6006	6*	6614	2*	5155
323	34117	4185		4608	5	4185		4343		4264		4667		6875	5*	4159		5517	12*	4887
324	Pratikshya (RP)	6468	2	4704	4	6468	2	4250		5359	5	5497	5*	5799		4062		4930		5212
325	Local Check	5818	5	4783	3	5818	5	5078	4	5448	3	5073	10	4545		3816		4180		5018
	Exp. mean	4901.7		4225.4		4901.7		4440.6		4671.1		5078.4		5916.1		4977.2		5446.7		5016.9
	CD	555.5		132.3		555.5		531.3		378.5		372.8		477.9		437.8		318.7		188.5
	CV%	8.28		2.29		8.28		8.74		5.92		5.36		5.90		6.42		4.27		2.74
	F statistics @5%	S		S		S		S		S		S		S		S		S		S
	D/S	07.07.2025		12-07-2025				19-07-2025				26-06-2025		25.07.2025		22.07.25				
	D/P	04.08.2025		10-08-2025				18-08-2025				19-07-2025		23.08.2025		12.08.25				
	Local Check Name	Surma Dhan		Bahadur				Gomati				Kranti		Tunga		Abhilash				

Table No. 3.2 (Contd.): Grain Yield (Kg/ha) in AVT 2 & 1 – RSL, Kharif 2025 (Not considered)

Entry No	IET No	Zone IV	
		AS	
		@Karimganj	
301	31220	4208	
302	32175	4466	
303	Swarna Sub 1 (NC)	4596	6
304	31246	3535	
305	CR Dhan 801 (Yield check)	4478	9
306	31237(R)	3574	
307	33150	4025	
308	33123	3902	
309	33125	3925	
310	Zonal Check	3943	
311	33127	4392	
312	33129	4468	10
313	33139	4058	
314	33159	4545	7
315	32134(R)	5074	1
316	32150(R)	3661	
317	33264	3597	
318	Sabour Shree (RP)	4530	8
319	Pooja (RP)	4798	2
320	33262	3607	
321	Swarnanjali (RP)	4091	
322	34116	4066	
323	34117	4608	5
324	Pratikshya (RP)	4704	4
325	Local Check	4783	3
	Exp. mean	4225.4	
	CD	132.3	
	CV%	2.29	
	F statistics @5%	S	
	D/S	12-07-2025	
	D/P	10-08-2025	
	Local Check Name	Bahadur	

Table No. 3.3: Days to 50 % flowering of entries in Advance Variety Trial 2&1–Rainfed Shallow Lowland (AVT 2&1- RSL), Kharif 2025

Entry No	IET No	Zone III										Zone III(7) mean
		OD		OD(1)	WB		WB(2)	BI	UP		UP(2)	
		CTK	BBN	mean	CHN	BNK	mean	BKG	GGT	MSD	mean	
301	31220	121	112	116	131	103	117	120	123	118	120	118
302	32175	130	129	130	140	100	120	137	-	119	119	126
303	Swarna Sub 1 (NC)	118	118	118	132	102	117	119	126	119	123	119
304	31246	117	104	111	131	103	117	122	116	126	121	117
305	CR Dhan 801 (Yield check)	118	104	111	127	104	116	109	121	124	123	115
306	31237(R)	114	104	109	126	100	113	122	118	128	123	116
307	33150	113	106	110	117	106	112	120	121	121	121	115
308	33123	113	103	108	122	111	116	110	98	118	108	111
309	33125	120	115	117	132	104	118	106	125	117	121	117
310	Zonal Check	129	121	125	117	97	107	122	-	122	122	118
311	33127	124	115	120	135	104	119	120	-	116	116	119
312	33129	118	108	113	132	105	118	123	127	122	124	119
313	33139	137	89	113	122	105	113	120	-	124	124	116
314	33159	116	105	110	129	104	116	125	119	122	121	117
315	32134(R)	120	94	107	125	104	114	112	119	119	119	113
316	32150(R)	113	96	105	123	102	112	117	106	122	114	111
317	33264	129	93	111	131	100	116	121	132	112	122	117
318	Sabour Shree (RP)	121	105	113	125	103	114	112	125	121	123	116
319	Pooja (RP)	128	120	124	131	107	119	121	132	121	126	123
320	33262	115	102	108	123	103	113	115	117	123	120	114
321	Swarnanjali (RP)	118	106	112	132	101	116	110	121	120	121	115
322	34116	122	121	122	131	100	115	115	129	124	127	120
323	34117	121	107	114	135	103	119	120	-	125	125	118
324	Pratikshya (RP)	128	106	117	-	109	109	121	-	116	116	116
325	Local Check	125	109	117	123	101	112	117	112	117	115	115
	Exp. mean	121	107	114	128	103	115	118	120	121	121	117
	CD	9.87	0.53	4.92	5.44	2.77	3.32	0.86	6.05	1.72	2.79	2.06
	CV%	5.95	0.36	3.14	3.11	1.96	2.11	0.53	3.64	1.04	1.69	1.29

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Table No. 3.3: (contd.) Days to 50 % flowering of entries in Advance Variety Trial 2&1– Rainfed Shallow Lowland (AVT 2&1- RSL), Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2)	Zone V	Zone VII			Zone VII(2)	Overall (12)
		AS		AS (1)	TP			KA		KA (2)		
		TTB	@KMJ	mean	LMB			PNP	MGD	mean		
301	31220	113	112	113	107	110	128	120	122	121	121	120
302	32175	131	117	131	104	117	149	115	125	120	120	120
303	Swarna Sub 1 (NC)	114	115	114	116	115	138	114	123	119	119	119
304	31246	117	112	117	113	115	130	114	102	108	108	108
305	CR Dhan 801 (Yield check)	110	116	110	106	108	129	114	105	110	110	110
306	31237(R)	111	110	111	106	108	131	115	107	111	111	111
307	33150	115	112	115	106	110	129	115	108	111	111	111
308	33123	110	110	110	123	117	127	116	102	109	109	109
309	33125	117	115	117	118	118	130	112	117	115	115	115
310	Zonal Check	119	113	119	117	118	136	115	123	119	119	119
311	33127	124	110	124	111	118	154	113	108	111	111	111
312	33129	111	114	111	113	112	138	113	121	117	117	117
313	33139	105	110	105	106	105	115	115	113	114	114	114
314	33159	117	109	117	104	110	130	113	107	110	110	110
315	32134(R)	107	106	107	116	111	128	115	107	111	111	111
316	32150(R)	109	109	109	106	108	129	115	109	112	112	112
317	33264	114	111	114	105	109	128	114	109	112	112	112
318	Sabour Shree (RP)	111	113	111	107	109	126	115	112	114	114	114
319	Pooja (RP)	115	110	115	105	110	129	115	107	111	111	111
320	33262	107	115	107	112	110	129	112	111	112	112	112
321	Swarnanjali (RP)	114	113	114	108	111	131	94	124	109	109	109
322	34116	115	110	115	106	110	128	114	110	112	112	112
323	34117	121	114	121	112	116	142	114	124	119	119	119
324	Pratikshya (RP)	115	111	115	108	112	127	116	91	103	103	103
325	Local Check	112	112	112	108	110	115	107	96	102	102	102
	Exp. mean	114	112	114	110	112	131	113	111	112	112	112
	CD	1.51	0.53	1.51	1.85	1.34	1.15	1.93	2.31	1.56	1.56	1.59
	CV%	0.97	0.35	0.97	1.23	0.87	0.64	1.24	1.52	1.02	1.02	1.04

Table 3.5: Number of Panicles/m2 of entries in Advance Variety Trial 2&1–Rainfed Shallow Lowland (AVT 2&1–RSL), Kharif 2025

Entry No	HET No	Zone III										Zone		Zone IV			Zone IV (2)			Zone V		Zone VII		Zone VII(2) mean	Overall (12) mean
		CTK	BEN	OD	OD(1) mean	CHN	BNK	WB	WB(2) mean	BKG	UP	UP(2) mean	III(7) mean	AS	AS (1) mean	TP	mean	JBP	PNP	KA	MGD	KA (2) mean			
301	31220	292	197	244	253	328	291	349	131	220	175	253	266	197	266	325	296	228	219	314	267	267	260		
302	32175	220	276	248	242	398	320	315	94	254	174	257	310	220	310	275	293	249	205	406	305	305	270		
303	Swarna Sub I (NC)	290	281	285	308	402	355	342	112	209	161	278	292	219	292	250	271	243	217	410	313	313	280		
304	31246	353	298	326	209	389	299	316	130	140	135	262	271	178	271	242	256	270	264	350	307	307	269		
305	CR Dhan 801 (Yield check)	246	215	231	275	319	297	350	114	211	163	247	311	225	311	267	289	269	225	382	303	303	265		
306	31237(R)	286	241	264	209	343	276	362	113	161	137	245	277	205	277	258	268	233	235	315	275	275	253		
307	33150	253	235	244	242	360	301	375	131	219	175	259	311	208	311	233	272	228	298	334	316	316	268		
308	33123	324	302	313	286	376	331	402	133	198	166	289	283	198	283	242	263	233	265	360	312	312	283		
309	33125	229	227	228	198	307	253	371	127	225	176	241	305	240	305	250	278	222	243	269	256	256	248		
310	Zonal Check	281	252	267	231	406	319	337	107	192	149	258	301	223	301	283	292	241	251	334	292	292	268		
311	33127	293	251	272	275	340	308	382	86	186	136	259	284	224	284	242	263	221	298	338	318	318	266		
312	33129	213	206	210	242	351	297	348	98	206	152	238	225	242	225	300	262	217	222	325	273	273	246		
313	33139	242	197	220	275	352	314	342	-	219	219	271	254	220	254	258	256	201	230	332	281	281	264		
314	33159	352	266	309	253	340	296	337	127	192	160	267	323	245	323	242	283	256	247	349	298	298	274		
315	32134(R)	271	279	275	308	410	359	326	97	270	183	280	294	246	294	233	264	267	227	359	293	293	278		
316	32150(R)	429	286	357	286	285	285	357	123	236	179	286	314	201	314	275	295	241	222	386	304	304	287		
317	33264	235	271	253	308	330	319	338	122	255	189	266	288	201	288	250	269	290	230	366	298	298	274		
318	Sabour Shree (RP)	376	283	330	242	350	296	300	89	228	158	267	301	258	301	258	280	293	266	329	297	297	276		
319	Pooja (RP)	272	296	284	308	383	345	371	121	251	186	286	282	237	282	192	237	293	316	342	329	329	286		
320	33262	308	221	264	231	303	267	358	96	253	175	253	288	186	288	200	244	231	231	366	298	298	257		
321	Swarnajali (RP)	281	210	245	275	355	315	374	125	195	160	259	292	224	292	275	283	272	272	390	331	331	276		
322	34116	347	265	306	308	359	334	401	117	233	175	290	284	206	284	192	238	280	292	313	302	302	283		
323	34117	229	270	250	352	334	343	405	125	177	151	270	267	256	267	250	259	272	278	359	319	319	276		
324	Pratikshya (RP)	334	288	311	-	343	343	378		252	252	319	333	225	333	275	304	256	234	342	288	288	303		
325	Local Check	328	259	294	264	376	320	332	139	241	190	277	265	236	265	292	279	231	255	393	324	324	281		
	Exp. mean	291	255	273	266	368	324	369	115	236	186	290	314	240	314	276	295	271	271	381	326	326	295		
	CD	32	24	19	43	28	26	27	26	25	19	12	22	7	22	32	18	8	24	24	17	17	8		
	CV%	8	7	5	12	6	6	6	17	8	8	3	5	2	5	8	4	2	6	5	4	4	2		

Table No. 3.6: Grain Quality characteristics of entries in Advance Variety Trial 2&1–Rainfed Shallow Lowland (AVT 2&1- RSL), Kharif 2025

Entry No.	IET No	Hull %	Mill%	HRR%	Moist%	Chalkiness	KL(mm)	KB(mm)	L/B	GT	ASV	WUml/100g	VER	ER	KLAC/mm	Amy %	GC (mm)
301	31220	79.43	65.25	52.04	12.30	Ab	5.10	2.48	2.06	SB	5.00	340.00	4.25	1.65	8.40	22.60	41.00
302	32175	75.59	56.13	54.60	12.60	VOC	5.77	2.43	2.37	SB	4.00	340.00	4.25	1.80	10.40	20.50	42.00
303	Swarna Sub 1 (NC)	79.09	66.05	60.29	11.50	Ab	5.08	2.22	2.29	SB	6.00	340.00	4.25	1.77	9.00	24.10	45.00
304	31246	78.07	65.51	61.79	12.10	Ab	5.48	2.15	2.55	MS	5.00	360.00	4.50	1.59	8.70	21.20	43.00
305	CR Dhan 801 (Yield check)	78.79	66.17	57.60	12.10	Ab	5.43	2.22	2.45	SB	6.00	320.00	4.00	1.58	8.60	22.50	41.00
306	31237(R)	76.24	59.74	54.85	11.80	Ab	7.09	2.21	3.21	LS	5.00	320.00	5.33	1.33	9.40	20.30	38.00
307	33150	76.03	61.06	55.60	12.10	Ab	4.93	2.42	2.04	SB	4.00	320.00	4.00	1.62	8.00	21.30	45.00
308	33123	77.45	62.08	55.30	12.80	Ab	6.61	2.09	3.16	LS	5.00	340.00	4.25	1.45	9.60	20.90	42.00
309	33125	78.67	65.37	55.60	12.10	Ab	4.99	2.50	2.00	SB	5.00	320.00	4.00	1.74	8.70	21.50	43.00
310	Zonal Check	78.30	64.27	61.86	12.10	Ab	5.06	2.17	2.33	SB	5.00	320.00	4.00	1.94	9.80	24.50	45.00
311	33127	79.86	64.99	60.24	12.20	Ab	5.05	2.41	2.10	SB	5.00	320.00	4.00	1.98	10.00	23.60	43.00
312	33129	79.59	65.42	56.30	12.80	Ab	5.14	2.49	2.06	SB	4.00	340.00	4.25	1.61	8.30	22.60	42.00
313	33139	77.87	64.47	52.22	11.90	Ab	5.42	2.35	2.31	SB	4.00	320.00	3.20	1.49	8.10	21.30	46.00
314	33159	76.91	64.30	62.40	12.40	Ab	5.36	1.98	2.71	MS	5.00	340.00	4.25	1.60	8.60	24.60	45.00
315	32134(R)	76.68	62.98	56.79	12.20	Ab	5.13	2.24	2.29	SB	5.00	320.00	4.00	1.64	8.40	22.60	44.00
316	32150(R)	80.03	66.27	55.40	12.80	Ab	5.18	2.20	2.35	SB	5.00	300.00	3.70	1.80	9.30	20.30	50.00
317	33264	77.21	65.11	62.54	12.30	Ab	5.19	2.29	2.27	SB	4.00	340.00	4.25	1.58	8.20	24.10	42.00
318	Sabour Shree (RP)	77.90	65.39	59.51	12.00	Ab	5.51	2.14	2.57	MS	5.00	300.00	3.75	1.54	8.50	24.60	46.00
319	Pooja (RP)	77.95	64.85	52.24	12.40	Ab	5.05	2.13	2.37	SB	5.00	320.00	4.00	1.64	8.30	21.60	41.00
320	33262	77.54	63.99	61.88	11.90	Ab	5.21	2.10	2.48	SB	5.00	340.00	4.25	1.61	8.40	23.60	42.00
321	Swarnajali (RP)	78.55	64.98	58.38	12.60	Ab	5.15	2.26	2.28	SB	5.00	320.00	4.00	1.65	8.50	24.60	45.00
322	34116	77.82	64.91	62.37	12.30	Ab	5.21	2.09	2.49	SB	5.00	320.00	4.00	1.59	8.30	24.30	46.00
323	34117	78.86	66.13	61.66	12.90	Ab	5.10	2.18	2.34	SB	5.00	320.00	4.00	1.71	8.70	23.40	42.00
324	Pratiksha (RP)	78.27	64.47	60.57	13.10	Ab	5.09	2.16	2.36	SB	5.00	340.00	4.25	1.65	8.40	23.10	43.00
325	Local Check	77.70	63.30	58.79	11.90	Ab	5.17	2.16	2.39	SB	5.00	340.00	4.25	1.62	8.40	23.70	45.00

Note: HULL: Hulling (%) MILL: Milling (%) HRR: Head Rice Recovery KL: Kernal length (mm) KB: Kernal Breadth (mm) L/B : Length and Breadth (mm) KLAC: Kernal length after cooking, WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value AC: Amylose Content GC: Gel consistency

INITIAL VARIETY TRIAL-RAINFED SHALLOW LOWLAND (IVT-RSL)

Locations: 14

Test Entries: 56

Checks: Swarna-Sub1 (National), Yield Check (CR Dhan 801), Zonal checks: Pooja (Eastern), Bahadur (North Eastern), Savitri (Southern), Swarna (Central) and Local Check

The trial was constituted with 60 entries including four checks viz., National (Swarna Sub1), Zonal (Pooja, Bahadur, Savitri, Swarna), Yield Check (CR Dhan 801) and local checks (Table 4.1). The trial was sent to 14 locations. Data were received from 13 locations except Sabour which was reported to be damaged due to flood. Eleven locations were considered for data analysis. Other three locations were not considered for data analysis due to low CV% of Karimganj (2.65) and low mean yield of Ghaghraghat (1543.88 kg/ha) and high CV (40.42).

The analyzed data of trial was evaluated at 11 locations viz. Bhubaneswar, Cuttack, Chinsura, Bankura, Bikramganj, Masodha, Titabar, Lembucherra, Jabalpur, Ponnampet, and Mugad. Experimental mean yield at the locations ranged from 1544 kg/ha (Ghaghraghat) to 5523 kg/ha (Cuttack) and CV % ranged from 6.20 (Ponnampet) to 15.76 (Masodha). Mean yield of the entries ranged from 3382 kg/ha (IET 34170) to 5414 kg/ha (IET 34147); days to 50% flowering ranged from 103 days (IET 34148) to 123 days (IET 34122); plant height ranged from 86 cm (IET 34122) to 128 cm (IET 34119) and panicles per square meter ranged from 251 (IET 34165) to 305 (IET 34126). The data pertaining to yield, days to 50% flowering, plant height and number of panicles/m² are presented in Tables 4.2-4.5.

The range of various parameters across the zones is presented in the following table.

Zones	III	IV	V	VII
Zonal mean (kg/ha)	3748.98 (IET 34166)- 5481.75 (IET 34141)	3117.42 (IET 34170)- 7161.87 (IET 34147)	2445.96 (IET 34168) - 6270.64 (IET 34122)	3344.68 (IET 34131) - 5280.08 (IET 34160)
Exp Mean (kg/ha)	3851.20(BKG) 4713.28 (MSD)	4090.46 (LMB) 4982.74 (TTB)	5355.91 (JBP)	3129.21 (PNP) 5335.32 (MGD)
CV%	9.54 (BKG) 15.76 (MSD)	6.42 (TTB) 8.49 (LMB)	6.62 (JBP)	6.20 (PNP) 8.15 (MGD)
DFP	103.5 (IET 34118) 124.7 (IET 34122)	95 (IET 34171) 120.5 (IET 34164)	112.5 (IET 34168, 34133, 34138 & 34118) 148 (IET 34137)	102 (IET 34138) 130 (IET 34122)
PH (cm)	96 (IET 34161) 143 (IET 34119)	81 (IET 34170) 149 (IET 34147)	44 (IET 34122) 108 (IET 34119)	56 (IET 34126) 86 (IET 34173)
Pan/m ²	229.5 (IET 34172) 310.08 (IET 34121)	221.5 (IET 34171) 317.75 (IET 34132)	177.35 (IET 34143) 386.39 (IET 34122)	271.5 (IET 34124) 376.25(IET 34134)
Locations considered	6	2	1	2

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Performance of entries

In Zone III, Zone V and Zone VII no entry is found significantly superior to the best varietal check.

Zone-IV was represented by three locations (Titabar, Karimganj, Lembucherra) spread across two states Assam and Tripura. The mean grain yield of the entries in Zone IV varied from 3117 kg/ha (IET 34170) to 7162 kg/ha (IET 34147), days to 50% flowering ranged from 95 days (IET 34171) to 120 days (IET 34164), plant height ranged from 81 cm (IET 34170) to 149 cm (IET 34147) and mean panicles/m² varied from 221 (IET 34171) to 317 (IET 34132). Among the test entries, IET 34147 (7162 kg/ha) with 114 days to 50% flowering recorded significant yield superiority over the best check (BVC + CD at 5%). Therefore, this entry (IET 34147) is promoted to AVT-1 under Zone IV.

Zonal performance of promising entry in IVT-RSL, 2025

IET No	Designation Cross	Grain yield (kg/ha) FDD	Remarks
		Zone IV	
34147	CR 4473-4-3-1-1 Kasalath/ Lalat	7162 114	Promoted for Zone IV
Swarna Sub 1 (NC)		4851 111	
Zonal check (ZC)		5234 112	
Local Check		5653 112	
CR Dhan 801 (YC)		4390 101	
CD (at 5%)		422	

Promoted to AVT-1 RSL based on zonal basis:

- Zone IV- IET 34147

Table 4.1: Composition of entries in Initial Variety Trial–Rainfed Shallow Lowland (IVT - RSL), Kharif 2025

Entry No	IET No	Designation	Cross combination	Grain Type
401	34118	RP 5286-KS 2202-32 (RP 2586-3-1-1-1-B)	Swarna/Malaysia//Swarna	MS
402	34119	CN 2164-92-3-2-1-1	Shatabdi/KMR3	LB
403	34120	CRAC-6466-39-3	Doubled Haploid of CR Dhan 800x Daftari1008// CR Dhan 801x Daftari1008	MB
404	34121	TTB1381-6-2	IRGC 25510/Gitesh/IRGC 18222/Gitesh*2	SB

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Entry No	IET No	Designation	Cross combination	Grain Type
405	34122	CR 4346-18-2-2-1	Pooja / Jasmine 85	LS
406	Swarna Sub 1 (NC)			
407	34123	CR-4169-19-1-B	SWARNAJALI/CR DHAN-800	MS
408	34124	BRR 0310	Rajendra Mashuri-1 Mutant	MS
409	34125	CR 4377-1-1-1-2-1	CR 3856-44-22-2-1-10-1-5/CR 4048-2-1-2-1-1	LS
410	34126	OR ABT-1	Swarna/ Lalat	MS
411	34127	CR 3993-33-26-24-22-1	CR 1009 /O. brachyantha//CR 1009	MB
412	34128	CR6558 - 1-1-1-1-2	CR3504-1-2-4-1-1/CR 3511-8-2-2-1-1-1	MB
413	34129	BNKR144-4-1	Dhiren/ Narkel Jhopa	MS
414	34130	CR 2916-30-2-2-1	Tapaswini/IET 16952	MS
415	34131	IRGC 78257-1-CR 6457-1-2	Selection from Khaoawm	LB
416	34132	CR-3483-1-M-4-B-SU-51-S-1	IR-64/POKALLI-41585//GANGASIULI	MB
417	34133	RP 5484-KS2202-137 (RP 5484-17-1-1-2-1-1-B)	Swarna/IRGC 63248// RP Bio 226	MB
418	34134	CR 6559 - 1-1-2-1-1	CR3504-12-2-1-1-1-1/CR3759-1-1-2-1-1	MB
419	34135	IR22LT1738-CN-2251	IR42/IR 96321-558-563-B-2-1-3//IR 127152-2-10/IR 127155-1-22//BG 380-2/IR 96465-B-BGY 372-103/4/IR24*4/BALAMAWEE	MB
420	34136	CR4566-26-8-7-6-3-8-12-1	MTU-1010/Heera	MB
421	34137	CN 2164-25-2-1-1	Shatabdi / KMR 3	MS
422	34138	CR 6556-1-1	IR 42/ IR 96321-558-563-B-2-1-3//IR 127152-2-10 / IR 127155-1-22-//BG 380-2/IR 964-65-B-BGY 372-103/4	LS
423	34139	CR 6462-1-1-2-2	CR Dhan 800/ CR Dhan 801	MS
424	34140	CRAC-3998-308-2	Doubled Haploid of 27P63	MS
425	34141	CR 4203-26-3-17-3	Pooja / IRBB 66	SB
426	34142	CRAC-6466-89-1	Doubled Haploid of CR Dhan 800x Daftari1008// CR Dhan 801x Daftari1008	MB
427	Pooja (Eastern), Bahadur (North Eastern), Savitri (Southern), Swarna (Central) - ZC			
428	34143	RP 6868-VPSY23-12-4-5-1	RP 6533-NIL 2355/RP5976-RIL-158	SB
429	34144	CR 6560-6-2-3-2-1	CR 3562-6-2-2-2-1-1/Tapaswini	MB
430	34145	RP5382-KS2202-22(RP 5382-4-1-1-2-1-B)	SAMPADA/IRGC69861//RP Bio-226	MS
431	34146	CR 6554-1	Selection from IR 20R 1210	MS
432	34147	CR 4473-4-3-1-1	Kasalath/ Lalat	LB
433	34148	RP6168-db-C10-103	MTU1010/Tulasi	LS
434	34149	CR-4105--5-5-B	BPT-5204 Sub-1/CR Dhan 310//BINDLI	MB
435	34150	BRR 2254	Swarna * Improved Sambha Masuri	MS
436	34151	CR 4698-K21-SRP1-26-8-4-4-1-#	Swarna/NPS-95	MS
437	34152	CR 3993-13-17-2-1	CR 1009 /O. brachyantha//CR 1009	SB
438	34153	CR 2916-92-4-2-1	Tapaswini/IET 16952	MS
439	34154	OR 2781	Mahalaxmi/CN 1231-11-7	MB
440	34155	CRAC-6466-31-1	Doubled Haploid of CR Dhan 800x Daftari1008// CR Dhan 801x Daftari1008	MB

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Entry No	IET No	Designation	Cross combination	Grain Type
441	CR Dhan 801 (Yield check)			
442	34156	CR 6507-73-2-2-1	Tapaswini / IET 26641	MS
443	34157	CN 2164-20-4-2-1-1	Shatabdi/KMR3	LS
444	34158	CR 4629-1-1-1-1	CR Dhan 206/ IR 93631-28-1-2-1-3-B	LB
445	34159	BR 11-Sub1	(IR 20/ IR 5)-Sub1	LB
446	34160	CR 6555-1-1	IRRI 154*4/ Madoluwa	LS
447	34161	CR4562-16-23-5-4-11-5-3-51-7	CR-Dhan-304/Jyothi	MB
448	34162	RP 6869-VPSY21-12-4-3-2	RP 6533-NIL 2305/RP5976-RIL-158	SB
449	34163	CR4579-56-79-12-22-31-9-1-6	Banskathi/N22	MB
450	34164	TTB 1375-7-11	IRGC 71493/RANJIT*3	LB
451	34165	CR4408-1-2-1-2-1-1	CR3516-10-1-1-1-1-1/CR3549-3-5-1-1-1	MS
452	34166	IR22LT1108-CN-2247	OM4218/IR 96321-558-563-B-2-1-3//OM4218/IR 127152-2-10	MB
453	34167	CR 6559 - 1-2-2-1-2	CR3504-12-2-1-1-1-1/CR3759-1-1-2-1-2	MB
454	34168	RP5484-KS2202-77(RP 5484-3-1-1-1-1-B)	Swarna/IRGC 63248// RP Bio 226	MB
455	34169	CR 6560-6-2-3-4-1	CR 3562-6-2-2-2-1-1/Tapaswini	MS
456	34170	CRAC-6465-72	Doubled Haploid of A42xN22	MB
457	34171	CR 4708-12-4-1-1	Pooja /IR 75870-8-1-2-B-6-1-1-B	MS
458	34172	BRR 2252	Ranjeet*2/Improved Sambha Masuri	MS
459	34173	CR 3549-3-5-1-1-1-2	ADT 43/Annapurna	MB
460	Local Check			

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Table 4.2: Grain Yield Kg/ha of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone III										
		OD				OD(1)		WB			WB(2)	
		CTK		BBN		mean		CHN		BNK	mean	
401	34118	5667		2907		4287		4485		6017	6	5251
402	34119	7282	7	6296	1	6789	1*	5851	4	4508		5180
403	34120	7576	4*	5000		6288	7	4884		5492		5188
404	34121	7055	10	5000		6028		5191		4850		5020
405	34122	3777		4352		4064		4670		4442		4556
406	Swarna Sub 1 (NC)	5757		6019	3	5888		5359		5433		5396
407	34123	7144	9	4815		5980		5139		5717		5428
408	34124	6879		4630		5754		5510		5817		5663
409	34125	5393		5463	10	5428		5197		5050		5123
410	34126	7455	5*	5556	9	6505	4	5527	10	4467		4997
411	34127			5000		5000		4855		4450		4653
412	34128	3805		4630		4217		5220		4108		4664
413	34129	2883		4074		3478		4757		6167	3*	5462
414	34130	5157		5278		5217		5828	5	4192		5010
415	34131	7190	8	5370		6280	8	5862	3	5550		5706
416	34132	5789		3981		4885		4022		3658		3840
417	34133	3394		4074		3734		4566		5467		5016
418	34134	5971		4630		5300		5140		4908		5024
419	34135	4688		5981	4	5335		4957		4525		4741
420	34136	5109		5759	6	5434		5961	1	4017		4989
421	34137	6964		4722		5843		5654	6	5992	7	5823
422	34138	7952	3*	3611		5781		5122		5967	8	5544
423	34139	6715		3889		5302		4230		5275		4753
424	34140	4774		4259		4517		5012		4192		4602
425	34141	6874		5648	7	6261	9	5637	8	5008		5322
426	34142	6535		5037		5786		4282		5858		5070
427	ZC	5627		4815		5221		5961	1	5433		5697
428	34143	4559		3611		4085		4352		5300		4826
429	34144	4001		3796		3898		5203		3917		4560
430	34145	6626		3796		5211		5064		4267		4665
431	34146	5517		3889		4703		4606		4583		4595
432	34147	6694		6148	2	6421	5	4954		5950	9	5452
433	34148	2428		3741		3084		4172		4742		4457
434	34149	2645		5093		3869		4543		3942		4242
435	34150	5062		4074		4568		4884		6042	5	5463
436	34151	5194		5315		5254		4329		5308		4819
437	34152	5236		5593	8	5414		4225		5125		4675
438	34153	4871		5463	10	5167		4826		5500		5163
439	34154	7447	6*	5889	5	6668	3*	5353		6433	2*	5893
440	34155	4880		4167		4524		4780		5017		4898
441	CR Dhan 801 (YC)	4975		5185		5080		5035		4675		4855
442	34156							4453				4453
443	34157	6871		3685		5278		5208		6600	1*	5904
444	34158	5165		4926		5046		4554		3617		4086
445	34159	5572		4815		5193		5113		4542		4828
446	34160	5495		3796		4646		4497		4500		4498
447	34161	8006	2*	4630		6318	6	5590	9	4575		5083
448	34162	3860		3796		3828		4633		4617		4625
449	34163	8169	1*	5278		6723	2*	5648	7	4258		4953
450	34164	6707		4815		5761		5145		4908		5027
451	34165	6551		4815		5683		5174		5950	9	5562
452	34166	2920		4222		3571		4566		3983		4275
453	34167	5407		3241		4324		4462		4483		4473
454	34168	4533		3778		4156		4425		5842		5134
455	34169	7041		5093		6067	10	5521		4125		4823
456	34170	1585		2463		2024		4403		6067	4	5235
457	34171			3333		3333		4447		4833		4640
458	34172	2872		5185		4028		5168		5117		5142
459	34173	4457		4259		4358		4578		4500		4539
460	Local Check	6045		3519		4782		4757		4467		4612
Exp. mean		5523		4614		5045		4959		4989		4969
CD		1339		757.52		793.94		814.85		670.63		553.68
CV%		14.49		9.82		9.41		9.83		8.04		6.67
F stat @ 5%		S		S		S		S		S		S
D/S		24.06.2025		26.06.2025				20.06.25		45846		
D/P		24.07.2025		22.07.2025				11.08.25		45883		
Local Check Name		CR Dhan 801		Ashutosh				Sujala (IET 20235)		Dhruba		

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Table 4.2 (Contd.): Grain Yield Kg/ha of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone III								Zone III (6)	
		BI		UP				UP			
		BKG		GGT@		MSD		mean		mean	
401	34118	5120	7	465		5166	10	5166	10	4894	
402	34119	2570		1862		5359	1	5359	1	5311	7
403	34120	3892		1257		5226	4	5226	4	5345	5
404	34121	2751		1164		2699		2699		4591	
405	34122					3670		3670		4182	
406	Swarna Sub 1 (NC)	4033		2420		3743		3743		5057	
407	34123	4020		2839	5	3617		3617		5075	
408	34124	3409		3225	2	4202		4202		5074	
409	34125	4189		2979	3	4794		4794		5014	
410	34126	2988		2793	6	5193	8	5193	8	5197	
411	34127	5120	8	1303		5226	4	5226	4	4930	
412	34128	2131		2513	9	4235		4235		4022	
413	34129	3742		838		4495		4495		4353	
414	34130	3298		3710	1	4043		4043		4632	
415	34131	3764		2094		3823		3823		5260	8
416	34132	4398		426		4614		4614		4411	
417	34133	3684		519		5253	2	5253	2	4406	
418	34134	2703		1582		4009		4009		4560	
419	34135	4053		2141		4096		4096		4717	
420	34136	3987		2573	8	2706		2706		4590	
421	34137					3830		3830		5432	2
422	34138	4967	9	1489		4900		4900		5420	3
423	34139	4305		1130		4422		4422		4806	
424	34140	5375	4	1164		4874		4874		4748	
425	34141					4242		4242		5482	1
426	34142	4547		791		2510		2510		4795	
427	ZC					5233	3	5233	3	5414	4
428	34143	3135		519		3670		3670		4104	
429	34144	3671		2048		5027		5027		4269	
430	34145	4296		1396		4142		4142		4698	
431	34146	4955	10	1117		2134		2134		4281	
432	34147	3872		838		3191		3191		5135	
433	34148	2764		532		4993		4993		3807	
434	34149	5651	3	545		5160		5160		4505	
435	34150	5730	2	2513	9	4993		4993		5131	
436	34151	2471		2593	7	5093		5093		4618	
437	34152	3909		1536		3836		3836		4654	
438	34153	5793	1	1164		4900		4900		5225	10
439	34154	3559		1582		2061		2061		5124	
440	34155	5198	6	1024		4122		4122		4694	
441	CR Dhan 801 (YC)	2477		2188		5166	10	5166	10	4586	
442	34156	4475		465		4235		4235		4388	
443	34157	3114		1257		5193	8	5193	8	5112	
444	34158	4460		532		5093		5093		4636	
445	34159	3515		2420		3803		3803		4560	
446	34160	4411		1024		3570		3570		4378	
447	34161	3521		2294		2733		2733		4842	
448	34162	2410		372		4555		4555		3978	
449	34163	4248		2234		3816		3816		5236	9
450	34164					5060		5060		5327	6
451	34165	3066		1582		4362		4362		4986	
452	34166	3259		1396		3544		3544		3749	
453	34167	2975		898		4727		4727		4216	
454	34168	3448		731		4056		4056		4347	
455	34169	3087		1676		5219	7	5219	7	5014	
456	34170	4248		1529		4807		4807		3929	
457	34171	3081		585		5166	10	5166	10	4172	
458	34172	3542		698		5226	4	5226	4	4518	
459	34173	3125		1489		3165		3165		4014	
460	Local Check	5306	5	2859	4	4973		4973		4844	
Exp. mean		3851		1544		4300		4300		4713	
CD		614.73		1044.47		1132.20		1132.20		418.66	
CV%		9.54		40.42		15.76		15.76		5.32	
F stat @ 5%		S		S		S		S		S	
D/S		24-06-25		21-06-25		21.07.2025					
D/P		21-07-25		Direct Seeded		22.08.2025					
Local Check Name		Sabour Heera		Sambha Mahsuri		Sambha Mahsuri-Sub 1					

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Table 4.2 (Contd.): Grain Yield Kg/ha of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone IV							Zone IV (2)	
		AS			AS (1)		TP		mean	
		TTB		KMJ@		mean	LMB			
401	34118	3848		4400		3848	4917	9	4383	
402	34119	5490		4300		5490	4167		4828	
403	34120	4020		3600		4020	4911	10	4466	
404	34121	6111	10	4700		6111	4289		5200	8
405	34122	3354		4050		3354	5044	8	4199	
406	Swarna Sub 1 (NC)	5707		4200		5707	3994		4851	
407	34123	5586		5050	4	5586	6106	2*	5846	3
408	34124	5207		4800	8	5207	4039		4623	
409	34125	4182		4500		4182	4083		4133	
410	34126	4303		4300		4303	2478		3390	
411	34127	3924		4500		3924	3211		3568	
412	34128	6424	5	4300		6424	3244	5	4834	
413	34129	4667		4550		4667	3150		3908	
414	34130	5449		3850		5449	4861		5155	
415	34131	6146	8	4200		6146	5361	6*	5754	4
416	34132	3848		5250	2	3848	3783		3816	
417	34133	4919		4650		4919	4878		4898	
418	34134	5525		4250		5525	3789		4657	
419	34135	4101		4100		4101	5411	5*	4756	
420	34136	4409		3750		4409	4706		4557	
421	34137	4404		4500		4404	4089		4246	
422	34138	5384		4500		5384	3794		4589	
423	34139	4288		4750		4288	2872		3580	
424	34140	3333		4250		3333	3556		3444	
425	34141	5500		4250		5500	4694		5097	
426	34142	4899		4150		4899	3967		4433	
427	ZC	6313	6	4600		6313	4156	6	5234	7
428	34143	4424		4550		4424	4417		4420	
429	34144	4061		3950		4061	3189		3625	
430	34145	6071		5150	3	6071	3883		4977	
431	34146	5424		4550		5424	2972		4198	
432	34147	8152	1*	4450		8152	6172	1*	7162	1*
433	34148	3626		4050		3626	2956		3291	
434	34149	6071		3250		6071	1783		3927	
435	34150	5157		4250		5157	3656		4406	
436	34151	4328		3950		4328	4839		4584	
437	34152	6116	9	3950		6116	4278	9	5197	9
438	34153	3859		3450		3859	2494		3177	
439	34154	5783		4350		5783	3756		4769	
440	34155	3399		3850		3399	4806		4102	
441	CR Dhan 801 (YC)	4697		4750		4697	4083		4390	
442	34156	5121		4500		5121	3906		4513	
443	34157	4343		4800	8	4343	4350		4347	
444	34158	3970		4100		3970	2678		3324	
445	34159	5030		4400		5030	3383		4207	
446	34160	5172		5550	1	5172	4367		4769	
447	34161	4636		4950	6	4636	3950		4293	
448	34162	5131		4450		5131	3528		4330	
449	34163	5747		4300		5747	4472		5110	
450	34164	5914		4050		5914	3956		4935	
451	34165	5106		4750		5106	4583		4845	
452	34166	4338		4700		4338	5611	3*	4975	
453	34167	5242		4950	6	5242	5072	7	5157	10
454	34168	3167		4450		3167	5472	4*	4319	
455	34169	7096	3	4450		7096	4111	3	5604	6
456	34170	2763		4350		2763	3472		3117	
457	34171	3596		4800	8	3596	3422		3509	
458	34172	6202	7	4750		6202	3083	7	4643	
459	34173	7278	2*	4150		7278	4472	2*	5875	2
460	Local Check	6601	4	5050	4	6601	4706	4	5653	5
Exp. mean		4983		4405		4983	4090		4537	
CD		534.85		194.83		534.85	580.09		422.06	
CV%		6.42		2.65		6.42	8.49		5.57	
F stat @ 5%		S		S		S	S		S	
D/S		03.07.2025		05-07-25			10-07-25			
D/P		02.08.2025		03-08-25			06-08-25			
Local Check Name		Surma Dhan		Bahadur			Gomati			

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Table 4.2 (Contd.): Grain Yield Kg/ha of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone V		Zone VII						Zone VII (2)		Overall (11)	
		MP		KA		KA (2)							
		JBP		PNP		MGD		mean		mean		mean	
401	34118	5183		2376		5439		3907		3907		4648	
402	34119	4979		2906		6561	4	4733		4733		5088	8
403	34120	5372		3756		5248		4502		4502		5034	9
404	34121	4963		3726		5082		4404		4404		4702	
405	34122	6271	1	3422		6514	6	4968	5	4968	5	4552	
406	Swarna Sub 1 (NC)	6046	4	2622		5211		3916		3916		4902	
407	34123	5270		3913	9	4792		4352		4352		5102	7
408	34124	5898	8	2422		5679		4050		4050		4881	
409	34125	5147		3105		4405		3755		3755		4637	
410	34126	5561		541		6684	3	3613		3613		4614	
411	34127	4560		4065	4	4579		4322		4322		4499	
412	34128	5678		3731		4582		4156		4156		4344	
413	34129	5101		2871		4775		3823		3823		4244	
414	34130	5474		2649		5039		3844		3844		4661	
415	34131	5203		2124		4565		3345		3345		4996	10
416	34132	5566		3941	6	5939		4940	7	4940	7	4504	
417	34133	5203		3377		4763		4070		4070		4507	
418	34134	6240	2	3371		4569		3970		3970		4623	
419	34135	5929	6	3597		5035		4316		4316		4761	
420	34136	5658		3264		6395	7	4829	10	4829	10	4724	
421	34137	5913	7	1137		6531	5	3834		3834		4924	
422	34138	4953		3353		6297	8	4825		4825		5118	6
423	34139	4841		3895		5819		4857	9	4857	9	4595	
424	34140	4861		2864		4719		3792		3792		4347	
425	34141	5775		3913	8	4558		4235		4235		5185	
426	34142	5209		2842		5315		4079		4079		4636	
427	ZC	5520		2786		7141	1	4963	6	4963	6	5298	2
428	34143	5505		3371		4405		3888		3888		4250	
429	34144	5678		4647	3*	5791		5219	3	5219	3	4453	
430	34145	5673		3179		4586		3883		3883		4689	
431	34146	6199	3	2464		5096		3780		3780		4349	
432	34147	5403		3396		5625		4510		4510		5414	1
433	34148	5944	5	3086		5550		4318		4318		4000	
434	34149	5586		2176		6165		4170		4170		4438	
435	34150	5474		1222		5880		3551		3551		4743	
436	34151	5637		2901		4767		3963		3963		4633	
437	34152	5883	9	2771		4640		3705		3705		4692	
438	34153	5163		3933	7	4541		4237		4237		4667	
439	34154	4693		2274		5812		4043		4043		4824	
440	34155	5290		3912	10	4807		4359		4359		4580	
441	CR Dhan 801 (YC)	5597		4045	5	5099		4572		4572		4639	
442	34156	4473		2910		4594		3752		3752		4271	
443	34157	5801	10	3424		5132		4278		4278		4884	
444	34158	4249		2847		6261	9	4554		4554		4347	
445	34159	5709		3059		6256	10	4657		4657		4618	
446	34160	5586		3617		6944	2	5280	1	5280	1	4723	
447	34161	4177		3074		4946		4010		4010		4531	
448	34162	5193		3517		4506		4011		4011		4159	
449	34163	5540		3608		6195		4901	8	4901	8	5180	5
450	34164	5198		4710	2*	5773		5242	2	5242	2	5219	3
451	34165	5152		4923	1*	5232		5078	4	5078	4	4992	
452	34166	5689		3088		5965		4526		4526		4290	
453	34167	5653		2083		4609		3346		3346		4360	
454	34168	2446		2672		4906		3789		3789		4068	
455	34169	5510		2694		4564		3629		3629		4915	
456	34170	5546		2690		4660		3675		3675		3882	
457	34171	5086		3185		5223		4204		4204		4137	
458	34172	5341		3215		5954		4584		4584		4628	
459	34173	5576		3086		4959		4022		4022		4496	
460	Local Check	5331		3405		4455		3930		3930		4869	
Exp. mean		5356		3129		5335		4234		4234		4651	
CD		592.46		324.17		726.55		383.31		383.31		273.81	
CV%		6.62		6.20		8.15		5.42		5.42		3.52	
F stat @ 5%		S		S		S		S		S		S	
D/S		28-06-25		25.07.2025		20.06.25							
D/P		19.07.2025		24.08.2025		11.07.25							
Local Check Name		Kranti		Tunga		PSB-68							

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Table 4.3: Days to 50% flowering of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone III										Zone III(6) mean
		OD		OD(2)	WB		WB(2)	BI	UP		UP	
		CTK	BBN	mean	CHN	BNK	mean	BKG	GGT@	MSD	mean	
401	34118	106	85	96	116	100	108	97	108	118	118	104
402	34119	128	120	124	132	103	117	101	128	121	121	117
403	34120	109	97	103	118	114	116	115	120	120	120	112
404	34121	124	121	123	124	103	114	117	125	128	128	120
405	34122	129	132	130	134	101	117			129	129	125
406	Swarna Sub 1 (NC)	125	106	116	131	103	117	124	119	121	121	118
407	34123	106	104	105	131	101	116	122	115	125	125	115
408	34124	121	104	112	125	104	115	122	114	124	124	117
409	34125	121	106	113	130	103	117	116	119	110	110	114
410	34126	117	114	116	127	101	114	122	110	113	113	116
411	34127		98	98	122	101	111	110	103	111	111	108
412	34128	121	104	113	115	105	110	113	118	112	112	111
413	34129	114	96	105	110	106	108	106	105	123	123	109
414	34130	122	112	117	129	109	119	122	121	113	113	118
415	34131	124	107	116	130	98	114	124	123	121	121	117
416	34132	95	94	95	117	103	110	107	94	125	125	107
417	34133	118	91	105	117	107	112	106	90	122	122	110
418	34134	115	103	109	124	110	117	110	117	111	111	112
419	34135	110	106	108	118	112	115	116	104	114	114	112
420	34136	119	108	114	130	99	114	121	122	132	132	118
421	34137	131	129	130	120	98	109			114	114	118
422	34138	105	90	97	115	104	110	99	94	115	115	105
423	34139	105	90	98	117	104	110	109	92	112	112	106
424	34140	105	96	101	119	99	109	101	103	120	120	107
425	34141	131	122	126	131	102	116			121	121	121
426	34142	118	102	110	121	99	110	111	124	126	126	113
427	ZC	121	119	120	124	101	112			119	119	117
428	34143	106	104	105	124	100	112	110	105	121	121	111
429	34144	111	95	103	123	99	111	112	113	112	112	109
430	34145	128	106	117	125	101	113	116	121	114	114	115
431	34146	94	96	95	121	104	112	99	97	121	121	106
432	34147	121	118	119	131	100	116	128	129	123	123	120
433	34148	106	93	100	116	99	107	101	94	109	109	104
434	34149	106	104	105	115	107	111	110	112	106	106	108
435	34150	129	110	120	126	109	117	116	124	111	111	117
436	34151	113	105	109	123	106	114	116	108	124	124	114
437	34152	105	104	105	116	100	108	102	104	119	119	107
438	34153	108	98	103	120	98	109	103	97	120	120	108
439	34154	126	114	120	131	101	116	122	122	125	125	120
440	34155	107	101	104	116	104	110	107	123	129	129	111
441	CR Dhan 801 (YC)	111	110	110	111	106	108	116	114	121	121	112
442	34156				114		114	102	119	118	118	111
443	34157	113	97	105	119	103	111	111	122	119	119	110
444	34158	104	96	100	117	101	109	112	96	119	119	108
445	34159	113	106	110	124	107	115	115	126	120	120	114
446	34160	107	97	102	119	111	115	99	97	117	117	108
447	34161	126	116	121	131	104	118	122	119	124	124	120
448	34162	107	105	106	117	98	108	116	109	124	124	111
449	34163	121	107	114	130	105	117	116	110	123	123	117
450	34164	130	122	126	132	105	118			119	119	121
451	34165	108	103	105	123	100	112	115	125	121	121	112
452	34166	107	97	102	122	107	114	114	113	120	120	111
453	34167	119	105	112	126	102	114	115	105	114	114	113
454	34168	105	96	101	117	100	108	99	93	116	116	105
455	34169	122	117	120	131	101	116	128	126	120	120	120
456	34170	109	83	96	113	104	108	99	89	128	128	106
457	34171		93	93	116	108	112	101	97	117	117	107
458	34172	120	106	113	124	100	112	124	118	112	112	114
459	34173	111	103	107	125	106	115	117	109	121	121	114
460	Local Check	131	116	124	125	101	113	103	113	116	116	115
	Exp. mean	115	105	110	122	103	113	112	111	119	119	113
	CD	2.13	1.35	1.48	6.83	2.93	3.79	0.00	14.15	2.91	2.91	1.69
	CV%	1.11	0.77	0.77	3.34	1.70	2.01	0.00	7.62	1.47	1.47	0.89

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Table 4.3 (Cont.): Days to 50% flowering of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2)	Zone V	Zone VII			Zone VII(2)	Overall (11)
		AS		AS (1)	TP			KA		KA (2)		
		TTB	KMJ@	mean	LMB			JBP	PNP	MGD	mean	mean
401	34118	79	118	79	116	98	113	121	109	115	115	105
402	34119	101	101	101	109	105	128	109	120	114	114	115
403	34120	93	114	93	118	105	125	124	113	119	119	113
404	34121	117	114	117	122	119	127	122	126	124	124	121
405	34122	118	114	118	104	111	130	124	137	130	130	123
406	Swarna Sub 1 (NC)	105	121	105	118	111	129	108	124	116	116	117
407	34123	97	121	97	118	107	128	102	119	110	110	114
408	34124	101	115	101	110	105	128	131	108	119	119	116
409	34125	90	106	90	110	100	131	122	97	109	109	112
410	34126	93	113	93	119	106	129	108	110	109	109	114
411	34127	92	100	92	116	104	120	108	110	109	109	109
412	34128	100	102	100	106	103	128	127	114	121	121	113
413	34129	95	104	95	106	100	123	105	118	111	111	109
414	34130	103	102	103	113	108	132	129	116	122	122	118
415	34131	91	111	91	119	105	139	112	116	114	114	116
416	34132	87	112	87	106	96	118	128	104	116	116	107
417	34133	91	114	91	115	103	113	125	110	117	117	110
418	34134	99	112	99	109	104	119	121	116	119	119	112
419	34135	100	111	100	118	109	127	122	118	120	120	114
420	34136	100	114	100	116	108	128	122	120	121	121	117
421	34137	119	103	119	108	114	148	112	124	118	118	120
422	34138	86	102	86	116	101	113	109	96	102	102	104
423	34139	82	101	82	118	100	116	131	100	115	115	107
424	34140	91	104	91	119	105	113	123	96	110	110	107
425	34141	108	102	108	113	110	124	104	126	115	115	118
426	34142	98	102	98	106	102	127	107	118	112	112	112
427	ZC	105	105	105	119	112	135	109	125	117	117	117
428	34143	97	117	97	105	101	115	106	118	112	112	109
429	34144	97	105	97	109	103	127	109	109	109	109	109
430	34145	101	114	101	107	104	138	110	118	114	114	115
431	34146	90	111	90	111	100	115	109	97	103	103	105
432	34147	108	112	108	121	114	146	108	127	117	117	121
433	34148	86	114	86	113	99	116	107	99	103	103	104
434	34149	90	90	90	126	108	118	126	102	114	114	110
435	34150	107	112	107	115	111	128	123	114	118	118	117
436	34151	103	111	103	115	109	126	119	118	118	118	115
437	34152	95	111	95	112	103	128	110	112	111	111	109
438	34153	91	102	91	105	98	114	108	111	109	109	107
439	34154	108	102	108	117	112	138	110	114	112	112	119
440	34155	93	104	93	115	104	126	123	114	118	118	112
441	CR Dhan 801 (YC)	95	106	95	107	101	126	109	114	111	111	111
442	34156	95	108	95	118	106	122	118	114	116	116	112
443	34157	93	97	93	105	99	127	125	115	120	120	111
444	34158	90	108	90	105	97	119	121	110	116	116	108
445	34159	103	118	103	116	109	128	105	107	106	106	113
446	34160	90	118	90	108	99	126	131	99	115	115	109
447	34161	94	120	94	118	106	132	105	118	111	111	117
448	34162	94	118	94	115	104	116	119	110	114	114	111
449	34163	102	118	102	117	109	128	108	116	112	112	115
450	34164	118	120	118	124	121	131	104	129	116	116	121
451	34165	104	109	104	119	111	134	106	119	112	112	114
452	34166	94	108	94	109	101	117	108	111	110	110	110
453	34167	94	107	94	107	100	127	108	118	113	113	112
454	34168	92	110	92	108	100	113	121	111	116	116	107
455	34169	107	108	107	118	112	145	107	117	112	112	119
456	34170	79	108	79	122	100	116	121	101	111	111	107
457	34171	84	111	84	106	95	118	120	98	109	109	106
458	34172	100	124	100	122	111	135	121	118	120	120	116
459	34173	98	111	98	117	107	127	108	110	109	109	113
460	Local Check	104	112	104	119	112	113	104	109	106	106	113
	Exp. mean	97	109	97	113	105	125	115	113	114	114	113
	CD	1.77	0.33	1.77	5.71	2.95	2.07	1.72	1.76	1.13	1.13	2.65
	CV%	1.09	0.18	1.09	3.01	1.68	0.99	0.90	0.93	0.60	0.60	1.39

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Table 4.4: Plant Height (cm) of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone III										Zone III(6)
		OD		OD(2)	WB		WB(2)	BI	UP		UP	
		CTK	BBN	mean	CHN	BNK	mean	BKG	GGT@	MSD	mean	mean
401	34118	106	100	103	108	95	102	91	104	91	91	98
402	34119	240	140	190	143	110	127	122	111	101	101	143
403	34120	115	101	108	105	116	111	101	102	105	105	107
404	34121	144	142	143	124	98	111	108	105	91	91	118
405	34122	109	110	110	102	100	101		68	65	65	97
406	Swarna Sub 1 (NC)	118	143	130	102	115	109	103	90	96	96	113
407	34123	121	108	115	101	120	111	103	96	102	102	109
408	34124	119	125	122	107	114	111	109	108	72	72	108
409	34125	131	127	129	129	104	117	117	113	103	103	119
410	34126	112	110	111	107	102	105	112	108	85	85	105
411	34127		127	127	130	119	125	119	104	105	105	120
412	34128	122	132	127	112	112	112	119	98	112	112	118
413	34129	142	130	136	131	106	119	130	106	111	111	125
414	34130	134	133	133	114	107	111	125	117	103	103	119
415	34131	139	123	131	130	115	123	134	105	93	93	122
416	34132	132	131	131	110	114	112	116	105	82	82	114
417	34133	115	123	119	120	113	117	132	108	105	105	118
418	34134	123	126	124	121	116	119	117	100	83	83	114
419	34135	125	114	119	108	105	107	125	108	121	121	116
420	34136	128	122	125	128	109	119	127	105	120	120	122
421	34137	124	126	125	118	107	113		87	98	98	114
422	34138	108	107	108	110	115	113	117	106	105	105	110
423	34139	129	132	130	114	120	117	137	115	93	93	121
424	34140	124	112	118	110	119	115	118	98	97	97	113
425	34141	111	102	106	105	100	103		85	91	91	102
426	34142	136	123	129	143	98	121	135	112	101	101	123
427	ZC	119	137	128	110	95	103		96	85	85	109
428	34143	123	122	122	133	90	112	113	105	103	103	114
429	34144	127	127	127	127	110	119	126	104	102	102	120
430	34145	112	113	113	121	112	117	115	106	106	106	113
431	34146	121	136	129	106	90	98	113	103	115	115	114
432	34147	129	126	127	135	113	124	137	103	104	104	124
433	34148	102	125	114	105	114	110	124	109	72	72	107
434	34149	126	121	123	140	106	123	126	111	93	93	119
435	34150	117	109	113	103	116	110	120	103	105	105	112
436	34151	114	105	110	108	115	112	101	101	121	121	111
437	34152	120	111	116	106	108	107	114	105	101	101	110
438	34153	115	111	113	113	114	114	114	96	96	96	111
439	34154	151	92	122	140	116	128	159	129	101	101	126
440	34155	152	111	131	154	98	126	127	123	90	90	122
441	CR Dhan 801 (YC)	118	130	124	105	92	99	119	100	97	97	110
442	34156				112		112	113	145	132	132	119
443	34157	100	130	115	98	116	107	109	91	106	106	110
444	34158	141	128	134	128	102	115	117	108	102	102	120
445	34159	120	147	134	110	116	113	114	110	103	103	118
446	34160	116	114	115	105	108	107	116	96	91	91	108
447	34161	121	114	118	17	98	58	115	102	110	110	96
448	34162	132	134	133	135	97	116	120	104	93	93	118
449	34163	129	132	131	117	93	105	130	117	91	91	115
450	34164	122	126	124	122	112	117		113	102	102	117
451	34165	129	129	129	118	115	117	116	106	110	110	119
452	34166	124	129	127	132	116	124	112	106	118	118	122
453	34167	133	126	129	105	102	104	117	105	91	91	112
454	34168	115	106	110	120	107	114	121	110	110	110	113
455	34169	131	112	121	115	118	117	111	97	105	105	115
456	34170	86	137	112	102	98	100	84	80	103	103	102
457	34171		102	102	108	92	100	97	101	81	81	96
458	34172	140	112	126	124	106	115	129	122	119	119	122
459	34173	122	131	126	124	116	120	122	110	92	92	118
460	Local Check	117	133	125	115	115	115	114	113	82	82	113
Exp. mean		125	122	123	116	108	112	118	105	99	99	114

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Table4.4 (Contd.): Plant Height (cm) of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2)	Zone V MP	Zone VII			Zone VII (2)	Overall (11)
		AS		AS (1) mean	TP LMB			KA		KA (2) mean		
		TTB	KMJ@					PNP	MGD			
401	34118	141	130	141	104	122	79	67	69	68	68	95
402	34119	148	135	148	127	137	108	72	95	84	84	128
403	34120	116	145	116	104	110	76	72	69	70	70	98
404	34121	135	130	135	100	118	71	76	83	79	79	107
405	34122	105	120	105	90	98	44	64	68	66	66	86
406	Swarna Sub 1 (NC)	111	112	111	98	104	63	68	53	61	61	97
407	34123	112	120	112	95	103	62	56	67	61	61	95
408	34124	127	138	127	110	119	79	77	76	77	77	101
409	34125	134	130	134	116	125	75	68	70	69	69	107
410	34126	129	112	129	113	121	78	45	67	56	56	96
411	34127	123	146	123	89	106	87	68	66	67	67	103
412	34128	136	142	136	114	125	91	68	67	68	68	108
413	34129	133	152	133	120	127	86	62	69	66	66	111
414	34130	129	147	129	107	118	78	68	69	69	69	106
415	34131	135	122	135	101	118	85	72	85	78	78	110
416	34132	130	130	130	98	114	85	68	86	77	77	105
417	34133	124	119	124	90	107	84	66	78	72	72	105
418	34134	130	144	130	105	117	92	76	82	79	79	106
419	34135	115	138	115	102	108	82	70	80	75	75	104
420	34136	122	132	122	112	117	84	76	84	80	80	110
421	34137	117	144	117	85	101	72	64	81	73	73	99
422	34138	110	136	110	115	113	80	67	69	68	68	100
423	34139	131	164	131	107	119	77	67	89	78	78	109
424	34140	106	150	106	105	105	71	75	70	72	72	101
425	34141	107	145	107	88	97	58	64	61	63	63	89
426	34142	151	147	151	128	139	96	65	103	84	84	116
427	ZC	130	139	130	108	119	58	58	73	66	66	97
428	34143	124	145	124	107	116	82	59	79	69	69	103
429	34144	127	129	127	113	120	92	68	81	75	75	109
430	34145	128	138	128	100	114	88	64	67	66	66	102
431	34146	115	130	115	96	105	79	68	70	69	69	101
432	34147	172	154	172	127	149	81	66	83	74	74	116
433	34148	107	127	107	109	108	97	60	101	80	80	101
434	34149	133	128	133	120	127	100	68	81	74	74	110
435	34150	117	132	117	103	110	70	63	69	66	66	99
436	34151	111	136	111	102	106	67	64	55	60	60	97
437	34152	126	155	126	87	106	77	71	83	77	77	100
438	34153	115	143	115	98	107	71	64	57	61	61	97
439	34154	142	142	142	103	123	92	68	97	83	83	115
440	34155	147	152	147	122	134	104	67	100	83	83	115
441	CR Dhan 801 (YC)	137	155	137	85	111	70	67	69	68	68	99
442	34156	123	161	123	104	113	60	75	56	66	66	97
443	34157	112	155	112	90	101	79	63	76	70	70	98
444	34158	127	145	127	107	117	85	67	85	76	76	108
445	34159	125	129	125	86	106	75	67	76	72	72	104
446	34160	118	138	118	92	105	74	75	82	79	79	99
447	34161	129	126	129	108	119	75	76	72	74	74	94
448	34162	127	146	127	99	113	76	64	82	73	73	105
449	34163	129	144	129	122	125	82	62	87	75	75	107
450	34164	133	140	133	75	104	64	67	88	77	77	101
451	34165	126	141	126	115	120	90	67	88	77	77	109
452	34166	133	145	133	117	125	70	75	85	80	80	110
453	34167	131	138	131	98	115	80	52	81	67	67	102
454	34168	127	136	127	118	123	84	67	80	73	73	105
455	34169	132	140	132	109	121	76	67	60	63	63	103
456	34170	88	135	88	75	81	60	75	58	67	67	88
457	34171	113	147	113	85	99	67	64	57	61	61	87
458	34172	137	154	137	80	109	85	65	83	74	74	107
459	34173	133	137	133	122	128	97	76	96	86	86	112
460	Local Check	135	143	135	94	114	73	64	86	75	75	103
Exp. mean		126	139	126	103	115	79	67	77	72	72	103

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Table 4.5: Number of Panicles/m² of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone III										Zone III(6)
		OD		OD(2)	WB		WB(2)	BI	UP		UP	
		CTK	BBN	mean	CHN	BNK	mean	BKG	GGT@	MSD	mean	mean
401	34118	154	247	200	215	331	273	374	78	261	261	263
402	34119	200	225	212	215	343	279	277	124	242	242	250
403	34120	137	273	205	231	376	304	382	113	258	258	276
404	34121	305	267	286	495	306	401	351	114	137	137	310
405	34122	134	260	197	248	320	284		54	220	220	236
406	Swarna Sub 1 (NC)	153	244	198	264	381	322	341	127	226	226	268
407	34123	182	282	232	264	389	327	371	192	219	219	284
408	34124	156	289	222	231	338	284	255	169	216	216	247
409	34125	145	237	191	215	366	290	364	142	272	272	266
410	34126	132	267	199	297	393	345	390	141	270	270	291
411	34127		236	236	248	300	274	394	126	261	261	287
412	34128	181	275	228	314	314	314	347	152	256	256	281
413	34129	121	187	154	198	384	291	352	128	236	236	246
414	34130	229	252	240	363	360	362	331	157	221	221	293
415	34131	188	227	207	248	378	313	351	117	223	223	269
416	34132	154	254	204	297	400	348	393	111	246	246	290
417	34133	133	298	215	264	359	312	410	91	220	220	280
418	34134	173	247	210	248	380	314	369	143	252	252	278
419	34135	142	282	212	264	368	316	354	160	263	263	279
420	34136	159	234	197	248	365	306	350	135	151	151	251
421	34137	140	195	167	314	373	343		60	239	239	252
422	34138	288	249	268	264	315	290	360	117	255	255	288
423	34139	188	248	218	281	311	296	393	127	237	237	276
424	34140	141	276	208	314	311	312	355	128	224	224	270
425	34141	160	304	232	281	356	318		56	208	208	262
426	34142	145	234	189	264	366	315	396	119	211	211	269
427	ZC	149	256	202	248	354	301		133	269	269	255
428	34143	152	213	183	231	380	305	356	122	214	214	258
429	34144	150	196	173	215	354	284	324	157	250	250	248
430	34145	170	261	215	248	318	283	356	113	238	238	265
431	34146	225	249	237	264	360	312	341	99	213	213	275
432	34147	161	230	195	429	337	383	334	116	176	176	278
433	34148	164	286	225	248	328	288	337	136	239	239	267
434	34149	126	283	205	231	317	274	349	112	236	236	257
435	34150	161	216	189	248	406	327	324	161	238	238	265
436	34151	144	257	200	231	403	317	334	132	245	245	269
437	34152	150	199	174	231	313	272	350	120	233	233	246
438	34153	138	214	176	248	345	296	344	117	219	219	251
439	34154	156	256	206	281	384	332	357	150	131	131	261
440	34155	287	209	248	248	351	299	390	104	246	246	288
441	CR Dhan 801 (YC)	164	271	218	248	370	309	356	127	241	241	275
442	34156				248		248	304	56	242	242	264
443	34157	163	200	181	231	337	284	314	112	267	267	252
444	34158	156	206	181	231	396	313	386	81	244	244	270
445	34159	140	193	166	248	403	325	322	140	229	229	255
446	34160	168	253	210	264	391	327	340	102	246	246	277
447	34161	183	247	215	297	316	307	340	133	158	158	257
448	34162	131	257	194	215	350	282	342	113	225	225	253
449	34163	164	233	198	363	362	363	299	140	216	216	273
450	34164	181	249	215	248	381	314		140	244	244	260
451	34165	173	163	168	248	303	275	297	99	219	219	234
452	34166	131	245	188	264	409	337	298	93	244	244	265
453	34167	174	263	218	297	334	315	314	122	228	228	268
454	34168	172	200	186	248	355	301	358	81	231	231	261
455	34169	315	260	287	248	334	291	322	109	229	229	284
456	34170	141	248	195	231	329	280	348	73	203	203	250
457	34171		286	286	248	415	331	379	82	221	221	309
458	34172	121	232	176	248	284	266	233	133	261	261	230
459	34173	134	258	196	281	330	305	305	125	216	216	254
460	Local Check	243	267	255	248	354	301	260	150	249	249	270
Exp. mean		169	245	208	264	354	308	343	119	229	229	267
CD		7.76	34.55	33.56	48.74	28.81	27.00	21.35	44.70	30.41	30.41	14.56
CV%		2.75	8.45	8.55	11.06	4.87	5.25	3.72	22.44	7.93	7.93	4.61

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Table 4.5 (Contd.): Number of Panicles/m² of entries in IVT-RSL Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2)	Zone V MP	Zone VII			Zone VII(2)	Overall (11)
		TTB	AS	AS (1)	TP			KA		KA (2)		
			mean	mean	LMB			PNP	MGD	mean		
401	34118	300	248	300	188	244	228	233	370	301	301	263
402	34119	261	273	261	213	237	206	202	401	301	301	253
403	34120	334	214	334	163	248	308	266	403	334	334	285
404	34121	356	254	356	138	247	289	256	444	350	350	304
405	34122	331	241	331	238	284	386	278	446	362	362	286
406	Swarna Sub 1 (NC)	342	257	342	288	315	318	256	434	345	345	295
407	34123	289	261	289	275	282	294	262	400	331	331	293
408	34124	301	244	301	250	275	314	234	309	272	272	263
409	34125	345	261	345	163	254	290	251	465	358	358	283
410	34126	314	259	314	288	301	382	287	343	315	315	305
411	34127	289	248	289	213	251	257	255	348	301	301	280
412	34128	377	248	377	238	307	329	252	354	303	303	294
413	34129	266	224	266	200	233	265	308	373	340	340	263
414	34130	303	214	303	213	258	282	251	383	317	317	290
415	34131	312	207	312	225	268	298	210	348	279	279	273
416	34132	373	257	373	263	318	304	255	404	329	329	304
417	34133	284	247	284	275	279	261	178	367	272	272	277
418	34134	340	238	340	188	264	339	256	497	376	376	299
419	34135	271	181	271	363	317	303	199	396	298	298	291
420	34136	286	187	286	238	262	231	210	412	311	311	262
421	34137	352	233	352	138	245	315	277	358	317	317	270
422	34138	300	207	300	238	269	221	223	334	279	279	277
423	34139	320	268	320	188	254	250	297	396	346	346	282
424	34140	326	222	326	175	250	295	255	391	323	323	278
425	34141	303	252	303	150	227	344	252	388	320	320	274
426	34142	315	210	315	188	251	252	287	403	345	345	278
427	ZC	323	246	323	263	293	307	298	433	365	365	290
428	34143	284	262	284	188	236	177	305	365	335	335	260
429	34144	318	203	318	188	253	223	252	379	315	315	259
430	34145	334	248	334	163	248	217	277	423	350	350	273
431	34146	320	246	320	213	266	304	253	373	313	313	283
432	34147	342	252	342	150	246	235	266	375	320	320	276
433	34148	334	213	334	238	286	324	305	391	348	348	290
434	34149	323	210	323	163	243	280	249	383	316	316	267
435	34150	360	237	360	188	274	220	244	329	286	286	267
436	34151	328	213	328	200	264	237	277	385	331	331	276
437	34152	323	213	323	225	274	228	286	369	327	327	264
438	34153	329	160	329	250	289	229	275	380	327	327	270
439	34154	289	213	289	225	257	211	278	425	351	351	272
440	34155	368	206	368	150	259	212	223	356	290	290	276
441	CR Dhan 801 (YC)	326	264	326	150	238	273	294	401	347	347	281
442	34156	339	264	339	200	270	225	256	351	304	304	271
443	34157	357	238	357	213	285	308	278	439	358	358	282
444	34158	283	228	283	238	260	195	223	325	274	274	262
445	34159	317	221	317	188	252	258	293	402	347	347	272
446	34160	324	255	324	263	293	301	255	412	333	333	292
447	34161	289	263	289	238	263	194	257	395	326	326	265
448	34162	312	253	312	138	225	216	272	365	318	318	256
449	34163	317	192	317	238	277	265	222	369	295	295	277
450	34164	314	199	314	163	238	212	221	395	308	308	261
451	34165	289	246	289	188	238	222	297	361	329	329	251
452	34166	341	217	341	288	314	223	257	368	312	312	279
453	34167	297	261	297	213	255	246	299	453	376	376	283
454	34168	278	234	278	188	233	216	224	349	286	286	256
455	34169	354	265	354	238	296	271	301	438	369	369	301
456	34170	309	221	309	250	279	274	257	340	299	299	266
457	34171	306	258	306	138	222	252	257	376	316	316	287
458	34172	298	243	298	163	230	208	283	385	334	334	247
459	34173	343	213	343	263	303	248	257	412	334	334	277
460	Local Check	359	249	359	213	286	260	276	426	351	351	287
Exp. mean		318	234	318	211	265	264	259	388	323	323	277
CD		18.23	9.95	18.23	30.51	18.46	11.20	5.29	68.85	34.17	34.17	9.88
CV%		3.43	2.54	3.43	8.66	4.17	2.54	1.22	10.62	6.32	6.32	2.04

INITIAL VARIETY TRIAL-SEMI DEEP WATER (IVT-SDW)**Locations: 12****Test Entries: 35**

Checks: CR Dhan 506 –National check;
 CR Dhan 510 (Eastern & North Eastern) and MTU
 1172 (Southern) – Zonal check; and local check

Initial Variety Trial –Semi-Deep Water (IVT-SDW) was constituted with 35 test entries and 3 checks viz., CR Dhan 506 (National check); CR Dhan 510 (Eastern & North Eastern- Zonal check) and MTU 1172 (Southern-Zonal check) and local check. The trial was sent to 12 locations and data was received from 12 centres. The trial was not conducted at Arundhatinagar due to lack of land. Data from three centres were excluded from analysis viz., Ghagharaghat due to low experimental mean; Pusa and Karimganj due to low CV. The range of various parameters across the zones is presented in the following table.

Parameters of the entries across the zones in IVT – SDW, Kharif 2025

Zones	III	IV	VII
Zonal mean (kg/ha)	2469 (IET 34180) – 5039 (IET 34194)	1607 (IET 34197) – 6451 (IET 34177)	3122 (IET 34181) – 5941 (IET 34177)
Exp Mean (kg/ha)	2639 (BBN)-5027 (CHN)	4175(GER)- 4965(TTB)	4218 (MTU)-4404 (MGD)
CV%	11.42 (CHN) - 28.59 (CNG)	7.90 (TTB)-12.51 (GER)	8.98 (MGD) – 19.46 (MTU)
DFF	109 (IETs 34179, 34180) – 128 (IET 34199)	94 (IET 34180) – 129 (IET 34200)	94 (IET 34197) – 120 (CR Dhan 506, NC)
PH (cm)	110 (IET 34180) – 159 (IET 34187)	106 (IET 34174) – 164 (IET 34187)	88 (IET 34196) – 144 (IET 34193)
Pan/m ²	221 (IET 34180) – 325 (IET 34199)	234 (IET 34208) – 284 (IET 34206)	307 (IET 34181) – 387 (IET 34202)
DNI (@)	–	–	–
Locations considered	5	2	2

Water regime data from all the centers were received and desirable water level were maintained and details are as follows.

Details of water regime (cm) at different centers in IVT-SDW, Kharif 2025

	Week	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bhubaneswar	1 st			25	45	48	48	40
	2 nd			25	47	45	45	35
	3 rd		10	37	45	48	48	28
	4 th		15	45	42	45	45	20
Canning	1 st		44	61	56	35	13	
	2 nd		44	50	58	33	0	
	3 rd		52	53	53	24	0	
	4 th	37	55	53	43	25	0	
Chinsura	1 st		50	65	40	50	25	
	2 nd		50	60	35	45	15	

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	Week	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	3 rd	20	55	50	50	30	10	
	4 th	35	60	45	50	30	0	
Gerua	1 st			50	40	45	40	
	2 nd			50	45	45		
	3 rd			43	40	40		
	4 th		45	45	40	40		
Ghagraghat	1 st				13	53	43	
	2 nd				25	55	30	
	3 rd				42	51	12	
	4 th				48	50		
Karimganj	1 st	57.6	42.6	36.3	32.3	21.9	2	
	2 nd	58.2	42	34.6	31.7	20.2	0	
	3 rd	56.4	39.2	33.4	30.5	17.9	0	
	4 th	54.7	37.4	31.7	28.8	8.2	0	
Maruteru	1 st				37	42	50	
	2 nd			35	43	45	30	
	3 rd			37	45	60		
	4 th			40	45	60		
Masodha	1 st			0	45	30	17	
	2 nd			25	42	28	13	
	3 rd			49	39	22	8	
	4 th			54	35	19	5	
Mugad	1 st	0	0	5	10	30	30	10
	2 nd	0	0	5	20	30	20	5
	3 rd	0	0	10	20	40	20	5
	4 th	0	5	10	20	40	10	0
CRRICuttack	1 st			22	50	48	28	
	2 nd			28	55	50	20	
	3 rd			40	60	45	12	
	4 th		10	48	55	40	5	
Pusa	1 st		20	45	58	55		
	2 nd		20	55	58	50		
	3 rd		25	55	58			
	4 th		25	55	60			
Titabar	1 st			35	53	32	5	
	2 nd			38	62	25	5	
	3 rd			40	58	18	3	
	4 th			57	37	12		

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Data for adaptability parameters including, phenotypic acceptability, kneeing ability score, grain shattering score and elongation ability score are presented as follows.

Adaptability parameters of entries in IVT-SDW, Kharif 2025

Entry Name	Phenotypic Acceptability								Kneeing Ability score (1-5)					
	BBS	CHN	GGT	KMJ	MTU	MSD	CTK	TTB	BBS	CHN	GGT	MTU	MSD	PSA
601	5	5	3	3	3	3	3	3	1	1	1	NL	0	3
602	5	3	1	1	7	3	3	3	5	1	1	NL	0	3
603	9	5	3	5	7	3	5	7	5	5	1	5	0	1
604	7	1	1	1	3		1	3	7	1	1	1		3
605	7	3	1	3	3	5	1	3	1	1	1	1	1	3
606	7	3		3	5	1	3	3	3	1		NL	3	5
607	9	1		1	5	1	3	3	5	1		1	3	3
608	9	5	9	3	5	5	7	7	1	1	1	1	3	3
609	5	1	3	5	7	7	7	7	5	1	1	5	3	1
610	7	5	1	1	7	3	5	5	1	1	1	NL	1	3
611	7	5	3	5	3	5	5	3	1	1	1	3	3	3
612	5	1	3	1	5	3	3	3	1	1	1	3	1	3
613	5	3	1	5	7	3	1	3	1	1	1	3	1	1
614	7	1	3	1	7	5	1	3	5	1	1	1	3	5
615	9	5	3	3	7	1	3	7	9	5	1	1	1	1
616	5	1	1	3	5	5	3	3	3	1	1	3	5	5
617	5	5	1	1	7	3	3	3	1	1	5	3	3	3
618	7	3	3	3	5	1	3	7	7	1	1	3	1	3
619	1	3		5	3	5	3	3	1	1		1	3	3
620	7	1	1	1	5	1	3	3	9	1	1	1	1	3
621	5	3	1	5	3		3	3	1	1	1	NL		5
622	3	5		1	5		3	3	1	1	1	3		5
623	1	1	1	3	3	1	3	3	1	1	1	NL	3	5
624	5	1	1	1	3		3	3	7	1	1	5		5
625	5	5	3	1	3	1	3	5	9	1	1	NL	3	1
626	9	3	3	1	7	5	5	9	9	5	1	3	3	1
627	9	5	1	5	7	3	5	3	3	3	1	3	3	5
628	5	5	3	5	5		3	7	7	1	3	1		5
629	1	3		1	3		3	7	1	1		1		5
630	1	3	1	3	5	3	3	3	1	1	1	1	5	5
631	5	3	3	1	7	3	3	5	5	1	1	3	3	3
632	7	5	1	1	5	1	3	9	1	5	1	3	5	5
633	9	1	1	1	5		3	3	9	1	1	3		5
634	3	3	1	5	5	1	3	3	1	1	1	1	1	3
635	1	3	3	5	5	5	3	3	1	1	1	3	1	3
636	7	5	1	1	7	3	3	3	9	1	1	3	3	3
637	5	5	3	3	7	5	3	3	9	1	5	3	5	3
638 (LC)	3	3	1	1	3	3	3	3	9	1	3	NL	1	3

NL – Non lodging

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Adaptability parameters of entries in IVT-SDW, Kharif 2025

Entry Name	Grain Shattering score (1-9)								Elongation Ability Score (1-9)					
	BBS	CHN	GGT	KMJ	MTU	MSD	CTK	TTB	CNG	CHN	GGT	MTU	MSD	PSA
601	7	5	5	3	3	1	5	3	8.3	5	1	7	1	3
602	5	5	5	3	3	1	5	3	3.7	3	1	5	1	3
603	7	3	5	5	1	1	5	7	6.3	1	1	3	1	3
604	7	3	5	3	3		5	5	5.0	5	1	1		5
605	9	5	5	5	3	1	5	5	3.0	3	1	3	3	3
606	7	3		5	1	1	5	5	3.0	3		5	1	5
607	5	5		5	3	1	5	5	4.3	1		3	1	3
608	7	5	5	3	1	1	5	7	9.0	3	1	5	1	3
609	5	3	5	3	1	3	5	5	5.0	3	1	5	3	3
610	7	5	5	3	1	1	5	3	7.0	3	1	5	1	3
611	7	5	7	3	1	3	5	3	6.3	5	1	5	3	3
612	3	5	7	3	5	1	5	3	3.7	3	1	5	1	3
613	7	5	5	5	1	1	5	5	3.7	3	1	5	1	1
614	5	5	5	3	1	5	5	3	2.3	3	1	5	3	5
615	7	3	7	3	5	1	5	7	8.3	1	1	5	1	1
616	3	5	5	5	1	4	5	3	3.7	3	1	5	5	5
617	5	5	9	3	3	3	5	3	9.0	3	1	5	3	3
618	7	5	7	3	3	1	5	5	7.0	5	1	5	1	3
619	7	5		3	3	5	5	3	2.3	1		5	3	5
620	7	3	5	3	3	1	5	3	3.7	3	1	5	1	3
621	5	3	5	5	5		5	5	4.3	3	1	5		5
622	9	5		3	5		5	3	3.0	1		3		5
623	7	5	1	3	5	3	5	5	3.0	3	1	5	1	5
624	9	3	5	3	3		5	5	2.3	3	1	5		5
625	9	5	5	3	3	3	5	5	9.0	3	1	7	3	1
626	5	5	5	3	3	3	5	7	9.0	3	1	7	5	1
627	5	5	5	5	3	3	5	5	4.3	1	1	5	3	5
628	5	5	9	3	7		5	5	6.3	3	1	5		5
629	5	5		3	3		5	5	4.3	1		3		5
630	5	5	5	5	3	5	5	5	2.3	3	1	5	5	5
631	7	5	1	3	1	3	5	5	8.3	3	1	5	3	3
632	7	3	5	3	5	5	5	7	5.7	3	1	5	5	3
633	9	5	5	3	3		5	3	4.3	3	1	5		5
634	7	5	5	3	3	1	5	3	2.3	5	1	5	1	3
635	5	3	5	5	7	1	5	3	1.7	3	1	5	1	3
636	7	3	5	3	1	3	5	3	3.0	3	1	5	3	3
637	9	5	9	3	1	3	5	3	7.7	5	1	5	5	3
638 (LC)	9	5	5	3	3	3	5	3	9.0	3	1	5	1	3

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None of the entries found significantly superior than the best check in Zone III and Zone IV.

In Zone VII four entries (IETs 34177, 34178, 34195 and 34200) recorded significant yield advantage over the BC. Hence these four entries are promoted to second year of testing.

Performance of the entries with the required significant yield superiority over checks in IVT - SDW during Kharif 2025

S. No	IET No / Designation / Cross combination	Remarks			
		III	IV	VII	
1	34177 (CR 6551-12-4-13-1-1) Selection from LPR 102-12-4-13-1-1	-	-	5941*(1) 110 (121) days 135 cm	Promoted- VII
2	34178 (TTB 1355-18-21) Ranjit/IRBB-21/IRBB-52/Ranjit*2	-	-	5923*(2) 112 (117) days 122 cm	Promoted- VII
3	34195 (CR4565-13-9-45-52-33-9-5-7-3) MTU-1010/Bindli	-	-	5497*(3) 107 (115) days 136 cm	Promoted- VII
4	34200 (CR 3838-2-2-4-3) Savitri / AC 38562// Varshadhan	-	-	5472*(4) 104 (123) days 131 cm	Promoted- VII
	CR Dhan 506 (NC)	4115	5086	3937 120 (120)	
	Zonal Check (ZC)	5051	6234	4494 111(123)	
	Local Check (LC)	3607	4723	4393 112(120)	
	CD	437	471.41	715.05	
	BC+CD	5488	6705.41	5209.05	

Entries promoted to AVT 1 - SDW: 4

VII : IETs 34177, 34178, 34195 and 34200

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Trial No. 6.1: Composition of entries in Initial Variety Trial–Semi Deep Water (IVT-SDW) Kharif 2025

Entry No	IET No	Designation	Cross combination	Grain Type
601	34174	RPBio4918-db-NPS 58-1	Swarna/ <i>O.nivara</i> IRGC81848	LS
602	34175	CR 4696-3-26-57-2	Pooja*4/CR-3006-8-2	SB
603	34176	RPCAU 1540-4-4	Dhusari x BPT 5204	LS
604	34177	CR 6551-12-4-13-1-1	Selection from LPR 102-12-4-13-1-1	MS
605	34178	TTB 1355-18-21	Ranjit/IRBB-21/IRBB-52/Ranjit*2	SB
606	34179	CR 4696-1-2-2-1	Pooja*4/CR-3006-8-2	SB
607	CR Dhan 506 (NC)			
608	34180	RP5391-KS2202-30 (RP 5391-25-3-1-1-3-1-B)	RPBio229/IRGC11010//MTU1081	MS
609	34181	CR4562-17-8-14-69-27-3-9-13-3	CR-Dhan-304/Jyothi	LB
610	34182	OR ABT-7	Jabaphula/ Mahalaxmi	LB
611	34183	CR 6561-5-1-2-1-1	CR 3504-12-2-1-1-1-1/ CR 3573-3-1-3-1-1-1	MB
612	34184	MTU 1460 (MTU2670-12-1-1-1)	MTU 1061/ Swarna Sub 1	MS
613	34185	IR22LT1054-CN-2272	IR14A533/IR 96465-B-BGY 372-103-B//IR14A533/ABHAYA	SB
614	34186	CR 4473-4-3-2-2	Kasalath/ Lalat	MS
615	34187	ORJ 1365	Varshadhan/Upahar	MB
616	34188	CR 4581-54-8-14-52-6-7-8-14-2	CR Dhan-304/Chakhao	LB
617	34189	RP5508-KS2202-50 (RP 5508-19-1-1-1-1-2-B)	Swarna/IRGC8146//MTU1081	LS
618	34190	CR 4204-226-2-51-17-2-1	CR Dhan 307/ <i>O. Rufipogan</i> (AC-100444)//CR Dhan 307	MB
619	CR Dhan 510 (Eastern & North Eastern) and MTU 1172 (Southern): ZC			
620	34191	CR 2668-4-1-2-2-3	Gayatri/ AC.38599	LS
621	34192	OR2374-2	OR 1335-7/ Hansweswari	MB
622	34193	CR 2668-6-7-2	Chakaakhi/ AC 38599	LB
623	34194	MTU 1461 (MTU 2911-30-1-1)	MTU 1262/ MTU 1232	MB
624	34195	CR4565-13-9-45-52-33-9-5-7-3	MTU-1010/Bindli	LB
625	34196	RP5391-KS2202-90(RP5391-1-2-1-1-2-1-B)	RPBio226/IRGC11010//MTU1081	MS
626	34197	ORJ 1376	Mrunalini/ Upahar	MB
627	34198	CR-4186-2-B-3-2-B	LUNASUVARNA/RAHSPUNJAR	LB
628	34199	TTB 1355-18-2-2	Ranjit/IRBB-21/IRBB-52/Ranjit*2	LB
629	34200	CR 3838-2-2-4-3	Savitri / AC 38562// Varshadhan	MS
630	34201	MTU 1459 (MTU2716-28-1-1-12)	(MTU1140/RNR 15048)//T12	MS
631	34202	CR 3993-12-15-62-2-1	CR 1009 / <i>O. brachyantha</i> //CR 1009	SB
632	34203	ORJ 1390	Gayatri/ Indravati	LB
633	34204	CR 6562 -1-1-3-1-2-1	CR 3504-12-2-1-1-1-1/ CR 3504 -11-2-2-1-1	MS
634	34205	IR22LT1310-CN-2273	IR 115844-B-B-475-1/IR15D120//IR 127155-1-22///CR 157-392/OR 57-21/4/IR24*4/BALAMAWEE	MB
635	34206	CR -2860-5-B-S-2-1-1	VARSHADHAN/SR-26B	SB
636	34207	IR22LT1424-CN-2274	HC13518	MB
637	34208	CR 4204-226-45-15-3	CR Dhan 307/ <i>O. Rufipogan</i> (AC-100444)//CR Dhan 307	MB
638	Local check			

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Table No. 4.2: Grain Yield (kg/ha) in IVT – SDW, Kharif 2025

Entry No	IET No	Zone III									
		OD				OD(2)		WB			
		CTK		BBN		mean		CHN		CNG	
601	34174	4117		2487		3302		4091		1000	2545
602	34175	4273		2259		3266		5546	10	4688	5117
603	34176	3783		1236		2510		4098		2672	3385
604	34177	5172		1909		3540		5762	6	3588	4675
605	34178	5638	6	3190	10	4414	8	4719		4672	4696
606	34179	4858		1835		3347		5265		4746	5005
607	CR Dhan 506 (NC)	5116		1048		3082		5516		4075	4796
608	34180	2370		1330		1850		4177		629	2403
609	34181	3371		2727		3049		4524		3160	3842
610	34182	5296		1317		3307		4678		1972	3325
611	34183	3772		1385		2578		4426		2814	3620
612	34184	4687		3247	9	3967		5660	7	4375	5017
613	34185	6124	3	3421	8	4772	5	5854	3	4065	4960
614	34186	6561	1	1358		3960		6714	1*	4968	5841
615	34187	2036		2492		2264		4377		1108	2743
616	34188	4168		3087		3627		5580	8	4354	4967
617	34189	3514		2122		2818		4413		924	2668
618	34190	5438	8	2805		4122		4929		1778	3354
619	Zonal Check	5682	5	5508	3	5595	3	5446		4951	5199
620	34191	3890		1961		2926		5822	4	4113	4967
621	34192	5397	9	3733	7	4565	7	5312		4015	4664
622	34193	4996		3047		4021		4860		4101	4481
623	34194	5349	10	5889	2	5619	2	5553	9	4868	5210
624	34195	4588		2398		3493		5462		5047	5255
625	34196	3744		2622		3183		4271		581	2426
626	34197	1703		1097		1400		5464		811	3137
627	34198	3205		1241		2223		4562		3688	4125
628	34199	4514		2783		3648		4081		2535	3308
629	34200	5775	4	4784	4	5280	4	5241		3825	4533
630	34201	5634	7	6349	1*	5992	1	5014		5092	5053
631	34202	6455	2	2206		4330	9	4963		1151	3057
632	34203	2421		1464		1943		4393		3106	3749
633	34204	4477		1173		2825		6090	2	4138	5114
634	34205	4693		2346		3519		5796	5	5025	5411
635	34206	4882		4373	5	4628	6	5090		5589	5340
636	34207	4138		1983		3061		4321		4622	4472
637	34208	3959		2128		3043		4585		1789	3187
638	Local check	4388		3946	6	4167	10	4381		468	2425
	Exp. mean	4478.48		2639.07		3558.77		5027.33		3292.14	4159.74
	CD	929.60		437.46		537.25		780.80		1280.18	776.19
	CV%	15.26		12.19		11.10		11.42		28.59	13.72
	F value @ 5%	S		S		S		S		S	
	D/S	25.06.2025		21.06.2025				19.06.25		10-07-2025	
	D/P	30.07.2025		21.07.2025				04.08.25		18-08-2025	
	Local Check Name	CR DHAN 508		Kalingadhan 1502				Rajdeep (IET 17713)		Amalmana	

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – SDW, Kharif 2025

Entry No	IET No	Zone III								Zone III(5)	
		BI		UP				UP (1)		mean	
		PSA@		GGT@		MSD		mean			
601	34174	4069		1197		4796		4796		3298	
602	34175	4156		816		4902	5	4902	5	4334	
603	34176	4281	6	1285		4446		4446		3247	
604	34177	3585		2305	9					4107	
605	34178	4148		2527	3	3626		3626		4369	
606	34179	3142				5208	1	5208	1	4383	
607	CR Dhan 506 (NC)	3981				4818		4818		4115	
608	34180	4177	8	754		3839		3839		2469	
609	34181	4363	3	576		4300		4300		3616	
610	34182	4201	7	1516		4867	8	4867	8	3626	
611	34183	4070		931		4419		4419		3363	
612	34184	4174	9	2504	4	4552		4552		4504	10
613	34185	4333	5	2615	2	4929	4	4929	4	4879	6
614	34186	3108		2305		4295		4295		4779	7
615	34187	4407	1	953		4880	7	4880	7	2979	
616	34188	3752		1684		3723		3723		4182	
617	34189	3976				4402		4402		3075	
618	34190	4162	10	1374		3466		3466		3683	
619	Zonal Check	3775				3666		3666		5051	3
620	34191	4044		1906		4774		4774		4112	
621	34192	3138		1618						4614	8
622	34193	2949								4251	
623	34194	3263		2416	5	4885	6	4885	6	5309	1 (5.1%)
624	34195	3561		2150						4374	
625	34196	4349	4	1197		4499		4499		3143	
626	34197	4365	2	953		4747		4747		2764	
627	34198	3310		754		4801		4801		3499	
628	34199	3131		842						3478	
629	34200	3112								4906	5
630	34201	3295		3502	1	3848		3848		5187	2
631	34202	4118		731		4823		4823		3919	
632	34203	3770		1640		3870		3870		3051	
633	34204	3258		1064						3969	
634	34205	3986		2394	7	5062	2	5062	2	4584	9
635	34206	3982		2017		4836	10	4836	10	4954	4
636	34207	3982		2416	5	4947	3	4947	3	4002	
637	34208	4075		1884		4153		4153		3323	
638	Local check	3945		2394	7	4854	9	4854	9	3607	
	Exp. mean	3828.79		1663.07		4491.39		4491.39		3976.53	
	CD	207.93		769.32		839.34		839.34		437.00	
	CV%	3.99		33.93		13.70		13.70		8.08	
	F value @ 5%	S		S		S		S		S	
	D/S	20-06-2025		27-06-2025		21.07.2025					
	D/P	18-07-2025		DIRECT SEEDED		22.08.2025					
	Local Check Name	Sudha		JALPRIYA		NDR 9930111					

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – SDW, Kharif 2025

Entry No	IET No	Zone IV							Zone IV (2)	
		AS					AS (2)			
		TTB	GER		KMJ@		mean		mean	
601	34174	5098		3403		3433		4250		4250
602	34175	6253	9	5595	5	4133		5924	4	5924
603	34176	3397		1766		4600	3	2582		2582
604	34177	6791	4	6111	1	3133		6451	1	6451
605	34178	4633		4240		3100		4437		4437
606	34179	6370	7	4544		3200		5457	9	5457
607	CR Dhan 506 (NC)	4960		5213		3200		5086		5086
608	34180	2949		1871		3167		2410		2410
609	34181	3162		2678		3467		2920		2920
610	34182	4091		3238		5033	2	3664		3664
611	34183	5687		4735		5233	1	5211		5211
612	34184	4859		5308		3533		5083		5083
613	34185	4162		4336		3367		4249		4249
614	34186	7020	1	5634	4	3200		6327	2	6327
615	34187	2694		1463		3700		2078		2078
616	34188	5300		5339		3800		5319		5319
617	34189	6754	5	2574		3367		4664		4664
618	34190	3249		3234		4200		3241		3241
619	Zonal Check	6825	2	5642	3	3600		6234	3	6234
620	34191	6158	10	5386	9	4033		5772	7	5772
621	34192	5347		4618		4300	8	4982		4982
622	34193	6700	6	4345		3967		5522	8	5522
623	34194	4993		5773	2	3233		5383	10	5383
624	34195	5545		4744		4067		5145		5145
625	34196	4128		2886		4267	9	3507		3507
626	34197	2273		942		4367	7	1607		1607
627	34198	5189		3247		3600		4218		4218
628	34199	3919		4345		3067		4132		4132
629	34200	3811		5464	7	3467		4638		4638
630	34201	5040		5447	8	4200		5244		5244
631	34202	4441		3971		4267	9	4206		4206
632	34203	2451		3511		3433		2981		2981
633	34204	6801	3	4813		4267	9	5807	6	5807
634	34205	6293	8	5512	6	4567	5	5903	5	5903
635	34206	5051		5382	10	4600	3	5216		5216
636	34207	5552		4201		3833		4877		4877
637	34208	5549		2869		3267		4209		4209
638	Local check	5158		4288		4467	6	4723		4723
	Exp. mean	4964.56		4175.46		3835.09		4570.01		4570.01
	CD	533.09		710.63		140.31		471.41		471.41
	CV%	7.90		12.51		2.69		7.58		7.58
	F value @ 5%	S		S		S		S		S
	D/S	07.07.2025		07-07-2025		05-07-2025				
	D/P	04.08.2025		24-07-2025		03-08-2025				
	Local Check Name	Surma Dhan		Ranjit Sub 1		Bahadur				

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Table No. 4.2 (Contd.): Grain Yield (kg/ha) in IVT – SDW, Kharif 2025

Entry No	IET No	Zone VII				Zone VII(2)		Overall (9)	
		AP		KA					
		MTU		MGD		mean		mean	
601	34174	3468		3375		3482		3544	
602	34175	4200		4098		4175		4664	
603	34176	2498		4357		3696		3157	
604	34177	6250	3	5813	1*	5941	1*	5125	4
605	34178	6575	2	5670	2*	5923	2*	4697	
606	34179	4450		4070		4215		4599	
607	CR Dhan 506 (NC)	4800		3497		3937		4314	
608	34180	2650		4432		3843		2691	
609	34181	2450		3484		3122		3340	
610	34182	2600		4104		3549		3607	
611	34183	5125		3801		4304		3979	
612	34184	4550		5266	6*	5035	7	4727	
613	34185	3525		3497		3612		4476	
614	34186	3825		5638	3*	4973	8	5165	3
615	34187	3598		3760		3707		2900	
616	34188	4200		4785	12*	4545		4511	
617	34189	1936		4442		3580		3521	
618	34190	3025		4914	11*	4245		3670	
619	Zonal Check	5250	10	4114		4494		5225	2
620	34191	3475		5253	7*	4617	10	4580	
621	34192	5750	6	5101	9*	5202	5	4874	7
622	34193	4725		4295		4366		4630	
623	34194	5550	7	4920	10*	5050	6	5297	1
624	34195	5936	4	5363	4*	5497	3*	4825	8
625	34196	3325		3957		3742		3339	
626	34197	2250		5340	5*	4244		2757	
627	34198	4073		5121	8*	4744	9	3889	
628	34199	4425		4475		4414		3851	
629	34200	7325	1*	4651		5472	4*	5013	6
630	34201	5450	8	3785		4358		5056	5
631	34202	3235		4445		4104		3994	
632	34203	5311	9	3670		4136		3265	
633	34204	3500		4690	13*	4304		4519	
634	34205	3925		3705		3740		4730	10
635	34206	4150		3634		3760		4786	9
636	34207	3800		3819		3828		4167	
637	34208	3300		4381		4041		3645	
638	Local check	5807	5	3634		4393		4027	
	Exp. mean	4218.10		4404.18		4326.18		4188.31	
	CD	1130.69		537.68		715.05		321.88	
	CV%	19.46		8.98		12.15		5.65	
	F value @ 5%	S		S		S		S	
	D/S	06-07-2025		12.07.25					
	D/P	09-08-2025		28.07.25					
	Local Check Name	Bheema(MTU 1140)		Hemavathi					

Table No. 4.3: Days to 50% flowering in IVT – SDW, Kharif 2025

Entry No	IET No	Zone III										Zone III(5)
		OD		OD(2)	WB		WB(2)	BI	UP		UP (1)	
		CTK	BBN	mean	CHN	CNG	mean	PSA@	GGT@	MSD	mean	
601	34174	118	108	113	127	105	116	112	95	106	106	113
602	34175	138	130	134	126	109	118	103	134	133	133	127
603	34176	119	121	120	121	103	112	102	120	123	123	117
604	34177	132	123	128	130	108	119	95	112	133	133	126
605	34178	128	88	108	136	101	119	103	120	124	124	115
606	34179	99	137	118	133	110	122	123		127	127	109
607	CR Dhan 506 (NC)	117	137	127	136	108	122	113		131	131	117
608	34180	113	90	102	104	108	106	98	83	127	127	109
609	34181	115	114	115	126	99	113	100	97	131	131	117
610	34182	132	93	113	115	107	111	98	97	113	113	112
611	34183	117	103	110	124	106	115	109	97	113	113	113
612	34184	127	125	126	135	109	122	116	124	110	110	121
613	34185	116	126	121	121	109	115	106	103	118	118	118
614	34186	116	124	120	126	105	116	130	126	120	120	118
615	34187	100	118	109	120	107	113	96	115	128	128	115
616	34188	108	112	110	125	106	116	119	94	130	130	116
617	34189	133	90	112	112	105	108	98	88	126	126	113
618	34190	131	108	120	115	103	109	100	99	114	114	114
619	Zonal Check	127	137	132	136	102	119	116		124	124	123
620	34191	135	126	131	131	99	115	105	107	124	124	123
621	34192	128	142	135	135	106	121	123	125	127	127	128
622	34193	118	143	131	138	104	121	118		110	110	115
623	34194	110	124	117	129	104	116	129	123	110	110	115
624	34195	112	118	115	125	108	117	118	105	127	127	118
625	34196	128	101	115	110	109	109	101	87	111	111	112
626	34197	113	116	115	115	108	112	98	106	114	114	113
627	34198	129	124	127	125	102	114	102	124	112	112	119
628	34199	132	133	133	138	105	122	118	123	134	134	128
629	34200	112	143	127	137	108	123	118		123	123	121
630	34201	115	129	122	135	105	120	116	124	123	123	121
631	34202	110	103	107	117	109	113	97	98	124	124	113
632	34203	114	121	117	124	107	116	105	118	122	122	118
633	34204	118	121	119	120	111	116	104	97	134	134	121
634	34205	117	132	125	131	112	121	100	113	123	123	123
635	34206	127	128	128	126	106	116	106	132	117	117	121
636	34207	115	104	110	117	104	110	102	110	110	110	110
637	34208	110	107	109	117	107	112	105	104	120	120	112
638	Local check	136	128	132	126	110	118	97	106	118	118	124
	Exp. mean	120	119	120	125	106	116	108	109	121	121	118
	CD	1.64	0.85	0.91	2.57	1.51	1.41	2.36	11.00	2.75	2.75	0.90
	CV%	1.00	0.52	0.56	1.51	1.05	0.89	1.61	7.39	1.66	1.66	0.56

Table No. 4.3 (Cont.): Days to 50% flowering, in IVT – SDW, Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2)	Zone VII		Zone VII(2)	Overall (9)
		AS			AS (2)		AP	KA		
		TTB	GER	KMJ@	mean	mean	MTU	MGD	mean	mean
601	34174	108	103	112	106	106	109	102	104	110
602	34175	114	121	107	118	118	113	106	108	121
603	34176	113	103	101	108	108	110	97	101	112
604	34177	116	117	113	117	117	120	106	110	121
605	34178	128	124	100	126	126	125	105	112	117
606	34179	120	124	112	122	122	121	116	119	120
607	CR Dhan 506 (NC)	119	124	106	122	122	125	118	120	120
608	34180	91	97	111	94	94	114	94	101	104
609	34181	113	117	106	115	115	113	104	107	115
610	34182	101	97	108	99	99	104	98	100	107
611	34183	104	107	107	105	105	107	103	105	109
612	34184	125	124	113	125	125	123	107	112	120
613	34185	115	103	99	109	109	113	97	102	113
614	34186	120	121	100	121	121	111	115	114	118
615	34187	108	103	106	106	106	109	105	106	111
616	34188	115	117	104	116	116	106	105	105	114
617	34189	104	97	109	100	100	103	97	99	108
618	34190	106	97	110	102	102	107	104	105	110
619	Zonal Check	121	124	113	122	122	125	104	111	123
620	34191	126	103	112	114	114	121	106	111	119
621	34192	98	124	104	111	111	129	115	120	122
622	34193	121	124	114	122	122	127	115	119	124
623	34194	125	124	109	125	125	118	105	109	117
624	34195	114	117	110	116	116	110	107	107	115
625	34196	103	97	112	100	100	105	98	101	107
626	34197	103	97	112	100	100	103	89	94	107
627	34198	113	112	104	113	113	122	106	111	116
628	34199	98	124	111	111	111	128	115	120	123
629	34200	127	131	110	129	129	129	91	104	123
630	34201	127	124	107	126	126	126	102	110	120
631	34202	103	103	116	103	103	103	97	99	108
632	34203	119	112	111	116	116	120	104	109	116
633	34204	110	107	112	108	108	114	105	108	116
634	34205	115	117	114	116	116	112	97	102	118
635	34206	113	117	114	115	115	121	104	110	118
636	34207	109	103	106	106	106	111	108	109	109
637	34208	105	107	114	106	106	105	104	105	109
638	Local check	113	124	112	119	119	122	107	112	120
	Exp. mean	113	113	109	113	113	115	104	108	115
	CD	1.26	0.00	0.46	0.63	0.63	2.21	2.24	3.43	0.73
	CV%	0.82	0.00	0.31	0.41	0.41	1.40	1.58	2.34	0.47

Table No. 4.4: Plant height (cm) in IVT-SDW, Kharif 2025

Entry No	IET No	Zone III										Zone III(5)
		OD		OD(2)	WB		WB(2)	BI	UP		UP (1)	
		CTK	BBN	mean	CHN	CNG	mean	PSA@	GGT@	MSD	mean	mean
601	34174	129	99	114	99	113	106	135	118	134	134	115
602	34175	143	127	135	145	132	139	122	110	93	93	128
603	34176	170	191	180	143	142	142	125	157	103	103	150
604	34177	166	160	163	141	131	136	140	130	100	100	140
605	34178	151	141	146	120	124	122	141	117	103	103	128
606	34179	145	151	148	133	133	133	114	98	136	136	140
607	CR Dhan 506 (NC)	153	161	157	135	136	135	117	136	160	160	149
608	34180	142	104	123	119	88	104	127	105	96	96	110
609	34181	152	146	149	150	145	147	136	127	91	91	137
610	34182	151	113	132	135	116	126	120	132	104	104	124
611	34183	133	122	128	104	114	109	116	96	91	91	113
612	34184	142	133	138	122	132	127	117	109	107	107	127
613	34185	129	123	126	130	127	129	129	107	96	96	121
614	34186	160	141	151	139	134	137	122	121	101	101	135
615	34187	195	184	189	184	150	167	116	148	81	81	159
616	34188	141	120	130	128	128	128	127	111	110	110	125
617	34189	147	127	137	138	94	116	135	118	102	102	122
618	34190	131	113	122	130	110	120	120	113	111	111	119
619	Zonal Check	139	144	142	125	139	132	121	131	115	115	132
620	34191	141	139	140	143	125	134	135	120	112	112	132
621	34192	156	145	151	153	136	145	118	125	119	119	142
622	34193	167	165	166	165	149	157	114	124	110	110	151
623	34194	139	127	133	109	126	118	120	103	131	131	126
624	34195	157	147	152	154	138	146	129	116	120	120	143
625	34196	134	110	122	117	99	108	122	113	107	107	113
626	34197	151	162	157	159	113	136	140	131	91	91	135
627	34198	184	155	170	170	143	156	139	164	102	102	151
628	34199	141	132	137	135	128	132	110	116	103	103	128
629	34200	155	170	162	134	138	136	135	107	100	100	139
630	34201	136	136	136	123	136	129	130	126	105	105	127
631	34202	156	120	138	126	110	118	119	117	90	90	121
632	34203	163	155	159	174	134	154	116	143	86	86	143
633	34204	144	132	138	132	130	131	147	103	103	103	128
634	34205	131	122	126	122	133	127	138	113	85	85	118
635	34206	146	140	143	135	130	132	127	102	105	105	131
636	34207	140	122	131	121	127	124	124	109	101	101	122
637	34208	137	109	123	121	106	114	135	114	109	109	117
638	Local check	142	126	134	108	84	96	144	106	102	102	112
	Exp. mean	148.39	137.27	142.83	134.76	125.67	130.22	126.81	119.37	105.66	105.66	130.35

Table No. 4.4 (Contd.): Plant height (cm) in IVT – SDW, Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2)	Zone VII		Zone VII(2)	Overall (9)
		AS			AS (2)		AP	KA		
		TTB	GER	KMJ@	mean	mean	MTU	MGD	mean	mean
601	34174	113	99	140	106	106	109	67	88	107
602	34175	121	112	132	116	116	135	75	105	120
603	34176	159	160	138	159	159	143	104	123	146
604	34177	161	138	155	149	149	166	82	124	138
605	34178	117	119	135	118	118	145	78	112	122
606	34179	131	112	126	121	121	126	70	98	126
607	CR Dhan 506 (NC)	164	146	135	155	155	157	88	122	144
608	34180	135	117	134	126	126	129	75	102	112
609	34181	163	131	137	147	147	142	98	120	135
610	34182	134	125	131	130	130	124	86	105	121
611	34183	128	112	130	120	120	133	74	103	112
612	34184	116	115	143	115	115	133	76	105	120
613	34185	115	110	145	113	113	124	68	96	114
614	34186	151	137	142	144	144	134	84	109	131
615	34187	176	152	135	164	164	122	131	127	153
616	34188	125	120	123	123	123	136	88	112	122
617	34189	126	122	129	124	124	134	87	110	120
618	34190	120	117	136	119	119	125	86	106	116
619	Zonal Check	121	121	135	121	121	125	76	101	123
620	34191	125	121	129	123	123	132	93	113	126
621	34192	144	136	133	140	140	153	91	122	137
622	34193	161	139	136	150	150	176	111	144	149
623	34194	120	113	139	116	116	131	75	103	119
624	34195	155	117	133	136	136	140	93	117	136
625	34196	129	115	125	122	122	106	69	88	110
626	34197	160	147	122	154	154	111	86	99	131
627	34198	167	159	131	163	163	163	76	120	147
628	34199	135	128	142	131	131	152	74	113	125
629	34200	93	137	106	115	115	169	87	128	131
630	34201	120	120	142	120	120	136	112	124	125
631	34202	138	125	144	132	132	126	85	105	120
632	34203	152	156	148	154	154	133	97	115	139
633	34204	138	96	141	117	117	132	87	110	122
634	34205	133	121	132	127	127	135	77	106	118
635	34206	142	125	129	134	134	124	83	103	125
636	34207	132	117	139	125	125	140	83	111	120
637	34208	133	114	142	124	124	123	94	108	116
638	Local check	141	137	147	139	139	135	110	122	121
	Exp. mean	136.70	126.01	135.23	131.35	131.35	135.80	86.23	111.01	126.28

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Table No. 4.5: Number of Panicles/m² of entries in IVT-SDW, Kharif 2025

Entry No	IET No	Zone III										Zone III (5)
		OD		OD(2)	WB		WB(2)	BI	UP		UP (1)	
		CTK	BBN	mean	CHN	CNG	mean	PSA@	GGT@	MSD	mean	
601	34174	309	220	264	253	253	253	238	114	230	230	253
602	34175	309	304	307	319	320	320	234	117	233	233	297
603	34176	302	249	276	231	280	256	235	130	243	243	261
604	34177	326	293	309	297	330	314	218	124			311
605	34178	289	266	278	286	357	321	242	137	210	210	282
606	34179	298	281	289	297	377	337	232	78	244	244	299
607	CR Dhan 506 (NC)	272	284	278	231	350	291	226	117	216	216	271
608	34180	271	197	234	231	170	201	235	83	235	235	221
609	34181	261	191	226	253	307	280	253	125	242	242	251
610	34182	363	190	277	275	237	256	240	110	221	221	257
611	34183	290	208	249	297	290	294	227	105	222	222	261
612	34184	344	296	320	275	333	304	234	128	265	265	303
613	34185	306	276	291	286	327	306	238	134	220	220	283
614	34186	318	282	300	297	363	330	243	123	214	214	295
615	34187	349	328	339	275	290	283	225	126	226	226	294
616	34188	330	227	278	275	370	323	236	111	259	259	292
617	34189	263	190	227	242	203	223	232	86	269	269	234
618	34190	280	262	271	275	247	261	233	116	239	239	261
619	Zonal Check	304	243	274	319	353	336	214	86	233	233	290
620	34191	311	270	291	308	307	307	241	130	240	240	287
621	34192	310	256	283	253	380	317	235	127			300
622	34193	319	211	265	264	373	319	211	127			292
623	34194	293	230	261	253	373	313	228	121	269	269	284
624	34195	311	267	289	297	363	330	222	132			310
625	34196	321	217	269	308	180	244	226	130	259	259	257
626	34197	327	205	266	242	190	216	228	117	223	223	237
627	34198	346	274	310	319	323	321	252	122	265	265	305
628	34199	346	298	322	330	327	328	224	109			325
629	34200	322	254	288	275	387	331	224	71			310
630	34201	316	271	294	297	407	352	226	137	207	207	300
631	34202	352	257	304	286	250	268	233	114	259	259	281
632	34203	316	279	298	253	280	267	224	126	246	246	275
633	34204	288	272	280	275	343	309	224	125			294
634	34205	282	290	286	264	333	299	219	134	215	215	277
635	34206	312	258	285	253	360	307	232	103	231	231	283
636	34207	322	243	283	297	357	327	219	132	274	274	298
637	34208	302	227	265	286	230	258	223	117	238	238	257
638	Local check	285	235	260	275	213	244	229	134	243	243	250
	Exp. mean	310	253	281	278	309	293	230	117	238	238	280
	CD	40	25	24	44	55	35	10	21	15	15	18
	CV%	10	7	6	12	13	9	3	13	5	5	5

Table No. 4.5: (Contd.) Number of Panicles/m² of entries in IVT-SDW, Kharif 2025

Entry No	IET No	Zone IV				Zone IV (2) mean	Zone VII		Zone VII(2) mean	Overall (9) mean
		AS			AS (2)		AP	KA		
		TTB	GER	KMJ@	mean		MTU	MGD		
601	34174	254	247	237	251	251	372	328	343	270
602	34175	271	275	263	273	273	370	314	330	299
603	34176	320	246	252	283	283	403	370	380	289
604	34177	279	259	205	269	269	380	361	361	312
605	34178	292	261	227	277	277	420	301	348	293
606	34179	251	261	216	256	256	361	332	342	297
607	CR Dhan 506 (NC)	251	239	203	245	245	374	363	362	283
608	34180	249	233	222	241	241	439	331	368	255
609	34181	260	231	205	246	246	354	280	307	261
610	34182	251	234	320	243	243	402	303	344	270
611	34183	267	249	240	258	258	359	303	321	273
612	34184	230	257	221	243	243	410	294	337	296
613	34185	282	251	214	267	267	307	345	329	289
614	34186	271	251	212	261	261	443	291	340	298
615	34187	300	247	219	274	274	359	297	323	294
616	34188	277	263	216	270	270	386	339	350	299
617	34189	290	245	236	267	267	372	338	349	264
618	34190	249	242	226	245	245	364	306	329	270
619	Zonal Check	265	254	194	260	260	299	321	318	287
620	34191	249	263	244	256	256	348	314	324	288
621	34192	262	251	241	257	257	438	344	371	305
622	34193	279	236	247	257	257	380	329	345	295
623	34194	269	266	216	268	268	422	331	360	296
624	34195	237	262	230	250	250	367	343	347	303
625	34196	271	264	250	268	268	368	291	313	271
626	34197	264	248	281	256	256	450	258	324	260
627	34198	288	245	226	267	267	222	359	309	296
628	34199	267	243	209	255	255	368	332	341	311
629	34200	250	260	229	255	255	401	341	359	307
630	34201	269	255	235	262	262	319	341	328	297
631	34202	260	257	262	258	258	369	394	387	296
632	34203	277	263	229	270	270	372	310	334	285
633	34204	267	247	244	257	257	397	303	334	294
634	34205	262	266	254	264	264	355	303	318	283
635	34206	301	266	298	284	284	432	312	352	297
636	34207	250	252	239	251	251	391	289	322	293
637	34208	236	232	222	234	234	432	299	342	269
638	Local check	262	255	242	258	258	350	326	329	268
	Exp. mean	266	252	235	259	259	378	322	340	287
	CD	16	20	8	13	13	71	44	41	15
	CV%	4	6	2	4	4	14	10	9	4

INITIAL VARIETY TRIAL - DEEP WATER (IVT - DW)

Locations : 2

Test Entries : 8

Checks : CR Dhan 500 (National check), CR Dhan 502 (Zonal check) and local check (Sabita/CR Dhan 512)

Initial varietal trial for deep water condition (IVT-DW) was constituted with 8 test entries and 3 checks (Trial no. 7). All the 8 test entries were in the first year of testing. The trial was sent to 3 locations for evaluation and the data was received from all 3 locations. The information related to adaptability parameters such as seedling survival (%), submergence tolerance (%), elongation ability score, kneeing ability score, grain shattering score and phenotypic acceptability score were recorded. The data on yield, days to 50% flowering, plant height and number of panicles/m² of test entries in initial varietal trial for deep water conducted during kharif 2025 is provided in Tables 7.2-7.5

The range of various parameters across the zones is presented in the following table.

Zones	III
Zonal mean (kg/ha)	4423.99 (LC)- 5922.8 (IET 34214)
Exp Mean (kg/ha)	4914.09 (CTK)-5484.39 (CHN)
CV%	9.16 (CTK)-11.65 (CHN)
DFF	112.88 (IET 34215)-142.88 (ZC)
PH (cm)	120.4 (IET 34215)-168.73 (NC)
Pan/m ²	214.5 (IET 34215) 304.43 (IET 34209)
Locations considered	2

On overall basis, the experimental mean yield ranged from 4432 kg/ha (IET 34209) to 5923 kg/ha (IET 34214) and days to 50% flowering from 114 days (IET 34209) to 143 days (ZC CR Dhan 502) among test entries. The plant height of test entries ranged from 120 cm (IET 34215) to 169 cm (CR Dhan 500, National check) and number of panicles/m² ranged from 215 (IET 34215) to 304 (IET 34209).

Though all the test entry except the test entry IET 34209, IET 34210 performed significantly better than local but no entry found to perform better than the best varietal check (BVC + CD). So of all these entries on the overall basis in Zone III was not promising considering the best varietal check (BVC + CD).

Entries promoted to AVT-1

➤ Nil

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Details of water regime(cm) at different centers in IVT DW,Kharif 2025

Location	week	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Chinsurah	1st		50	82	80	50	25	5
	2nd		50	100	65	45	15	
	3rd	20	65	95	50	30	10	
	4th	35	70	85	50	30		
Ghagrahat	1st				20	85	50	
	2nd				40	80	40	
	3rd				60	75	30	
	4th				80	70	20	
CRRI,Cuttack	1st			60	80	80	55	
	2nd			65	85	70	50	
	3rd			70	90	65	45	
	4th			70	80	60	25	

Adaptability parameters of entries in IVT DW, Kharif-2025

Entry No.	Kneeing Ability Score(1-5)			Grain Shattering Score(1-9)			Phenotypic Acceptability Score(1-9)			Elongation Ability Score(1-9)		
	CHN	GGT	CRRI	CHN	GGT	CTK	CHN	GGT	CRRI	CHN	GGT	CTK
701	5	1		5	3			3		5	1	
702	3	1		3	5			3		3	1	
703	3			3				1		5		
704	2	1		5	5			3		5	1	
705	1	1		3	5			1		1	1	
706	5			3				1		5		
707	3			5				3		1		
708	3	1		3	5			1		1	1	
709	5	1		5	7			3		5	1	
710	3			5				5		3		
711 (LC)	3	1		5	9			5		3	1	

Trial no. 7. 1. Composition of entries in Initial Variety Trial-Deep Water (IVT-DW), Kharif 2025

Entry No.	IET No.	Designation	Cross combination	Grain Type
1st year of testing				
701	34209	CR 3993-13-14-52-2	CR 1009 /O. brachyantha//CR 1009	SB
702	34210	CR 6552-12-9-4-1-2	LPR 106-12-9-4-1-2	MS
703	34211	IR22LT1342-CN -2255	OM 4900/IR 96321-558-563-B-2-1-3//IR 127152-2-10/IR 127155-1-22///BG 380-2/IR 96465-B-BGY 372-103/4/IR24*4/BALAMAWEE	MB
704	34212	CR 4439-46-8-1	Puja/ CR Dhan 305	SB
705	CR Dhan 500(NC)			
706	34213	CR 6557-60-6	Selection from TTB 1048-60-6	MS
707	CR Dhan 502 (ZC)			
708	34214	CR 2538-42-17-32-3-1	Varshadhan*3/IR 49870-7	LB
709	34215	IR22LT1071-CN-2271	HC8150	MB
710	34216	CR 2628-5-3-1-1-2	Durga/ AC 38599	LB
711	Local Check			

TableNo.7.2. GrainYield (Kg/ha) of entries in IVT-DW, Kharif 2025

Entry No	IET No	Zone III						Zone III (2)		Overall (2)	
		OD		WB		UP					
		CTK		CHN		GGT@		mean		mean	
701	34209	4803	7	4062	11	981	4	4432	10	4432	10
702	34210	5145	4	6156	4	1961	2	5651	3	5651	3
703	34211	4838	6	6585	1*			5711	2	5711	2
704	34212	4990	5	5247	7	1795	3	5119	7	5119	7
705	CR Dhan 500(NC)	5393	2	5802	5	499	7	5597	4	5597	4
706	34213	4510	10	6394	3			5452	5	5452	5
707	CR Dhan 502 (ZC)	4560	8	4811	9			4686	9	4686	9
708	34214	5358	3	6488	2	798	6	5923	1	5923	1
709	34215	4490	11	5338	6	964	5	4914	8	4914	8
710	34216	5438	1	5129	8			5283	6	5283	6
711	Local Check	4533	9	4315	10	3009	1	4424	11	4424	11
Exp. mean		4914.09		5484.39		1429.52		5199.24		5199.24	
CD		540.97		767.78		290.23		468.89		468.89	
CV%		9.16		11.65		16.51		7.51		7.51	
F value @ 5%		S		S		S		S		S	
D/S		26.06.2025		20.06.25		Direct Seeded					
D/P		22.07.2025		06.08.25		Jalbhawani					
Local Check Name		CR Dhan 512		Sabita							

TableNo.7.3. Days to 50% flowering of entries in IVT-DW,Kharif 2025

Entry No	IET No	Zone III			Zone III(2)	Overall (2)
		OD	WB	UP		
		CTK	CHN	GGT@	mean	mean
701	34209	110	117	100	114	114
702	34210	129	134	123	131	131
703	34211	115	129		122	122
704	34212	139	131	123	135	135
705	CR Dhan 500(NC)	135	137	132	136	136
706	34213	131	133		132	132
707	CR Dhan 502 (ZC)	137	149		143	143
708	34214	144	142	135	143	143
709	34215	100	126	113	113	113
710	34216	100	151		126	126
711	Local Check	135	125	124	130	130
Exp. mean		125	134	121	129	129
CD		1.46	1.84	8.84	1.20	1.20
CV%		0.97	1.14	5.93	0.77	0.77

TableNo.7.4: Plant height of entries in IVT-DW, Kharif 2025

Entry No	IET No	Zone III			Zone III(2)	Overall (2)
		OD	WB	UP		
		CTK	CHN	GGT@	mean	mean
701	34209	131	120	111	125	125
702	34210	140	130	133	135	135
703	34211	129	127	108	128	128
704	34212	165	112	114	139	139
705	CR Dhan 500(NC)	169	169	135	169	169
706	34213	136	120	115	128	128
707	CR Dhan 502 (ZC)	167	163	142	165	165
708	34214	174	162	128	168	168
709	34215	119	122	120	120	120
710	34216	146	142	129	144	144
711	Local Check	129	153	178	141	141
Exp. mean		146	138	128	142	142

TableNo.7.5: No. of Panicles/m² of entries in IVT-DW, Kharif 2025

Entry No	IET No	Zone III			Zone III (2)	Overall (2)
		OD	WB	UP		
		CTK	CHN	GGT@	mean	mean
701	34209	254	355	105	304	304
702	34210	287	305	117	296	296
703	34211	249	289	116	269	269
704	34212	267	289	116	278	278
705	CR Dhan 500(NC)	269	231	92	250	250
706	34213	284	314	114	299	299
707	CR Dhan 502 (ZC)	276	215	96	245	245
708	34214	268	198	117	233	233
709	34215	206	223	92	215	215
710	34216	284	190	73	237	237
711	Local Check	259	223	113	241	241
Exp. mean		264	257	105	261	261
CD		34.53	58.61	14.35	35.51	35.51
CV%		10.89	18.96	11.43	11.34	11.34

**ADVANCED & INITIAL VARIETAL TRIAL – RAINFED DIRECT SEEDED –
MEDIUM DURATION (AVT 1 &-IVT-R-DS-M)**

Location: 13

Test Entries: 57

Checks: DRR Dhan 42, CR Dhan 804, CR Dhan 312, CR Dhan 704 (Hybrid check) and Local check

Direct Seeded Rice (DSR) cultivation is an age-old practice in rainfed medium land in plateau region comprising the states of Jharkhand, Chattisgarh, Odisha, M.P., U.P. and parts of West Bengal. It is estimated to have around 2.5 – 3.0 million hectare rice area is under Direct Seeded Rice of medium duration in medium land situation, in such land usually broadcasting of paddy seeds is done either with sprouted or unsprouted seeds at the beginning of monsoonal rain. Sometimes line sowing with seed drill is done behind the furrow at a distance of 15-20 cm between row and 5-10 cm within row. Generally, variety with 115-130 maturity duration are preferred.

DSR is gaining popularity in recent years due to escalating cost of production, unavailability of labourer for transplanting, change in rainfall pattern and uncertainty in adequate rainfall due to climate change. Availability of potent pre and post emergence herbicide that effectively control weeds and of course availability of suitable varieties that adapt well to DSR cultivation with comparatively better yield are some of the factors that are responsible for its popularity. The direct seeded medium duration rice varieties have several advantages that making them important choice for sustainable agriculture like water conservation and suitable technology for water scares areas. A labour saving and climate resilient technology suit well to aberrant climate change and water scarcity with a comparatively stable yield. DSR also reduces methane emission unlike transplanted rice where 10-15 cm water level is maintained. In DSR efficient nutrient management is possible due to no water stagnation in the field. To perform better under DSR condition, a variety should have key traits like early vigour, anaerobic germination, weed competitiveness, comparatively deeper root system, nutrient use efficient with stable yield. This trial aims at identifying culture that perform better under DSR situation.

This trial i.e. AVT 1 & IVT-Rainfed Direct seeded- Mid duration (AVT 1 & IVT-R-DS-M) was constituted with 57 test entries and 5 checks out of which one was local check (Table 8.1). The other checks were DRR Dhan 42 (Check 1), CR Dhan 804 (Check 2) and CR Dhan 312 (Check 3) and CR Dhan 704 (hybrid check). Three entries IET 33216, 33202, 33204 were in the 2nd year of testing (AVT-1). The trial was sent to 15 test locations out of which in 13 locations trials were conducted and the data were received from 11 test locations. The trial failed at Hazaribagh due to continuous rain at the beginning of the season; Sikkim due to cold stress. Besides, the data from Jeypore for low plot size (1.89 sq m) was not considered in final reporting.

The range of various parameters across the zones is presented in the following table.

Zones	III	IV	V	VII
Zonal mean (kg/ha)	2480 (IET 34266)- 4925 (IET 33204)	2629 (IET 34266)- 5307 (IET 34249)	2715 (IET 34254)- 9415 (IET 34223)	3393 (IET 34234)- 5841 (CR Dhan 312)
Exp Mean (kg/ha)	2501.63 (MSD)- 4940.94 (HTW)	3740.66 (LMB) - 4480.18 (TTB)	5486.26 (JBP)	4566.65 (RGL)- 4754.15 (MGD)
CV%	10.19 (SBR)-21.42 (GRK)	6.68 (TTB)- 6.76 (LMB)	7.25 (JBP)	5.38 (RGL)-12.13 (MGD)
DFF	74 (CR Dhan 804)-105 (IET 34256)	77 (IET 34270)- 104 (IET 34219)	76 (IET 34237)- 106 (IET 34223)	84 (IET 34237) 112 (IET 34245)
PH (cm)	88 (IET 34266)	96 (CR Dhan 804)-	63 (IET 34266)	55 (IET 34261)

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Zones	III	IV	V	VII
	121 (IET 34260)	135 (IET 34265)	108 (IET 34230)	124 (IET 34247)
Pan/m ²	230 (IET 34269)- 321 (IET 34245)	175 (IET 34223) 342 (IET 34255)	133 (IET 34249) 368 (IET 34243)	229 (IET 34247) 369 (IET 34222)
Locations considered	5	2	1	2

Based on the results of the qualified locations the report is prepared for various zones. The studied traits such as grain yield (kg/ha), days to 50% flowering duration (days), plant height (cm) and panicles/m² (no.), grain quality are presented in Table 8.2-8.6.

Performance of the entries in AVT-1 R-DS-M (2nd year of testing), Kharif 2025

No entry in the 2nd year of testing was found significantly superior than the best check in any zone and also on overall basis. Hence, none promoted to the AVT-2.

Performance of the entries in IVT- R-DS-M (1st year of testing), Kharif 2025

On overall basis from 10 qualified test locations, grain yield in kg/ha ranged from 3076 (IET 34266) to 4886 (IET 34262) with a mean of 4122 kg/ha; days to 50% flowering varied from 81 (CR Dhan 804) to 102 (IET 34243, IET 34224) with a mean of 96 days; plant height ranged from 86 cm (IET 34266) to 117 cm (IET 34230) with a mean of 101 cm and panicles/m² varied from 241 (IET 34269) to 310 (IET 34243) with an average of 275 numbers.

IET 34262 (CR 3993-33-52-13-3-1) was found significantly superior to the best check DRR Dhan 42. IET 34262 was derived from a cross CR 1009 /O. *brachyantha*//CR 1009. This entry was ranked 1st on overall basis with a mean grain yield of 4886 kg/ha with 97 days to 50% flowering and 111 cm plant height. This entry is promoted on overall basis.

In zone III and Zone VII, no entry was found significantly superior to the best check (DRR Dhan 42). Hence, no promotions.

In Zone IV, the mean grain yield varied from 2629 kg/ha (IET 34266) to 5307 kg/ha (IET 34249). IET 34249 (CR 4635-1-1-1-1) stood 1st in this zone. It was derived from the cross CR Dhan 316/CR 4338-98-2-2. It outperformed the best check with a grain yield of 5307 kg/ha with days to 50% flowering of 90 and plant height of 113 cm. All together 5 entries were found significantly superior to the best check (DRR Dhan 42). All these entries, IET 34222, IET 34236, IET 34249, IET 34263 and IET 34267 are promoted to the 2nd year of testing.

In zone V, mean grain yield varied from 4105 kg/ha (IET 34256) to 9415 kg/ha (IET 34223). Two entries, IET 34223 and IET 34262 performed significantly superior than the best check CR Dhan 312 (7854 kg/ha). IET 34223 derived from the cross IR 20/Dandi, stood first with mean grain yield of 9415 kg/ha with 106 days to 50% flowering and 89 cm plant height.

Grain yield with rank and FDD of promising entries with checks (kg/ha) in IVT-Rainfed Direct seeded- Mid duration (IVT-R-DS-M), Kharif 2025 in various zone and on Overall basis

Entry No	IET No	Zone III (5) Mean (Rank)	Zone IV (2) Mean (Rank)	Zone V (1) Mean (rank)	Zone VII (2) Mean (Rank)	Overall (10) Mean (Rank)	Remarks
Entry in 2 nd year of testing							
	NIL						
Entry in 1 st year of testing							
810	34222 (ORJ 1386 (RP 5530-B-P-4-1-1-1-10))	--	5141 (5*) 94		--	--	Promoted in Zone IV
811	34223 (CR 2903-254-41-7-2-1)	--		9415 (1*)	--	--	Promoted in Zone V

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Entry No	IET No	Zone III (5) Mean (Rank)	Zone IV (2) Mean (Rank)	Zone V (1) Mean (rank)	Zone VII (2) Mean (Rank)	Overall (10) Mean (Rank)	Remarks
				106			
825	34236 (CR 4121-3-41)	--	5148 (4*) 101	--	--	--	Promoted in Zone IV
839	34249 (CR 4635-1-1-1-1)	--	5307 (1*) 90	--	--	--	Promoted in Zone IV
853	34262 (CR 3993-33-52-13-3-1)	--	--	8551 (2*) 106	--	4886 (1*) 97	Promoted to Zone V and overall basis
854	34263 (BRR 0277)	--	5052 (6*) 99	--	--	--	Promoted in Zone IV
858	34267 (MLD 300-IR20R1267)	--	5213 (2*) 92	--	--	--	Promoted in Zone IV
835	DRR Dhan 42	4529 (3) 95	4714 101	3900 87	4178 92	4433 95	
819	CR Dhan 804	2897 74	3900 88	4162 89	4649 87	3574 81	
803	CR Dhan 312	3171 98	4390 97	7854 (5) 101	5841 (1) 103	4417 99	
848	CR Dhan 704	3700 95	5177 (3) 99	6849 99	3987 107	4368 98	
861	Local Check	3512 92	4185 96	5515 85	5299 100	4204 94	
Exp. Mean		3627	4102	5486	4660	4122	
CD		560	307	665	609	320	
BVC+CD		5089	5021	8519	6450	4753	
HC+CD		4260	5484	7514	4596	4688	

Promotion to AVT-2

Nil

Promotion to AVT-1

Based on the results, seven entries qualified for promotion to AVT 1 in Zone IV, V and overall basis. No entry qualified for promotion in zone III and VII.

Entry qualified for promotion

Zone III – NIL

Zone IV - IET 34222, IET 34236, IET 34249, IET 34263 and IET 34267

Zone V - IET 34223 and IET 34262

Zone VII- NIL

Overall – IET 34262

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Trial no. 8.1: Composition of entries in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry no	IET no	Designation	Cross combination	Grain type
2nd Year of Testing				
801	33216	BRR 2186	CRL22/MTU1071-TCN-188-sel.	MS
802	33202	CR 4209-228-1-55-77-2	CR Dhan 307/O. <i>Rufipogan</i> (AC-100005)	MB
803	CR Dhan 312			
804	33204	RNR 31672	TME 80518 X BPT 5204	LS
1st Year of Testing				
805	34217	CR 4171-1-2-5-1-2-B	CR Dhan 311/ BPT 5204	MB
806	34218	BIOSEED4786		MB
807	34219	CR 6566 -6-2-2-2-3-1	CR3562-2-1-1-1-1-1/ MTU 1010	MS
808	34220	RNR 51114	{(ISM 390-4 X JGL 13595) X (HMT Sona X BPT Pi1, Pi2)}	MS
809	34221	CR 4396-1--13--11-2-1	Lalat MAS / CR Dhan 801 // 3* Lalat MAS	LS
810	34222	ORJ 1386 (RP 5530-B-P-4-1-1-1-10)	RP Bio 226/IRGC 48960/MTU 1081	MB
811	34223	CR 2903-254-41-7-2-1	IR 20/Dandi	MB
812	34224	DH-64	Daftari-1008 X (Lalat MAS x CR Dhan 801	
813	34225	CRHR 201	Hybrid Entry	MS
814	34226	CCR 843-1-IR129477-1629	IR09N538/IR 93312-30-101-20-3-66-6// IR09N538/ IR11L101 ///IR09N538/ TADUKAN//IR09N538/RATHU HEENATI/4/IR09N538/ABHAYA//IR09N538/IR BB 60 (IR 72920-1-44-4)///IR09N538 /IR 94225-B-82-B//IR09N538/IR 94226-B-177-B/5/IR09N538/WHD IS-75-1-127// IR09N538/IR 96322-34-223-B//IR09N538/IR 91648-B-32-B	LS
815	34227	CR-4091-1-3-B-2	CR 2829-PLN-116-15/ Kalinga-III	MS
816	34228	CRR 861-1-IR19A8127	IR12A311/IRRI 174	LS
817	34229	CR 3824-15-2-5-6-2	Swarna sub-1/ IR 64 sub-1	SB
818	34230	CR 6564-1-2-4-3-1	CR3516-11-2-2-1-1/CR 3773 -3-2-1-1-1-1	MS
819	CR Dhan 804			
820	34231	CR-4233-2-2-B	CR Dhan 311/ ARB-6027	MB
821	34232	NLUR 395	Gomati X Tripura Nirog	LS
822	34233	CR 3562-2-1-1-1-1-1	Surendra/ N 22	MS
823	34234	NLUR 295	Tripura Nirog X Naveen	LS
824	34235	RP 6429-db-RN88	Jaya/ Adithya	SB
825	34236	CR 4121-3-41	CR 3856-44-22-2-1-11*3/SWARNA SUB-1//IRBB 61	LB
826	34237	CR6542-04	bhalum-2 X N22	MS
827	34238	KAUPTB JS 3-5-2-1	Pureline selection from Jaya	LB
828	34239	CR-4175-3-1-1-B	CR Dhan 310 / CR 3726-1-1	MS
829	34240	BRR 2250	TI-128 (EMS Sambha mutant) * BPT5204	MS
830	34241	CR 6567-9-1-2-1-1	CR 3504-12-2-1-1-1-1/IET 27683	MS
831	34242	CR-4086-5-B-10-B-1	CR-2814-1-S-1-6-3-2B-1/BINA DHAN-10	MB
832	34243	BRR 2253	HUR-4-3* RP BIO226/PR114	MS
833	34244	CR 4866-20-2-1-1	CR Dhan 312/CR 4333-35-2-2-1	MS
834	34245	RNR 41704	Tellahamsa X PUSA 44	LS
835	DRR Dhan 42			
836	34246	CR 6553-1	Selection from HC 6296	MS
837	34247	CR6542-75	bhalum-2 X N22	MB
838	34248	LPR-2401-IR20R1210	HC 13253	LS
839	34249	CR 4635-1-1-1-1	CR Dhan 316/CR 4338-98-2-2	SB
840	34250	KAUPTB JS 4-1-17-4	Pureline selection from Jaya	LB
841	34251	CR 4627-1-1-1-2	Swarna Sub-1/ EC 491397	LB
842	34252	BRR 2251	BPT-5204* TI-129 (EMS Katarani mutant)	MS
843	34253	CRAC-3998-39-7	Doubled Haploid of 27P63	MS
844	34254	NLUR 124	Hokchuk2 X Gomati	LS
845	34255	CR 6462-1-1-1-2	CR Dhan 800/ CR Dhan 801	LS
846	34256	CRR 860-1-IR19A7717	IR09A130/IR03A568	LS
847	34257	CR 6565 -12 -6-2-2-2-1	CR3562-2-1-1-1-1-1-1/Naveen	MS
848	CR Dhan 704 (Hybrid Check)			
849	34258	CR-4087-1-2-S-B-5	CR-2843-1-5-1-6-B-5-B/BINA DHAN-10	MB
850	34259	BNKR 144-25-1	Dhiren/ Narkel Jhopa	SB
851	34260	CR 4384-RGA-30-1	C745-3-1-1-1-1 x IET27218 / N22	MS
852	34261	ORJ 1348 (TP 30579)	IR 652287-1/IR 09M709	MS
853	34262	CR 3993-33-52-13-3-1	CR 1009 /O. brachyantha//CR 1009	MB
854	34263	BRR 0277	Rajendra Mashuri-1 X IRBB59	MS
855	34264	CR 2895-288-17-63-3-1	Selumpkit/Naveen	MB
856	34265	PUK IR20R1992	TCCP 266-13B-13-1-3*4/TKM 9	
857	34266	CR6464-AZ-42-58-1	Pooja x Thavalakannan	MB
858	34267	MLD 300-IR20R1267	IRRI 154*4/KAL VELLAI	LS
859	34268	CR6542-112	bhalum-2 X N22	MB
860	34269	BRR 0276	Rajendra Mashuri-1 X IRBB58	MS
861	Local Check			
862	34270	CRD Dhan 8	IR 82635-B-B-7-5-2	LS

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Table No 8. 2: Grain yield of entries (kg/ha) in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry No	IET No	Zone III											Zone III(5)
		OD		WB		BI		BI (2)		UP		UP(2)	
		JYP@		HTW		SBR		BKG	mean	GRK	MSD	mean	mean
801	33216	3688		3393		3807	6	6839	1*	5323	1*	4400	
802	33202	2116		5625		3714	9	4838		4276	10	2769	
803	CR Dhan 312	2423		4670		3229		4725		3977		2075	
804	33204	2487		6879	4	3958	4	5003		4480	5	4588	
805	34217	3595		5728		3505				3505	5500	4	2008
806	34218	3042		4106		2911		5148	10	4030		2455	
807	34219	5537	5	5124		2073		4752		3413		1750	
808	34220	3016		3940				3742		3742		3250	
809	34221	3870		5133		3693	10	5341	8	4517	4	2528	
810	34222	2074		4679		3859	5	5606	5	4733	2	2524	
811	34223	6360	2			2219		3730		2975	8	4929	
812	34224	3011		5114		2953		5868	2	4410	7	3888	
813	34225	3717		3464		3188		4017		3602		981	
814	34226	2646		5765		3057		5177	9	4117		5636	1
815	34227	3024		7131	2	3260		4968		4114		2760	
816	34228	1831		5188		3292		4834		4063		2901	
817	34229	3778		3844		2448		4489		3468		2111	
818	34230	7127	1	5663		3031		3579		3305		1250	
819	CR Dhan 804	3090		3851		2906		3016		2961		2044	
820	34231	4262		6586	5	2786		4503		3645		2458	
821	34232	1672		5949		2557		4333		3445		3576	
822	34233	5770	4	5380		3125		4114		3619	5	5313	
823	34234	1545		7451	1	2964		4433		3698		3549	
824	34235	3397		3446		3115		4010		3562		3888	
825	34236	4529	10	4439		2932		3776		3354	6	5066	
826	34237	4106		3876		1943		1700		1822		3375	
827	34238	3791		4446		2760		5713	4	4237		2888	
828	34239	2481		4243		3745	8	4060		3902	10	4738	
829	34240	4127		4588		3760	7	3579		3670		1961	
830	34241	1526		4636		2849		3983		3416		5590	3
831	34242	2981		6305	8	2958		4121		3540		2490	
832	34243	3704		3955		3604		5557	6	4581	3	4513	
833	34244	4011		5355		3281		5079		4180		4313	
834	34245	4447		6216	10	3635		4090		3863		1181	
835	DRR Dhan 42	1585		6200		3146		4489		3817	2	5594	
836	34246	3066		4543		3604		3662		3633		4336	
837	34247	2577		6484	7	3281		3506		3394		1388	
838	34248	2421		4375		3589		4086		3837		3384	
839	34249	4749	7	3689		3417		3966		3691		3254	
840	34250	3082		3378		3240		3708		3474		2475	
841	34251	5180	6	4305		4130	2*	3690		3910		4306	
842	34252	2550		4378		4078	3	4319		4199		4931	7
843	34253	1566		4798		2885				2885		2113	
844	34254	2656		5764		2510		4801		3656		4474	
845	34255	1315		4481		3182		4989		4086		4044	
846	34256	1222		3631		2755		2537		2646		3259	
847	34257	4439		4498		2365		3523		2944		2254	
848	CR Dhan 704 (Hybrid Check)	4690	8	3968		2938		5799	3	4368	8	4313	
849	34258	4132		5259		3172		3405		3289		3688	
850	34259	5780	3	5749		4313	1*			4313	9	2788	
851	34260	1733		3596		3125		4239		3682		3588	
852	34261	4593	9	3491		2792		4711		3751		3913	
853	34262	3082		6173		3547		3419		3483		3748	
854	34263	1315		5610		3656		3850		3753		1263	
855	34264	2209		7041	3	3688		2648		3168		4856	9
856	34265	1204		6576	6	3146		3461		3303		2296	
857	34266	2656		4285		2057		2690		2374		1438	
858	34267	1672		4271		3313		4697		4005		3813	
859	34268	1460		4064		2302		4128		3215		2203	
860	34269	3013		4588		3438		4218		3828		2164	
861	Local Check	3431		3740		3547		5402	7	4475	6	1838	
862	34270			6301	9	2828				2828		2600	
	Exp. mean	3215.72		4940.94		3166.58		4287.34		3702.42		3283.02	
	CD	705.84		1746.03		539.30		1018.99		584.84		1174.44	
	CV%	13.14		21.15		10.19		14.21		9.46		21.42	
	F statistics @5%	S		S		S		S		S		S	
	D/S	07.07.2025		17.07.2025		19.06.25		09-07-2025				18-06-2025	
	Local Check Name	Kalinga Dhan 1203		MTU 1010		Sabour Shree		Sabour Vijay				SARJ OO 52	
												IR 64-Sub 1	

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Table No 8. 2(Contd.): Grain yield of entries (kg/ha) in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry No	IET No	Zone IV			Zone IV (2)	Zone V		Zone VII			Zone VII(2)	Overall (10)			
		AS		TP		MP		AP		KA					
		TTB		LMB		mean	JBP		RGL		MGD		mean		mean
801	33216	5581	10	1850		3715	6265		4476		4593		4534		4266
802	33202	5111		2233		3672	7820	6	4937		5601	4	5269	9	4541
803	CR Dhan 312	5440		3339		4390	7854	5	6957	1	4725		5841	1	4417
804	33204	4704		2750		3727	5441				4566		4566		4676
805	34217	2809		2622		2716	4120		4419		4864		4642		3953
806	34218	4479		3783		4131	4895		4912		4428		4670		4105
807	34219	3208		4167		3687	5770		5297		6224	2*	5761	2	4016
808	34220						6250								4295
809	34221	4448		3756		4102	6850	9	4451		5028		4740		4202
810	34222	5388		4894	8	5141	5584				4611		4611		4556
811	34223			3072		3072	9415	1*			4519		4519		4341
812	34224	4097		4056		4077	5228				4765		4765		4144
813	34225	3551		3583		3567	5045		5076		5093		5084		3606
814	34226	3802		4139		3970	5275		3510		4770		4140		4477
815	34227	3760		3883		3821	5350		4912		4518		4715		4363
816	34228	5072		4139		4606	5355		4369		4601		4485		4165
817	34229	4083		4861	9	4472	4350		3567		5574	6	4571		3733
818	34230	4654		5117	6	4885	5561		5524	9	4674		5099		4168
819	CR Dhan 804	3623		4178		3900	4162		4785		4512		4649		3574
820	34231	3223		4756	10	3989	5290		4684		4619		4652		4236
821	34232	4478		4222		4350	6345		5619	8	4808		5214	10	4476
822	34233	4334		3672		4003	6420		4571		4736		4653		4481
823	34234	5738	5	2617		4177	3810		3794		2991		3393		4068
824	34235	4232		4306		4269	5489		4141		6743	1*	5442	5	4138
825	34236	5540		4756	10	5148	6225		3958		6007	3*	4983		4507
826	34237	1651		6044	1*	3847	5660		4293		4554		4424		3492
827	34238	4875		1778		3326	6770		4438		4744		4591		3984
828	34239	4631		1861		3246	6685		5631	7	4754		5193		4212
829	34240	2613		2861		2737	5070		4148		4183		4165		3554
830	34241	3714		4139		3927	4462		3157		4550		3853		3798
831	34242	4433		3128		3781	3100		5360		4164		4762		3956
832	34243	4217		4161		4189	6730		4141		4649		4395		4291
833	34244	4688		4672		4680	3395		4716		5173	9	4945		4218
834	34245	4871		4906	7	4888	5470		2670		4468		3569		4136
835	DRR Dhan 42	4239		5189	4	4714	3900		3693		4662		4178		4433
836	34246	3870		1500		2685	3170		3801		4485		4143		3703
837	34247	4030		3750		3890	3545		4766		4570		4668		3705
838	34248	5860	4	3250		4555	3087		6357	3	4495		5426	6	4232
839	34249	6114	1*	4500		5307	3890		5448		5577	5	5512	4	4320
840	34250	5377		4194		4786	5590		6345	4	4408		5376	7	3982
841	34251	5706	6	1561		3634	3985		2986		4523		3755		3747
842	34252	3912		3094		3503	5425		3043		4369		3706		4035
843	34253	4027		4056		4041	4510		3649		4529		4089		3678
844	34254	5160		4000		4580	2715		3447		4453		3950		4013
845	34255	5164		4139		4651	6405		4861		4506		4684		4426
846	34256	4080		2856		3468	4105		2879		4758		3818		3361
847	34257	4308		3183		3746	4280		5505	10	4539		5022		3690
848	CR Dhan 704 (Hybrid Check)	6043	2*	4311		5177	6849	10	3371		4602		3987		4368
849	34258	4125		2472		3299	4520		4337		5568	7	4952		3843
850	34259	5679	8	3094		4387	8109	3	4255		5169	10	4712		4554
851	34260	2489		3723		3106	5075		4141		5499	8	4820		3712
852	34261	5927	3	3550		4738	8009	4			4328		4328		4372
853	34262	5609	9	3028		4318	8551	2*	6679	2	4607		5643	3	4886
854	34263	4742		5361	3	5052	6690		4912		4793		4852		4286
855	34264	4699		3956		4328	5375		4122		4513		4318		4449
856	34265	5691	7	4067		4879	5000		4047		4509		4278		4260
857	34266	2896		2361		2629	3383		5240		4484		4862		3076
858	34267	4726		5700	2*	5213	7797	7	4444		4529		4487		4711
859	34268	4331		4194		4263	6921	8	3838		4975		4407		3891
860	34269	4304		5150	5	4727	6635		5303		4520		4912		4219
861	Local Check	4469		3900		4185	5515		5852	6	4745		5299	8	4204
862	34270	4186				4186	5600		5896	5	4474		5185		4278
	Exp. mean	4480.18		3740.66		4102.53	5486.26		4566.65		4754.15		4660.04		4122.24
	CD	500.14		422.47		306.78	664.78		411.12		963.14		609.27		319.80
	CV%	6.68		6.76		4.48	7.25		5.38		12.13		7.83		4.64
	F statistics @5%	S		S		S	S		S		S		S		S
	D/S	17.07.2025		15-07-2025			21.06-2025		15.7.2025		15.06.25				
	Local Check Name	Numali		TRC 2015-5			JR 206		MTU 1121		MAS-946-1				

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Table No 8. 3: Days to 50% flowering of entries in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry No	IET No	Zone III								Zone	Zone IV		Zone	Zone V	Zone VII		Zone	Overall	
		OD	WB	BI		BI (2)		UP		UP(2)	III(5)	AS	TP	IV (2)	MP	AP	KA	VII(2)	(10)
		JYP@	HTW	SBR	BKG	mean	GRK	MSD	mean	mean	TTB	LMB	mean	JBP	RGL	MGD	mean	mean	
801	33216	111	88	114	86	100	75	82	79	89	95	100	101	103	92	97	94		
802	33202	103	88	111	84	98	84	82	83	90	92	102	97	100	102	104	103	95	
803	CR Dhan 312	105	85	123	91	107	79	112	95	98	96	98	97	101	105	102	103	99	
804	33204	101	74	87	113	100	84	112	98	94	77	105	91	85		94	94	92	
805	34217	100	80	109		109	77	108	92	93	82	117	99	92	101	101	101	96	
806	34218	84	75	91	85	88	103	111	107	93	76	99	87	82	82	88	85	89	
807	34219	106	96	133	95	114	67	91	79	96	103	105	104	103	80	107	94	98	
808	34220	101	84		95	95	72		72	84				94				86	
809	34221	102	88	119	93	106	84	116	100	100	84	109	96	97	101	105	103	99	
810	34222	101	77	99	86	93	83	106	95	90	82	106	94	91		94	94	91	
811	34223	103		122	101	111	77	90	83	97		102	102	106		97	97	99	
812	34224	102	94	125	101	113	74	116	95	102	95	110	102	104		104	104	102	
813	34225	103	84	121	90	106	62	113	87	94	92	106	99	99	106	102	104	97	
814	34226	106	77	97	112	105	115	92	104	99	77	103	90	87	93	88	90	94	
815	34227	104	74	101	111	106	105	113	109	101	81	108	95	86	93	101	97	97	
816	34228	101	72	93	82	88	72	116	94	87	77	110	93	85	85	91	88	88	
817	34229	105	89	129	99	114	66	80	73	93	94	103	98	99	111	100	105	97	
818	34230	110	92	127	101	114	71	81	76	94	99	107	103	96	110	99	105	98	
819	CR Dhan 804	92	37	93	84	89	79	77	78	74	74	103	88	89	85	89	87	81	
820	34231	93	71	91	83	87	80	111	96	87	75	101	88	84	84	91	87	87	
821	34232	91	74	92	85	89	78	115	96	89	75	103	89	85	89	99	94	89	
822	34233	105	84	121	96	108	76	113	94	98	84	106	95	99	110	101	105	99	
823	34234	103	72	91	79	85	76	80	78	79	77	98	87	84	84	101	92	84	
824	34235	102	76	96	83	90	76	102	89	86	78	104	91	86	82	100	91	88	
825	34236	103	90	119	89	104	87	91	89	95	96	106	101	97	82	107	94	96	
826	34237	94	64	92	82	87	73	95	84	81	72	100	86	76	81	88	84	82	
827	34238	101	89	120	89	104	85	116	100	100	94	101	97	101	102	103	102	100	
828	34239	99	87	120	93	106	77	118	97	99	93	102	98	98	110	100	105	100	
829	34240	103	80	111	88	100	80	103	91	92	86	109	97	91	100	95	97	94	
830	34241	101	84	114	83	99	87	114	100	96	89	99	94	96	88	93	91	95	
831	34242	112	77	94	82	88	80	95	87	86	83	97	90	92	94	99	96	89	
832	34243	106	88	122	100	111	78	113	95	100	95	110	103	101	110	102	106	102	
833	34244	110	90	121	100	110	74	113	93	99	100	103	101	98	111	110	110	102	
834	34245	109	84	111	90	101	73	110	91	93	86	103	94	97	128	97	112	98	
835	DRR Dhan 42	94	73	94	113	103	81	116	98	95	103	99	101	87	88	96	92	95	
836	34246	103	74	99	83	91	82	101	91	88	77	96	86	86	103	90	97	89	
837	34247	98	78	100	84	92	70	113	91	89	80	107	93	95	94	101	97	92	
838	34248	101	79	104	86	95	79	80	80	86	80	110	95	88	101	95	98	90	
839	34249	110	88	121	91	106	82	106	94	97	86	95	90	103	94	105	99	97	
840	34250	106	84	119	91	105	80	116	98	98	91	104	97	100	107	101	104	99	
841	34251	109	78	100	82	91	81	115	98	91	80	104	92	86	99	102	100	93	
842	34252	101	81	111	93	102	89	103	96	95	86	103	94	94	106	99	102	96	
843	34253	111	82	111		111	81	103	92	94	90	98	94	92	111	99	105	96	
844	34254	94	69	95	112	104	92	110	101	95	75	110	92	84	88	89	89	92	
845	34255	94	78	95	101	98	90	78	84	88	78	109	93	90	84	97	90	90	
846	34256	103	76	131	81	106	124	114	119	105	76	110	93	85	94	89	91	98	
847	34257	98	81	111	84	98	81	79	80	87	83	104	93	91	106	93	99	91	
848	CR Dhan 704 (Hybrid Check)	101	60	121	101	111	75	118	96	95	96	103	99	99	111	102	107	98	
849	34258	111	76	100	81	91	78	100	89	87	81	97	89	88	106	102	104	91	
850	34259	100	87	128		128	74	102	88	97	100	100	100	101	108	111	109	101	
851	34260	101	63	93	79	86	74	114	94	84	72	107	89	84	100	100	100	88	
852	34261	103	89	120	101	110	73	117	95	100	98	99	98	100		105	105	100	
853	34262	105	84	113	89	101	79	92	86	91	89	110	99	106	105	102	103	97	
854	34263	103	92	116	93	105	67	110	89	96	88	110	99	95	111	101	106	98	
855	34264	93	76	122	81	101	82	104	93	93	80	112	96	85	93	90	92	92	
856	34265	98	74	96	101	99	80	111	95	92	75	102	88	82	89	89	89	90	
857	34266	101	92	120	101	111	70	116	93	100	95	103	99	102	110	104	107	101	
858	34267	102	76	97	80	88	77	101	89	86	80	104	92	88	94	94	94	89	
859	34268	101	85	120	92	106	104	111	107	102	81	105	93	95	103	102	103	99	
860	34269	101	90	119	88	104	77	93	85	93	82	99	91	97	103	99	101	95	
861	Local Check	108	69	122	94	108	80	94	87	92	77	97	96	85	111	90	100	94	
862	34270		74	99		99	76	80	78	82	77		77	90	87	92	89	84	
	Exp. mean	102	80	109	92	101	80	103	91	93	85	104	94	93	98	98	98	96	
	CD	2.30	10.02	1.75	0.48	0.97	2.18	1.88	1.36	2.11	2.66	2.70	2.11	2.45	1.48	2.15	1.34	1.26	
	CV%	1.36	7.54	0.96	0.31	0.57	1.63	1.10	0.89	1.37	1.87	1.56	1.34	1.58	0.90	1.32	0.82	0.79	

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Table No 8.4: Plant height (cm) of entries in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry No	IET No	Zone III								Zone III(5)	Zone IV		Zone IV (2)	Zone V	Zone VII			Zone VII(2)	Overall
		OD	WB	BI		BI (2)		UP		UP(2)	mean	AS	TP	mean	MP	AP	KA	mean	mean
		YYP@	HTW	SBR	BKG	mean	GRK	MSD	mean	mean	mean	TTB	LMB	mean	JBP	RGL	MGD	mean	mean
801	33216	77	99	98	118	108	102	82	92	100	115	90	102	71	113	60	87	95	
802	33202	95	99	112	116	114	113	63	88	101	131	109	120	87	131	86	109	105	
803	CR Dhan 312	73	102	89	109	99	112	85	98	99	112	103	108	72	116	63	89	96	
804	33204	77	99	93	93	93	114	84	99	97	101	104	102	68		66	66	91	
805	34217	84	125	101		101	99	85	92	102	123	110	116	85	110	65	88	100	
806	34218	81	121	149	119	134	108	91	99	118	127	103	115	84	104	60	82	107	
807	34219	95	108	116	124	120	133	86	110	113	127	103	115	75	138	65	101	108	
808	34220	82	112		98	98	95		95	102				83				97	
809	34221	82	99	93	105	99	121	88	105	101	115	116	115	74	105	69	87	98	
810	34222	83	113	105	105	105	116	90	103	106	121	100	111	81		58	58	99	
811	34223	94		103	97	100	108	83	95	98		98	98	89		56	56	91	
812	34224	79	100	94	109	101	134	76	105	102	117	113	115	76		63	63	98	
813	34225	85	98	96	111	103	117	101	109	104	113	90	102	73	115	81	98	99	
814	34226	85	119	112	115	114	105	81	93	106	133	102	117	79	105	73	89	102	
815	34227	96	115	102	109	105	116	100	108	108	132	113	122	75	118	85	102	106	
816	34228	92	92	103	105	104	108	96	102	101	118	115	117	73	98	66	82	97	
817	34229	89	94	106	110	108	125	93	109	105	124	95	109	82	109	73	91	101	
818	34230	98	144	135	150	142	86	85	86	120	142	93	117	108	138	92	115	117	
819	CR Dhan 804	84	80	91	84	87	118	86	102	92	107	84	96	78	81	60	70	87	
820	34231	98	110	114	113	113	106	80	93	104	128	85	106	90	135	80	107	104	
821	34232	96	95	96	103	100	110	91	100	99	114	100	107	77	103	64	83	95	
822	34233	96	125	114	131	122	119	103	111	118	136	80	108	100	136	84	110	113	
823	34234	91	110	114	100	107	119	93	106	107	119	87	103	80	114	56	85	99	
824	34235	83	108	101	93	97	129	90	110	104	137	100	119	80	98	73	86	101	
825	34236	97	126	109	99	104	112	91	101	107	137	98	118	95	99	91	95	106	
826	34237	88	120	93	131	112	121	93	107	112	128	90	109	75	122	66	94	104	
827	34238	86	105	98	108	103	110	76	93	99	118	94	106	80	110	73	91	97	
828	34239	92	124	107	117	112	108	81	94	107	142	108	125	84	121	73	97	106	
829	34240	95	97	100	102	101	118	96	107	103	114	103	109	70	96	70	83	97	
830	34241	88	133	116	129	122	110	82	96	114	140	94	117	98	119	72	95	109	
831	34242	97	103	111	108	109	117	85	101	105	120	121	121	82	115	83	99	104	
832	34243	85	81	86	87	87	126	90	108	94	101	112	106	64	94	53	73	89	
833	34244	81	87	84	100	92	108	93	101	94	101	107	104	69	105	63	84	92	
834	34245	83	90	93	105	99	94	91	92	94	119	102	110	64	87	64	75	91	
835	DRR Dhan 42	87	123	107	104	105	113	94	104	108	141	106	124	73	90	73	81	102	
836	34246	91	120	105	100	102	112	72	92	102	133	123	128	73	97	93	95	103	
837	34247	96	114	116	123	120	98	91	94	108	151	102	127	101	141	107	124	114	
838	34248	88	107	111	107	109	142	105	123	114	125	86	105	90	109	67	88	105	
839	34249	90	106	109	107	108	125	91	108	108	131	95	113	84	118	82	100	105	
840	34250	79	92	94	102	98	114	75	95	95	126	115	121	86	114	75	94	99	
841	34251	94	104	119	93	106	111	93	102	104	136	107	121	84	127	81	104	105	
842	34252	78	83	94	94	94	108	93	101	94	114	101	107	69	98	62	80	92	
843	34253	73	102	95		95	114	88	101	100	115	98	106	73	111	70	90	96	
844	34254	81	104	86	100	93	103	98	101	98	131	97	114	69	99	74	86	96	
845	34255	78	109	102	112	107	122	80	101	105	116	104	110	76	103	64	83	99	
846	34256	89	116	101	110	105	108	92	100	105	128	94	111	71	103	68	85	99	
847	34257	85	109	101	103	102	109	91	100	102	129	100	114	67	107	71	89	99	
848	CR Dhan 704 (Hybrid Check)	83	100	92	104	98	96	96	96	97	112	100	106	70	97	54	75	92	
849	34258	97	125	113	116	115	145	92	118	118	128	90	109	95	117	92	104	111	
850	34259	91	116	113		113	93	103	98	106	135	105	120	98	125	101	113	110	
851	34260	95	136	115	126	121	128	101	115	121	127	106	117	99	120	84	102	114	
852	34261	88	107	105	115	110	103	103	106	116	96	106	83			55	55	98	
853	34262	92	122	121	121	121	124	81	102	114	138	101	119	80	141	84	113	111	
854	34263	91	100	90	105	98	136	93	115	105	113	116	115	74	117	66	91	101	
855	34264	93	118	109	109	109	109	96	103	108	133	94	114	91	116	76	96	105	
856	34265	94	116	138	131	135	111	92	101	118	153	117	135	100	108	93	101	116	
857	34266	70	90	83	83	83	89	96	93	88	97	100	98	63	86	77	82	86	
858	34267	76	106	106	101	103	129	89	109	106	113	98	105	72	96	71	84	98	
859	34268	70	92	87	103	95	111	96	103	98	112	115	114	78	107	63	85	96	
860	34269	75	106	95	103	99	111	85	98	100	116	119	118	75	98	69	83	98	
861	Local Check	82	92	94	105	99	103	81	92	95	140	107	124	76	116	80	98	99	
862	34270		107	111		111	115	84	99	104	129		129	78	109	73	91	101	
	Exp. mean	86.73	107.46	103.79	108.21	105.84	113.15	89.20	101.22	104.30	124.06	101.90	112.99	80.16	110.71	72.60	89.56	100.84	

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Table No 8.5: Number of Panicle/m² of entries in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry No	IET No	Zone III								Zone III(5)	Zone IV	Zone IV (2)	Zone V	Zone VII	Zone VII(2)	Overall		
		OD	WB	BI		BI (2)	UP		UP(2)	AS	TP	MP	AP	KA	mean	(10)		
		JYP@	HTW	SBR	BKG	mean	GRK	MSD	mean	TTB	LMB	mean	JBP	RGL	MGD	mean		
801	33216	308	281	209	294	252	395	195	295	275	301	288	294	295	262	330	296	285
802	33202	171	277	245	310	277	392	186	289	282	285	263	274	242	255	307	281	276
803	CR Dhan 312	188	269	312	301	306	378	186	282	289	322	238	280	306	295	310	302	291
804	33204	171	292	280	255	267	418	219	319	293	296	188	242	217		319	319	276
805	34217	178	281	283		283	390	201	295	289	302	200	251	313	287	328	308	287
806	34218	281	148	249	313	281	406	230	318	269	286	238	262	201	258	314	286	264
807	34219	355	292	250	337	293	308	173	240	272	295	263	279	288	262	324	293	279
808	34220	209	145		292	292	436		436	291				267				285
809	34221	245	316	263	246	254	388	130	259	268	349	188	268	257	251	350	301	274
810	34222	228	247	293	249	271	385	210	297	277	304	263	283	244		369	369	285
811	34223	290		223	269	246	410	248	329	287		175	175	295		233	233	265
812	34224	231	263	306	312	309	360	120	240	272	309	200	255	276		332	332	275
813	34225	392	334	306	223	264	358	182	270	280	304	238	271	245	273	364	318	282
814	34226	208	211	275	199	237	418	244	331	269	275	288	281	270	185	329	257	269
815	34227	318	402	250	246	248	403	206	304	301	294	188	241	323	242	366	304	292
816	34228	188	274	300	230	265	505	192	349	300	320	238	279	266	256	330	293	291
817	34229	248	215	197	255	226	343	228	285	247	352	275	313	295	172	343	257	267
818	34230	267	237	207	231	219	425	247	336	269	368	250	309	255	288	337	312	284
819	CR Dhan 804	333	301	236	233	234	345	255	300	274	352	250	301	297	221	355	288	284
820	34231	235	325	284	248	266	380	194	287	286	233	263	248	242	279	340	309	279
821	34232	167	336	184	249	216	409	183	296	272	225	213	219	207	218	302	260	252
822	34233	219	268	184	280	232	390	189	289	262	325	300	313	187	253	301	277	267
823	34234	219	377	229	278	253	385	225	305	299	217	213	215	190	258	331	294	270
824	34235	328	266	288	292	290	430	231	330	301	314	288	301	341	251	313	282	301
825	34236	311	185	249	268	258	435	208	321	269	304	288	296	177	241	318	280	267
826	34237	312	238	164	281	222	439	188	313	262	203	213	208	323	314	322	318	268
827	34238	204	252	224	250	237	436	107	271	254	283	275	279	228	253	326	289	263
828	34239	320	282	345	241	293	425	211	318	301	275	263	269	249	296	301	298	289
829	34240	315	263	278	240	259	434	196	315	282	317	213	265	273	280	318	299	281
830	34241	199	163	248	221	234	421	151	286	240	304	313	308	215	238	333	285	260
831	34242	292	179	226	232	229	409	234	322	256	314	338	326	204	278	297	287	271
832	34243	164	235	370	242	306	520	161	341	305	346	213	279	368	314	332	323	310
833	34244	338	320	235	241	238	425	158	291	276	288	263	275	201	234	314	274	268
834	34245	365	376	298	300	299	388	244	316	321	318	213	265	267	215	356	285	297
835	DRR Dhan 42	362	296	257	220	238	409	200	304	276	344	188	266	228	277	336	306	275
836	34246	305	269	274	240	257	374	216	295	275	288	288	288	271	268	330	299	282
837	34247	285	228	227	288	257	315	195	255	250	272	313	292	189	188	270	229	248
838	34248	194	139	263	299	281	465	233	349	279	309	250	280	137	294	358	326	274
839	34249	166	274	260	293	276	421	221	321	294	312	250	281	133	266	282	274	271
840	34250	248	159	216	304	260	382	120	251	236	338	150	244	194	271	312	291	244
841	34251	208	118	301	308	305	395	226	311	270	270	238	254	149	187	302	244	249
842	34252	203	272	303	283	293	393	222	307	294	290	288	289	262	271	279	275	286
843	34253	251	293	275	#REF!	275	417	194	305	295	327	213	270	232	256	340	298	283
844	34254	250	305	128	258	193	427	180	303	259	257	288	272	216	221	270	246	255
845	34255	211	213	208	302	255	390	247	319	272	346	338	342	301	284	304	294	293
846	34256	271	241	266	295	280	337	199	268	267	359	263	311	252	288	297	292	279
847	34257	305	223	260	256	258	395	219	307	270	312	213	262	300	300	286	293	276
848	CR Dhan 704 (Hybrid Check)	271	295	268	245	256	421	122	272	270	333	213	273	344	289	314	301	284
849	34258	342	320	262	308	285	420	191	305	300	307	263	285	238	277	295	286	288
850	34259	194	288	242		242	440	171	305	285	333	250	291	208	264	346	305	282
851	34260	156	344	255	236	245	447	167	307	290	296	213	254	246	244	324	284	277
852	34261	285	222	138	319	228	433	222	327	267	318	263	290	220		278	278	268
853	34262	245	272	304	254	279	473	200	336	301	280	238	259	293	301	327	314	294
854	34263	199	240	234	261	247	385	182	283	260	257	213	235	215	269	335	302	259
855	34264	188	223	264	271	267	440	196	318	279	317	200	258	301	330	328	329	287
856	34265	273	256	218	273	245	411	205	308	272	251	150	200	326	231	298	264	262
857	34266	278	180	208	263	235	425	165	295	248	249	263	256	293	221	324	273	259
858	34267	178	228	247	289	268	389	187	288	268	214	238	226	225	258	302	280	257
859	34268	288	262	263	295	279	338	182	260	268	259	225	242	199	232	296	264	255
860	34269	203	231	198	245	221	327	150	238	230	240	213	226	231	235	339	287	241
861	Local Check	218	277	265	299	282	318	180	249	268	256	338	240	288	261	314	287	269
862	34270		222	195		195	415	219	317	263	240		240	288	261	314	287	269
	Exp. mean	252	258	250	268	259	403	196	301	276	296	244	269	252	259	319	291	275
	CD	32.65	77.61	55.71	25.53	31.35	62.99	30.27	35.21	26.99	29.70	33.66	21.90	9.50	40.25	32.17	28.10	14.98
	CV%	7.76	18.02	13.32	5.70	7.25	9.36	9.27	7.00	5.86	6.01	8.26	4.88	2.26	9.30	6.04	5.78	3.26

Table 8.6: Grain Quality Characteristics of Entries in AVT 1 & IVT-Rainfed Direct Seeded-Medium (AVT 1 & IVT-R-DS-M), Kharif 2025

Entry No	IET No	Moisture %	Hull %	Mill %	HRR %	L(m)	B(m)	L/B	KLAC (mm)	ER	WU (ml/100g)	VER	AS V	GC(m)	Amylose %	Type	Chalkiness
801	33216	10.30	75.87	64.79	60.66	5.13	2.10	2.44	7.30	1.42	310.00	4.00	4.00	54.00	23.55	SB	Ab
802	33202	12.30	75.46	61.60	54.88	5.25	2.58	2.03	7.90	1.50	285.00	4.25	6.00	51.00	25.95	SB	Ab
803	CR Dhan 312	10.80	73.76	59.90	52.05	5.71	2.02	2.83	8.30	1.45	310.00	4.00	6.00	56.00	23.77	MS	Ab
804	33204	10.20	74.28	62.09	55.30	6.15	1.83	3.36	9.00	1.46	300.00	4.25	5.00	59.00	17.77	LS	Ab
819	CR Dhan 804	10.60	73.28	56.10	45.68	6.14	2.09	2.94	9.50	1.55	315.00	4.00	5.00	58.00	20.81	LB	VOC
835	DRR Dhan 42	10.20	76.46	62.55	55.12	6.10	2.07	2.95	9.30	1.52	295.00	4.25	6.00	54.00	22.27	LB	Ab
848	CR Dhan 704 (Hybrid Check)	11.20	75.22	64.94	62.43	4.80	1.76	2.73	9.00	1.88	325.00	4.25	5.00	52.00	22.76	SB	Ab

ADVANCED & INITIAL VARIETAL TRIAL – RAINFED DIRECT SEEDED – LATE DURATION (AVT 1 &-IVT-R-DS-L)

Locations: 09

Entries: 39

Checks: Swarna Sub1, Swarna, CR Dhan 802, CR Dhan 702 (Hybrid check) and Local check

The Initial Varietal Trial under rainfed direct-seeded conditions for late-maturing varieties was conducted with the objective of identifying suitable entries for lowland ecosystems, where late-maturity cultivars are preferred. Direct-seeded rice (DSR) addresses several challenges in modern agriculture by eliminating the labor-intensive processes of nursery raising and transplanting. Additionally, it reduces overall resource use in rice cultivation by removing the need for nursery preparation and transplanting operations.

The trial comprised four second-year testing entries, one near-isogenic line (NIL) in its first year of testing, and 34 newly nominated entries in their first year, along with standard checks (Table 9.1). Swarna Sub1 and CR Dhan 802 were used as national checks (NCs), while CR Dhan 702 served as the hybrid check, in addition to local checks. Swarna was included as the recurrent parent check for comparison with the NIL entry.

The trial was initially conducted across nine locations: Jeypore, Bikramganj, Hatwara, and Masodha in Zone III; Titabar in Zone IV; Jabalpur in Zone V; and Ragolu, Maruteru, and Mugad in Zone VII.

However, data from Hatwara and Mugad were excluded from further analysis due to non-significant F-statistics at the 5% level. Similarly, the coefficient of variation (CV) at Ragolu was 3.61, which fell below the acceptable threshold; therefore, this location was also excluded. Ultimately, data from six locations were retained for the final analysis of entry performance.

The coefficient of variation (CV) across the six qualified locations ranged from 6.16 at Titabar to 20.33 at Masodha. The experimental mean grain yield varied considerably, from 2010 kg/ha at Jeypore to 5531 kg/ha at Jabalpur.

Across locations, the overall mean grain yield of entries ranged from 2408 kg/ha (IET 34924) to 4717 kg/ha (IET 34304). Days to 50% flowering varied from 90 days (IET 34275) to 113 days (IET 34282), while plant height ranged from 84 cm (IET 34282) to 118 cm (IET 34297). The number of panicles per square meter ranged from 219 (IET 34285) to 281 (IET 34274) (Table 9.2).

Detailed data on grain yield, days to 50% flowering, plant height, number of panicles, and grain quality attributes of the entries are presented in Tables 9.3, 9.4, 9.5, and 9.6, respectively.

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The range of various parameters across the zones is presented in the following table.

Zones	III	IV	V	VII
Zonal mean (kg/ha)	1367 (IET 34282) 4246 (IET 34281)	2613 (IET 34301) 6394 (IET 34295)	2520 (IET 33242) 9225 (IET 33257)	2575 (IET 34296) 7025 (CR Dhan 702 (Hybrid Check))
Exp Mean (kg/ha)	2010 (JYP)- 3174 (BKG)	4780 (TTB)	5531 (JBP)	4578 (MTU)
CV%	12.35 (JYP)-20.33 (MSD)	6.16 (TTB)	6.84(JBP)	15.27(MTU)
DFP	95 (IET 34304) 117 (CR Dhan 702 (Hybrid Check))	78 (IET 34275) 126 (IET 34285)	77 (Swarna (RP)) 126 (IET 34282)	74 (IET 34275) 103 (IET 34293)
PH (cm)	79 (IET 34282)- 110 (IET 34297)	98 (IET 34282) 159 (IET 33242)	58 (IET 34282) 125 (IET 33242)	104 (IET 34292) 148 (IET 33242)
Pan/m ²	204 (IET 33241) 293 (IET 34279)	209 (IET 33248) 298 (IET 34302)	151 (IET 34285) 324 (IET 34295)	261 (IET 34283) 373 (IET 34294)
Locations considered	3	1	1	1

Performance of the entries in AVT-1 R-DS-L, Kharif 2025

Among the four entries under second-year testing, IET 33257 (CR 4205-226-52-50-7-1), derived from CR Dhan 307 / *O. longistaminata*, exhibited significantly superior performance compared to the best varietal check in both Zone IV and Zone V. In Zone IV, the entry recorded an average grain yield of 6282 kg/ha, reached 50% flowering in 86 days, produced 255 panicles per m², and attained a plant height of 133 cm. In Zone V, IET 33257 yielded 9225 kg/ha, flowered in 99 days, produced 309 panicles per m², and reached a plant height of 84 cm. However, it is important to note that both zones were represented by only one testing location each. The quality parameters including HRR (56%) and amylose content (26.51%) are within the threshold limits (Table 9.6). Based on its superior performance, this entry may be considered for promotion to AVT-2 testing.

Performance of NIL entry in IVT-R-DS-L, Kharif 2025

The trial included one near-isogenic line (NIL), IET 34271 (CR 4700-28-4-11-6-#), evaluated in its first year of testing and compared with recurrent parent check, Swarna. Overall, the grain yield performance of the NIL entry was significantly lower than the recurrent parent. The performance of NIL entry was *at par* with the recurrent parent in Zone III, Zone IV and Zone VII. However, the entry exhibited slightly higher grain yield than Swarna at specific locations, namely Masodha (2839 kg/ha compared to 2314 kg/ha of the recurrent parent) and Maruteru (5425 kg/ha compared to 5400 kg/ha of the recurrent parent). Across locations, the NIL entry flowered in 104 days, later than the recurrent parent, which flowered in 101 days. It produced 275 panicles per m² compared to 236 panicles per m² in Swarna, and attained a plant height of 90 cm, which was comparable to the 91 cm height of the recurrent parent.

The trait confirmation trial (AVT-1 NIL-HT trial) conducted in five centers (Cuttack, Coimbatore, Naira, Chinsura and Nagina,) out of which the data of four centers (Cuttack, Coimbatore, Nagina and Naira) was not qualified for further analysis. The data from Chinsura center suggest that the NIL entry IET 34271 outperformed recurrent parent Swarna and tolerant check (Robin). Thus, this confirms the suitability of entry for herbicide tolerance. Hence, promoted to AVT-2 in Zone III, IV and VII.

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Performance of entries in IVT-R-DS-L, kharif 2025

On an overall basis, the entry IET 34304 was found to be significantly superior to the best varietal check, recording a mean grain yield of 4717 kg/ha. It attained 50% flowering in 94 days, produced 246 panicles per m², and reached a plant height of 111 cm. However, the entry did not show significant superiority over the best check in any individual zone. Since entry flowered too early compared to checks, it is shifted to IVT-R-DS-M trial in the upcoming year.

In Zone III, the entry IET 34281, derived from CR 1009 / *O. brachyantha* // CR 1009, performed significantly better than the best varietal check. It recorded an average grain yield of 4246 kg/ha, with a plant height of 104 cm, reached 50% flowering in 104 days, and produced 367 panicles per m². Based on its superior performance in Zone III, this entry is promoted to AVT-1.

Zone IV was represented by a single evaluation location at Titabar. The entries IET 34276, IET 34286, IET 34291, IET 34295, and IET 34303 performed significantly better than the best varietal check. Among these, IET 34295 recorded the highest average grain yield of 6394 kg/ha, reached 50% flowering in 90 days, attained a plant height of 134 cm, and produced 268 panicles per m². This was followed by IET 34276, which yielded 6057 kg/ha, flowered in 86 days, reached a height of 135 cm, and produced 274 panicles per m². The entry IET 34286 also outperformed the best check, with an average yield of 5842 kg/ha, 263 panicles per m², 90 days to flowering, and a plant height of 124 cm. Further, IET 34291 recorded a yield of 5838 kg/ha, with a plant height of 109 cm, 255 panicles per m², and 88 days to flowering. Similarly, IET 34303 yielded 5814 kg/ha, attained a plant height of 124 cm, produced 239 panicles per m², and flowered in 91 days. Since entries IET 34276, IET 34291 and IET 34295 flowered too early compared to checks, these entries are shifted to IVT-R-DS-M trial in the upcoming year. Based on the superior performance of entries IET 34286 and IET 34303, these entries are recommended for promotion to AVT-1.

In Zone VII, none of the entries outperformed the best varietal check; therefore, no entries are recommended for promotion from this zone.

Entries qualified for promotion from AVT-1 to AVT-2

IET 33257 – for Zone V

NIL entry qualified for promotion to AVT-2

IET 34271- for Zone III, IV and VII

Entries qualified for promotion to AVT-1

Zone III – IET 34281

Zone IV – IET 34286, IET 34303

Zone V – Nil

Zone VII – Nil

Overall – Nil

Yield performance and days to 50% flowering (overall in parenthesis) of promoted entries in different zones and overall

Entry no	IET No	Zone III	Zone IV	Zone V	Zone VII	Overall	Grain quality & remarks (GT/HRR/AC/GC/ASV)
Entry in second year of testing							
905	IET 33257	--	6282 86 (96)	9225 99 (96)	1*	--	SB, 56, 23.51, 55, 6.0 Promoted to AVT-2 in Zone V
Entries in first year of testing							
912	IET 34276	--	6057 86 (96)	--	--	--	Shifted to IVT- R-DS-M trial
917	IET 34281	4246 104 (97)	1*	--	--	--	Promoted to AVT-1 in Zone III
923	IET 34286	--	5842 (90) 99 (overall)	--	--	--	Promoted to AVT-1 in Zone IV
929	IET 34291	--	5838 (88) 94 (overall)	--	--	--	Shifted to IVT- R-DS-M trial
933	IET 34295	--	6394 (90) 97 (overall)	--	--	--	Shifted to IVT- R-DS-M trial
941	IET 34303	--	5814 (91) 99 (overall)	--	--	--	Promoted to AVT-1 in Zone IV
942	IET 34304	--	--	--	--	4717 (94)	1* Shifted to IVT- R-DS-M trial
902	Swarna Sub1	2454 (107)	4591 (100)	8375 (100)	3	4250 (94)	4096 (102)
920	CR Dhan 802	2498 (105)	5141 (125)	5145 (100)		5075 (90)	3809 (105)
928	CR Dhan 702 (Hybrid Check)	2669 (117)	4140 (99)	3889 (117)		7025 (116)	3843 (111)
944	Local Check	3447 (108)	5165 (96)	5300 (87)		5450 (103)	4376 (102)
Exp. mean		2615 (107)	4780 (97)	5531 (102)		4578 (90)	3796 (102)
CD		426	495	636		1175	320
BC+CD		3873	5660	9011		6625	4696

Yield performance and days to 50% flowering (in parenthesis) of NIL entry in different zones and overall

Entry No	IET No	Zone III		Zone IV		Zone V		Zone VII		Overall	Grain quality & remarks (GT/HRR/AC/GC/ASV)
906	IET 34271	2403 (111)		At par		4455 (97)		5425 (97)		3613 (104)	SB, 62.81, 20.81, 56, 4.0 Promoted to AVT-2 in Zone III, IV & VII
910	Swarna (RP)	2704 (111)		4594 (100)		5805 (77)		5400 (95)		3985 (101)	SB, 62.88, 22.46, 575.0

Yield performance of NIL entry in AVT-1 NIL-HT trial at Chinsura (qualified center) in kharif 2025

IET No	T1: Imazethapyr	Rank	T2: Bispribacsodium (National Check)	Rank	T3: Weed free check	Rank	T4: Weedy check	Rank	Mean	Rank
IET 34271	5.28	1	5.19	1	5.42	1	3.48	1	4.84	1
Swarna (RP)	0.00	8	5.13	2	5.16	4	3.24	3	3.38	8
Robin (HT check)	4.28	7	4.15	10	4.35	10	2.49	10	3.82	7
Exp. mean	3.44		4.89		5.05		3.08		4.11	
CD (0.05)									0.16	
CV @ 5%									4.88	

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Table 9.1: Composition of entries in AVT 1 & IVT-Rainfed Direct seeded- Late duration (AVT 1 & IVT-R-DS-L), Kharif 2025

Entry no	IET no	Designation	Cross combination	Grain type
2nd year of testing				
901	33241	CR4477-2-3-2-1-1-2	CR3511-3-2-2-5-1-1/CR 3557-2-1-1-1-1-1	MS
902	Swarna Sub1			
903	33248	CR4376-1-1-1-1-1-2	CR3553-15-1-1-1-1-1/CR3759-1-1-2-1-1	MS
904	33242	MGD-24-23	BPT 5204 X Doddiga-34	SB
905	33257	CR 4205-226-52-50-7-1	CR Dhan 307/O. longistaminata (AC-110404)	MB
NIL 1st Year (HT NIL)				
906	34271	CR 4700-28-4-11-6-#	CR 4430-1-3-2-1/CR Dhan 800	MS
1st year of testing				
907	34272	CR 4491-6-1-1-1-2-2	Swarna/ CSSL Line of Oryza meridionalis- MER 26	SB
908	34273	CR 6521-24-2-2-1	CR Dhan 312 / CR 4430-1-3-2-1	MS
909	34274	RP Bio 4918-db-NPK 18	Swarna/ O.nivara IRGC81832	LS
910	Swarna (RP)			
911	34275	CR 6554-1-2	Selection from IR 20R 1210	MS
912	34276	CR 3573-3-1-3-1-1-1-2	Sasyaree/Naveen	MS
913	34277	BRR 2255	CR 4693-15-2-2-1	LS
914	34278	CRHR 203	Hybrid	LS
915	34279	CR4601-45-8-61-2-41-6-9-3-2-1	SWARNA MAS/IHRI-MS-3416	MB
916	34280	CR 4693-15-2-2-1	CR 3006-8-2 / CR 4202 -298-2-2-1	MS
917	34281	CR 3993-11-14-11-7-1	CR 1009 /O. brachyantha//CR 1009	SB
918	34282	CR 4330-341-1-1-1	Swarna-Sub1 / CR 1014	MS
919	34283	CR 4636-3-1-1-1	CR Dhan 307/IET 26079//IET 26882/MP-9034	LB
920	CR Dhan 802			
921	34284	CR4586-17-8-14-6-9-8-26-5-4	Geetanjali/IMP-PS-5	LB
922	34285	CR 3856-44-22-2-1-11-4-2-1	IR-73963-86-1-5-2-2/ CR-2324-1	LB
923	34286	CR 3549-1-3-1-1-1-1-2	ADT 43/Annapurna	SB
924	34287	ORJ 1353 (TP 30606)	IR08M349/IR07L605	MS
925	34288	CR 6531-1-1-1-2-1	Anjali/ NDR 990077	MS
926	34289	CR 4630-9-1-1-1	CR Dhan 316/ CR 3976-2-2-1-1-1	SB
927	34290	CR 4454-11-10-7-1	Ranidhan/ Cr Dhan 800//Swarna Sub-1	LB
928	CR Dhan 702 (Hybrid Check)			
929	34291	CR 4050-121-28-13-2-1	Swarna-Sub1/IRBB60	SB
930	34292	MTU 1443(NIC 2-11-1B)	{(Swarnasub 1/ FL478*2Swarnasub 1)}{(Swarnasub 1/MTU II 1 10-9-1-1*2Swarnasub 1)}{(swarnasub 1/ Ac39416A*3Swarnasub 1)}	MS
931	34293	CR 2531-72-6-19-4	Gayatri*3/ IR49830-7	SB
932	34294	CR4567-7-3-2-17-5-4-32-1-2	MTU-1010/Mamihanger	MB
933	34295	CR CR 6563-1-1-2-1-1	Sambha Mahsuri Sub 1/CR3783-3-2-1-1-1-2	MB
934	34296	CR 4650-14-1-1-1-1	CR 3856-44-22-2-1-11-4-5/ CR 718-2-3	LB
935	34297	CR3525-24-6-2-1-1-1	Vijetha/Divya	LB
936	34298	CR 3504-19-1-1-1-1-2	IR 36/Birupa	LB
937	34299	CR 4698-K21-SRP1-232-12-5-4-2-#	Swarna/NPS-95	MS
938	34300	CRHR 202	Hybrid	LS
939	34301	CR-4199-2-6-1-2-B-4	MAUDAMANI/CR DHAN-310	MS
940	34302	CR 4358-3-3-1-1-1-1	CR3543-6-3-1-2-1-1/CR 3510-12-1-1-2-2-1	MS
941	34303	CR 4204-226-21-14-1	CR Dhan 307/O. Rufipogan (AC-100444)//CR Dhan 307	MB
942	34304	CR 3549-21-1-1-1-1	ADT 43/Annapurna	MS
943	34305	CR 6516-2-1-1-1	CR 3856-44-22-2-1-11-3-2/CR 4446-1-2-2-1-1	LB
944	Local Check			

Table 9.2 Grain Yield (Kg/ha) of entries in AVT 1 & IVT-R-DS-L, Kharif 2025:

Entry No	IET No	Zone III				Zone III (3)				Zone IV				Zone V				Zone VII				Overall (6)	
		OD		BI		WB		UP		ITB		JBP		MTU		AP		KA		mean	mean		
		YP	BKG	BKG	HTW@	HTW@	MSD	MSD	mean	AS	AS	ITB	ITB	JBP	JBP	MTU	MTU	AP	AP			KA	MGD@
901	33241	799	3826	3826	2953	2953	6	1503	2043	5346	9	8710	8710	8710	8710	4	3350	3350	4	4465	4465	3922	3922
902	Swarna Sub1	577	2830	2830	2115	2115	4	3856	2454	4591	4	8375	8375	8375	8375	3	4250	4250	3	4558	4558	4096	4096
903	33248	1048	2012	2012	2158	2158	2	3936	2332	4533	3	8410	8410	8410	8410	3	2925	2925	3	4431	4431	3477	3477
904	33242	897	1928	1928	1751	1751	9	3670	2165	3675	2	9225	9225	9225	9225	1	3100	3100	1	4731	4731	2632	2632
905	33257	1200	1913	1913	2496	2496	1	2141	1751	4274	2	9225	9225	9225	9225	1	4198	4198	1	4757	4757	4189	4189
906	34271	435	2934	2934	3391	3391	3	2839	2403	4588	4	4455	4455	4455	4455	4	5425	5425	4	4605	4605	3613	3613
907	34272	2335	2073	2073	3391	3391	3	3823	2744	5401	8	4215	4215	4215	4215	4	6150	6150	4	5805	5805	3999	3999
908	34273	3484	4*	4*	2034	2034	5	2261	3342	4904	5	5415	5415	5415	5415	5	4600	4600	5	4478	4478	4157	4157
909	34274	3677	3*	3*	3418	3418	1	1848	2981	4088	4	5805	5805	5805	5805	4	3475	3475	4	5230	5230	3660	3660
910	Swarna (RP)	1935	3865	3865	10	2672	10	2314	2704	4594	4	8455	8455	8455	8455	4	5400	5400	4	4543	4543	3985	3985
911	34275	1020	4066	4066	7	2238	7	3444	2843	4741	3	9225	9225	9225	9225	3	5875	5875	3	5400	5400	4099	4099
912	34276	1472	3288	3288	2087	2088	1	2088	2949	4057	3	9225	9225	9225	9225	3	5808	5808	3	4519	4519	4211	4211
913	34277	1087	3705	3705	1676	1676	1	4056	2949	4057	1	4175	4175	4175	4175	1	3925	3925	1	4378	4378	3690	3690
914	34278	1523	3823	3823	2*	2530	2	2434	2968	4389	8	4303	4303	4303	4303	8	3200	3200	8	4566	4566	3348	3348
915	34279	8013	2924	2924	2064	2064	1	2064	2968	4389	4	8455	8455	8455	8455	4	4100	4100	4	4414	4414	3436	3436
916	34280	3388	3*	3*	3671	3671	1	2507	2559	4608	4	4235	4235	4235	4235	4	2975	2975	4	4882	4882	4371	4371
917	34281	1494	4448	4448	4	3266	4	3797	2559	4608	4	5550	5550	5550	5550	4	2975	2975	4	4882	4882	4371	4371
918	34282	1039	4021	4021	1244	1244	1	1695	2925	3982	3	9225	9225	9225	9225	3	4625	4625	3	4540	4540	2934	2934
919	34283	2406	2406	2406	8	2962	8	2347	2925	3985	5	5616	5616	5616	5616	5	5900	5900	5	5437	5437	4150	4150
920	CR Dhan 802	820	2844	2844	2308	2308	5	3830	2498	5141	10	5075	5075	5075	5075	10	3900	3900	10	4413	4413	3809	3809
921	34284	1786	3101	3101	2547	2547	1	2254	2380	5230	10	5365	5365	5365	5365	10	3200	3200	10	4552	4552	3348	3348
922	34285	1014	3601	3601	2627	2627	1	2267	2294	5182	10	4966	4966	4966	4966	10	4425	4425	10	4653	4653	3909	3909
923	34286	3820	2*	2*	3233	3233	2	2919	3324	5842	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
924	34287	2770	3410	3410	2711	2711	8	3790	3323	4812	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
925	34288	1672	2191	2191	3745	3745	2	1503	1789	3423	3	9225	9225	9225	9225	3	3900	3900	3	4882	4882	4371	4371
926	34289	3452	6*	6*	3804	3804	1	2188	2703	4653	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
927	34290	8059	10	10	2747	2747	1	2600	2802	5540	7	7159	7159	7159	7159	7	3275	3275	7	4317	4317	4397	4397
928	CR Dhan 702 (Hybrid Check)	2849	2670	2670	2058	2058	2	2487	2669	5140	5	8389	8389	8389	8389	5	4230	4230	5	4687	4687	3843	3843
929	34291	2577	3913	3913	9	2927	9	2766	3085	5838	5	8389	8389	8389	8389	5	4230	4230	5	4687	4687	3843	3843
930	34292	168	2872	2872	1665	1665	1	2048	1963	5008	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
931	34293	1064	2031	2031	2163	2163	1	1548	1750	4711	5	8389	8389	8389	8389	5	4230	4230	5	4687	4687	3843	3843
932	34294	2084	1490	1490	2084	2084	1	1430	1668	4711	5	8389	8389	8389	8389	5	4230	4230	5	4687	4687	3843	3843
933	34295	990	2616	2616	1627	1627	1	1948	1851	6394	1	6704	6704	6704	6704	1	3639	3639	1	4371	4371	4188	4188
934	34296	897	7151	7151	1220	1220	1	2460	3503	6394	1	6704	6704	6704	6704	1	3639	3639	1	4371	4371	4188	4188
935	34297	1078	3026	3026	1148	1148	1	3384	2496	4546	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
936	34298	3401	7*	7*	1912	1912	6	2540	3496	4546	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
937	34299	888	3399	3399	2129	2129	1	2553	2280	3791	4	8455	8455	8455	8455	4	3475	3475	4	5230	5230	3660	3660
938	34300	1448	2802	2802	2034	2034	1	2832	2927	5171	6	9225	9225	9225	9225	6	3900	3900	6	4995	4995	4411	4411
939	34301	2375	2048	2048	2029	2029	1	1922	2115	5171	6	9225	9225	9225	9225	6	3900	3900	6	4995	4995	4411	4411
940	34302	970	2833	2833	2389	2389	1	2389	1901	4731	6	9225	9225	9225	9225	6	3900	3900	6	4995	4995	4411	4411
941	34303	796	2413	2413	2722	2722	8	3570	2260	5814	6	9225	9225	9225	9225	6	3900	3900	6	4995	4995	4411	4411
942	34304	2207	2849	2849	2094	2094	3	3923	2993	4584	6	9225	9225	9225	9225	6	3900	3900	6	4995	4995	4411	4411
943	34305	2004	2396	2396	2118	2118	10	3624	2675	4533	10	5842	5842	5842	5842	10	3639	3639	10	4371	4371	4188	4188
944	Local Check	2832	5010	5010	1786	1786	3	2500	3447	5165	3	9225	9225	9225	9225	3	3900	3900	3	4882	4882	4371	4371
Exp. mean		2010	3174	3174	2266	2266	1	2782	2615	4780	1	636	636	636	636	1	3175	3175	1	4655	4655	3796	3796
CD		417	808	808	1408	1408	1	952	970	1175	1	636	636	636	636	1	3175	3175	1	4655	4655	3796	3796
CV%		12.35	15.13	15.13	36.89	36.89	1	20.33	9.70	16.16	1	6.84	6.84	6.84	6.84	1	15.27	15.27	1	8.95	8.95	5.02	5.02
F statistics @5%		12.35	15.13	15.13	36.89	36.89	1	20.33	9.70	16.16	1	6.84	6.84	6.84	6.84	1	15.27	15.27	1	8.95	8.95	5.02	5.02
D/S		07.07.2025	7/8/25	7/8/25	05.08.2025	05.08.2025	1	25.07.2025	25.07.2025	18.07.2025	1	6/21/25	6/21/25	6/21/25	6/21/25	1	27.7.2025	27.7.2025	1	21.06.25	21.06.25	5	5
Local Check Name		Hasanta	Sabour Shiram	Sabour Shiram	MTU 7029	MTU 7029	1	Sambha Mahsuri-Sub 1		Numali	1	IR 206	IR 206	IR 206	IR 206	1	Bheema (MTU 1140)	Bheema (MTU 1140)	1	Abhilasha	Abhilasha		

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Table 9.3: Days to 50% flowering of entries in AVT 1 & IVT-R-DS-L, Kharif 2025

Entry No	IET No	Zone III				Zone III (3) mean	Zone IV AS	Zone V MP	Zone VII			Overall I (6) mean
		OD	BI	WB	UP				AP		KA	
		JYP	BKG	HTW @	MSD				RGL @	MTU	MGD @	
901	33241	104	92	82	118	105	89	96	99	83	107	97
902	Swarna Sub1	100	112	93	109	107	100	100	112	94	95	102
903	33248	107	108	92	113	109	92	98	112	88	105	101
904	33242	107	108	91	103	106	105	122	108	90	99	106
905	33257	106	102	92	97	101	86	99	108	85	104	96
906	34271	113	109		112	111	96	97	117	97	107	104
907	34272	105	101	88	104	103	90	102	115	85	113	98
908	34273	112	100	91	112	108	95	101	113	93	113	102
909	34274	114	108	92	107	110	96	103	111	94	121	103
910	Swarna (RP)	114	109	107	111	111	100	77	118	95	112	101
911	34275	105	84	84	111	100	78	87	107	74	106	90
912	34276	110	87	91	112	103	86	96	101	84	113	96
913	34277	98	92	89	110	100	88	95	111	85	124	95
914	34278	107	110	94	97	105	101	97	123	93	96	101
915	34279	118	108	98	124	116	100	107	116	96	111	109
916	34280	117	89	88	109	105	102	117	111	97	104	105
917	34281	105	93	80	113	104	89	98	111	84	117	97
918	34282	114		85	114	114	111	126	110	99	93	113
919	34283	105	90	89	119	105	120	97	112	84	116	102
920	CR Dhan 802	114	108	90	93	105	125	100	112	90	96	105
921	34284	111	102	94	111	108	125	103	116	90	115	107
922	34285	93	107		115	105	126	100	116	90	96	105
923	34286	114	94	91	115	107	90	97	97	85	104	99
924	34287	105	106	89	108	106	95	92	112	84	107	98
925	34288	119	116	112	104	113	108	121		102	112	112
926	34289	109	102	90	116	109	90	94	111	86	121	99
927	34290	101	103	87	90	98	92	102	117	88	110	96
928	CR Dhan 702 (Hybrid Check)	118	118	97	114	117	99	117		102	116	111
929	34291	100	87	77	113	100	88	98	100	81	102	94
930	34292	100	112	106	106	106	102	111	117	96	96	104
931	34293	107	118	110	109	111	108	117	122	103	119	110
932	34294	113	86		104	101		117	121	92	112	102
933	34295	103	94	91	113	103	90	96	111	83	112	97
934	34296	114	110	97	115	113	96	103	111	92	123	105
935	34297	105	106	97	113	108	97	101	112	90	94	102
936	34298	103	95	97	123	107	87	89	110	87	116	97
937	34299	103	113	107	117	111	99	105	106	92	123	105
938	34300	103	113	90	111	109	94	108	111	93	103	104
939	34301	115	119	90	119	117	103	116	110	97	121	111
940	34302	105	96	87	121	107	93	107	111	87	116	101
941	34303	104	102	90	110	105	91	102	112	85	95	99
942	34304	98	100	88	87	95	93	103	112	87	114	94
943	34305	114	101	88	104	106	91	102	110	87	108	100
944	Local Check	100	114	109	111	108	96	87	114	103	111	102
	Exp. mean	107	103	92	110	107	97	102	111	90	109	102
	CD	1.55	0.36	3.98	1.74	0.77	2.05	2.09	1.35	3.08	3.88	0.82
	CV%	0.86	0.21	2.56	0.95	0.43	1.25	1.22	0.72	2.03	2.12	0.48

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Table 9.4 Plant height (cm) of entries in AVT 1 & IVT-R-DS-L, Kharif 2025

Entry No	IET No	Zone III				Zone III (3) mean	Zone IV AS TTB	Zone V MP JBP	Zone VII			Overall I (6) mean
		OD	BI	WB	UP				AP		KA	
		JY P	BK G	HTW @	MS D				RGL @	MT U	MGD @	
901	33241	94	114	89	73	94	131	87	128	130	55	105
902	Swarna Sub1	68	101	76	91	87	102	66	87	110	47	90
903	33248	81	111	78	80	91	116	75	107	118	69	97
904	33242	89	148	106	81	106	159	125	131	148	71	125
905	33257	92	120	89	101	105	133	84	103	126	67	109
906	34271	76	107		77	86	101	71	86	108	59	90
907	34272	83	101	87	96	93	124	93	116	122	81	103
908	34273	79	112	77	88	93	103	72	96	111	65	94
909	34274	89	103	81	85	92	113	73	96	110	80	96
910	Swarna(RP)	69	107	77	96	91	102	65	88	110	52	92
911	34275	94	118	97	96	103	113	71	107	121	71	102
912	34276	93	112	87	88	98	135	78	126	121	52	104
913	34277	90	127	87	93	103	135	72	125	122	61	106
914	34278	71	141	99	80	97	135	79	127	132	50	106
915	34279	74	111	71		93	105	64	103	108	60	92
916	34280	76	102	85	90	89	103	67	104	110	74	92
917	34281	80	135	100	96	104	133	73	114	119	68	106
918	34282	62		67	96	79	98	58	93	105	69	84
919	34283	88	110	95	96	98	123	83	117	125	66	104
920	CR Dhan 802	71	102	83	84	86	112	73	102	118	88	93
921	34284	81	115	90	96	97	123	82	108	135	75	105
922	34285	91	129		81	100	134	95	126	142	56	112
923	34286	72	128	93	92	97	124	77	105	122	68	102
924	34287	79	117	94	65	87	118	76	116	122	58	96
925	34288	84	110	75	70	88	114	76		112	88	94
926	34289	87	114	91	96	99	98	71	116	119	67	98
927	34290	96	127	92	88	104	137	97	124	137	70	114
928	CR Dhan 702 (Hybrid Check)	81	120	88	91	97	116	85		123	52	103
929	34291	81	127	97	83	97	131	76	111	142	70	107
930	34292	68	131	78	87	95	109	74	114	104	50	95
931	34293	81	110	89	77	89	123	83	117	119	67	99
932	34294	72	113		81	88		79	107	123	70	93
933	34295	77	106	91	83	89	134	79	123	122	72	100
934	34296	69	141	87	81	97	124	75	117	118	75	101
935	34297	96	138	90	96	110	143	98	144	139	80	118
936	34298	93	123	82	93	103	141	91	136	147	76	114
937	34299	67	121	87	81	90	106	80	110	110	45	94
938	34300	71	112	87	81	88	120	77	118	116	67	96
939	34301	71	128	83	86	95	115	78	103	117	58	99
940	34302	95	126	81		110	126	82	124	130	59	112
941	34303	77	114	92	91	94	124	82	108	118	47	101
942	34304	93	130	84	93	105	126	86	106	138	73	111
943	34305	83	115	88	90	96	127	77	124	119	75	102
944	Local Check	71	122	87	136	110	133	73	117	109	80	107
	Exp. mean	81	119	87	88	96	121	79	113	122	66	101

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Table 9.5: Number of Panicles/m² of entries in AVT 1 & IVT-R-DS-L, Kharif 2025

Entr y No	IET No	Zone III				Zone III (3)	Zone IV AS	Zone V MP	Zone VII			Overall I (6)
		OD	BI	WB	UP				AP		KA	
		JY P	BK G	HTW @	MS D	mean	TTB	JBP	RGL @	MT U	MGD @	mean
901	33241	191	284	160	139	204	252	269	215	327	300	243
902	Swarna Sub1	258	274	144	228	253	244	275	267	317	210	266
903	33248	232	267	159	225	241	209	198	218	294	370	237
904	33242	251	258	150	210	239	222	229	245	310	310	247
905	33257	245	209	138	206	220	255	309	208	320	283	257
906	34271	305	288		220	271	236	240	211	363	326	275
907	34272	223	197	175	223	214	255	290	182	347	317	255
908	34273	352	217	154	189	252	225	223	251	281	306	247
909	34274	322	238	176	206	255	252	313	254	353	344	281
910	Swarna(RP)	191	269	109	205	221	238	217	271	297	281	236
911	34275	302	291	92	202	265	276	297	399	290	304	276
912	34276	238	309	113	203	250	274	260	304	350	326	272
913	34277	275	246	144	224	248	219	244	208	267	224	246
914	34278	295	234	127	195	241	268	218	238	347	284	259
915	34279	268	318	185		293	248	233	263	307	269	275
916	34280	322	258	103	182	254	219	156	188	290	252	238
917	34281	302	280	181	205	262	271	246	274	290	280	265
918	34282	239		61	175	207	236	193	271	281	333	225
919	34283	288	252	182	176	239	229	218	251	261	287	237
920	CR Dhan 802	277	267	147	231	258	284	230	291	366	299	276
921	34284	232	294	153	224	250	257	195	208	317	354	253
922	34285	193	212		214	206	230	151	225	317	330	219
923	34286	228	257	140	211	232	263	217	225	350	325	254
924	34287	288	302	160	190	260	257	213	296	350	292	266
925	34288	291	271	175	185	249	240	203		327	336	253
926	34289	265	262	179	192	239	222	268	208	274	302	247
927	34290	224	251	138	245	240	268	291	231	304	387	264
928	CR Dhan 702 (Hybrid Check)	295	281	128	194	256	252	215		304	241	257
929	34291	308	264	212	199	257	241	286	198	323	261	270
930	34292	271	291	212	197	253	255	311	264	330	298	276
931	34293	245	322	222	195	254	261	236	254	271	258	255
932	34294	305	324		185	271		223	228	337	325	275
933	34295	224	242	181	192	219	268	324	215	320	276	262
934	34296	233	258	190	222	237	250	203	245	294	302	243
935	34297	248	236	138	180	221	247	213	278	304	256	238
936	34298	288	269	110	162	240	244	214	211	274	338	242
937	34299	218	238	176	180	212	229	198	251	337	313	233
938	34300	270	253	122	219	247	244	206	238	373	285	260
939	34301	241	271	154	183	231	276	189	261	287	366	241
940	34302	265	229	159		247	298	208	269	317	339	263
941	34303	302	287	196	225	271	239	298	215	297	269	274
942	34304	253	225	149	208	229	281	194	238	314	312	246
943	34305	315	311	132	222	283	225	224	215	347	324	274
944	Local Check	302	293	147	157	250	241	216	273	287	331	249
	Exp. mean	265	265	153	200	244	249	235	244	314	303	255
	CD	32	8	55	36	16	23	11	39	58	39	15
	CV%	7	2	22	11	4	5	3	10	11	8	3

Table 9.6: Grain quality characteristics of entries in AVT 1 & IVT-R-DS-L, Kharif 2025

Entry No	ET No.	Moisture %	Hull %	Mill %	HRR %	L (mm)	B (mm)	L/B	KLAC (mm)	ER	WU (ml/100g)	VER	ASV	GC (mm)	Amylose %	Type	Chalkiness
901	33241	11.20	78.24	66.92	63.91	5.28	2.64	2.00	9.10	1.72	325.00	4.25	5.00	50.00	20.88	SB	Ab
	Swarna																
902	Sub1	11.20	74.97	63.60	60.77	5.16	2.14	2.41	8.70	1.69	350.00	4.25	5.00	52.00	21.26	SB	Ab
903	33248	11.10	76.70	63.67	61.74	5.67	2.11	2.69	8.70	1.53	350.00	4.25	4.00	53.00	20.88	MS	Ab
904	33242	12.40	77.70	64.59	62.81	5.54	2.43	2.28	8.00	1.44	340.00	4.25	5.00	54.00	24.15	SB	Ab
905	33257	11.90	75.67	62.43	56.00	5.29	2.32	2.28	9.30	1.76	360.00	4.25	6.00	55.00	23.51	SB	Ab
906	34271	11.00	75.96	64.34	62.81	5.10	2.27	2.25	8.60	1.69	320.00	4.25	4.00	56.00	20.81	SB	Ab
	Swarna																
910	(RP)	11.40	76.58	64.96	62.88	5.31	2.22	2.39	9.00	1.69	335.00	4.25	5.00	57.00	22.46	SB	Ab
	CR Dhan																
920	802	11.20	76.70	66.54	64.37	5.41	2.27	2.38	8.20	1.52	320.00	4.25	5.00	54.00	22.50	SB	Ab
	CR Dhan																
	702																
	(Hybrid																
928	Check)	12.40	77.98	63.61	52.52	6.42	2.57	2.50	9.50	1.48	310.00	4.25	6.00	52.00	21.78	LB	Ab

ADVANCE VARIETY TRIAL 1- NIL (SUBMERGENCE)
(AVT 1-NIL SUB)

Locations	: 08	Test Entries: 03
Entries	: NILs: 03; RPs: 03; Sensitive check: 02; Tolerant check: 02	
Checks/	: RP: Sabour Shree, Pratikshya, CO 51	
Recurrent/	Swarna sub1 & Savitri sub1 (Tolerant checks)	
Donor	Swarna & MTU 1010 (Sensitive checks)	
Parents		

This trial includes 03 NILs along with their respective recurrent parents (03). The NILs derived from Sabour Shree (IET 33262) were in the second year of testing. The NILs derived from Pratikshya (IET 34116) and CO 51 (IET 34306) were in the first year of testing.

The data pertaining to yield, days to 50% flowering, plant height, panicles/m² are presented in tables 63.2 to 63.5

Yield performance of entries under normal condition:

The entries of AVT1-NIL-Submergence were tested for their yield performance under normal condition in the trials of their respective ecologies.

Trait verification:

The trial was sent to eight locations. The trial was not conducted at Arundhatinagar due to non-availability of suitable land. The trial was completely damaged at Sabour. The data from Gorakhpur was not considered as there was no submergence stress (only 30 cm of water depth was maintained). The data from Masodha was not considered for analysis as the seedling survival percentage of sensitive checks (MTU 1010, Swarna) were higher than tolerant checks (Swarna Sub1, Savitri Sub 1). The data from Maruteru was not considered due to low seedling survivability of tolerant checks (Swarna Sub1, Savitri Sub 1). The data from Aduturai was not considered for analysis due to low CV% (4.70) and also the seedling survival percentage of sensitive check (MTU 1010) was higher than tolerant checks (Swarna Sub1, Savitri Sub 1). Hence, data received from Cuttack and Bikramganj was only considered for analysis.

Based on mean yield under submergence stress condition during *Kharif* 2025, the NIL (IET 33262) derived from Sabour Shree were found to be significantly superior to the recurrent parent, Sabour Shree for yield under submergence. With respect to mean seedling survival percentage under submergence stress, the NIL derived from Sabour Shree performed better than recurrent parent and both the sensitive checks, hence trait verified.

The NIL (IET 34306) derived from CO 51 were found to be significantly superior to recurrent parent for yield under submergence. The mean seedling survival percentage of this NIL under submergence stress was also significantly superior than its recurrent parent and both the sensitive checks, hence trait verified

The mean yield under submergence stress condition of the NIL (IET 34116) derived from Pratikshya was at par with its recurrent parent. The seedling survival percentage of NIL derived from Pratikshya (IET 34116) under submergence stress was significantly superior than both the sensitive checks, but at par with the recurrent parent (Pratikshya), hence trait not verified.

Summary of two years' performance of entries found promising in AVT-1 NIL-Submergence

The NIL derived from Sabour Shree (IET 33262) performed significantly better for grain yield under submergence stress than the recurrent parent in 2024 and 2025. The seedling survival percentage under submergence was better than its recurrent parent in both the years. Hence the NIL of Sabour Shree (IET 33262) was found to be promising under submergence stress.

Grain yield (Kg/ha) of NIL entries in AVT-1 NIL- SUB along with their recurrent parents under submergence stress condition, Kharif, 2025

IET No.	CTK	BKG	MSD@	MTU@	ADT@	Mean
33262 (Sabour Shree -NIL)	4433	5060	5327	2106	4522	4751*
Sabour Shree (RP)	0	1250	5019	1550	3878	692
34116 (Pratikshya -NIL)	2105	5565	4984	2850	4460	4123
Pratikshya (RP)	2805		5068	1600		3433
34306 (CO 51 - NIL)	5025	5346	3909	1533	4989	5159*
CO 51 (RP)	803	2098	4364	1100	4600	1522
Swarna (Sensitive check 1)	0	1699	4716	1711	4283	962
MTU 1010 (Sensitive Check 2)	990	2172	4160	1617	5084	1641
Swarna Sub 1 (Tolerant Check 1)	5497	4815	2646	3583	4406	5030
Savitri Sub 1 (Tolerant Check 2)		1715	3432	3733	4838	1200
Exp. Mean	2406	3302	4363	2138	4562	2848
CD	1673.16	993.22	723.5	790.451	373.13	1169.00
CV %	29.40	17.28	9.628	21.4581	4.70	28.09

*Significantly ($p < 0.05$) superior over the recurrent parent

@Not considered for analysis due to high seedling survival under submergence stress or un acceptable CV%

Seedling Survival percentage of NIL entries in AVT-1 NIL- SUB over their recurrent parents under submergence stress condition, Kharif, 2025

Entry No	IET No	Zone III			Zone III (2)	Zone VII		Overall (2)
		OD	BI	UP		AP	TN	
		CTK	BKG	MSD@	mean	MTU@	ADT@	mean
6301	MTU 1010 (Sensitive Check 2)	19	23	38	22	9	83	22
6302	33262	57	73	61	67	12	68	67
6303	Sabour Shree (RP)	0	13	66	8	14	55	8
6304	Pratikshya (RP)	52		74	52	6		52
6305	Swarna (Sensitive Check 1)	0	14	42	9	14	63	9
6306	34306	65	72	43	69	4	80	69
6307	CO 51 (RP)	8	18	37	14	1	82	14
6308	Swarna Sub 1 (Tolerant Check 1)	77	73	22	74	30	78	74
6309	34116	39	75	59	63	15	58	63
6310	Savitri Sub 1 (Tolerant Check 2)		30	32	30	33	65	30
Exp. mean		35.17	43.26	47.47	39.20	13.93	70.37	39.20
CD		24.57	3.68	9.85	20.48	3.20	9.39	20.48
CV%		29.54	4.89	12.05	30.32	13.32	7.67	30.32

Grain yield (Kg/ha) of NIL entries in AVT-1 NIL- SUB over their recurrent parents under submergence stress condition, Kharif, 2025

Recurrent Parent	NIL-IET No.	NIL-Yield						RP-Yield						% over RP
		CTK	BKG	MSD @	MTU @	ADT @	Mean	CTK	BKG	MSD @	MTU @	ADT @	Mean	
Sabour Shree	33262	4433	5060	5327	2106	4522	4751	0	1250	5019	1550	3878	692	586.56
Pratikshya	34306	2105	5565	4984	2850	4460	4123	2805		5068	1600		3433	20.09
CO 51	34116	5025	5346	3909	1533	4989	5159	803	2098	4364	1100	4600	1522	238.96

Seedling survival percentage of NIL entries in AVT-1 NIL- SUB over their recurrent parents under submergence stress condition, Kharif, 2025

Recurrent Parent	NIL-IET No.	NIL-Seedling Survival (%)					RP-Seedling Survival (%)					% over RP		
		CTK	BKG	MSD @	MTU @	ADT @	Mean	CTK	BKG	MSD @	MTU @		ADT @	Mean
Sabour Shree	33262	57	73	61	12	68	67	0	13	66	14	55	8	737.50
CO 51	34306	65	72	43	4	80	69	8	18	37	1	82	14	392.85
Pratikshya	34116	39	75	59	15	58	63	52		74	6		52	21.15

Overall performance in seedling survival percentage of NILs those are in the second year of testing in AVT 1-NIL-Sub, Kharif, 2025

IET No./ Designation/ Cross combination	Year	Yield under submergence condition			Seedling Survival (%) under submergence condition		
		RP Yield	NIL Yield	% over RP	RP survival	NIL survival	% over RP
IET 33262 (BRR0263) Sabour Shree X Swarna Sub 1	2025	CTK 0 BKG 1250 Overall 692	CTK 4433 BKG 5060 Overall 4751	CTK 0 BKG 304.80 Overall 586.56	CTK 0 BKG 13 Overall 8	CTK 57 BKG 73 Overall 67	CTK 0 BKG 461.53 Overall 737.50
	2024	BKG 2104 Overall 2104	BKG 4966 Overall 4966	BKG 136.03 Overall 136.03	BKG 29.00 Overall 29.00	BKG 77 Overall 77	BKG 165.51 Overall 165.51

Details of water regime (cm) at different centers in AVT 1 NIL-Sub, Kharif 2025

Location	week	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Aduthurai	1st	Total number of days under submergence: 15 days (50 to 60 cm water level)						
	2nd							
	3rd							
	4th							
Bikramganj	1st			15	0	15	20	
	2nd			90	10	20	0	
	3rd		15	90	15			
	4th		20	0	0	25		
Gorakhpur	1st	The crop was not under submergence condition						
	2nd							
	3rd							
	4th							
Maruteru	1st				33	43	35	
	2nd			75	35	40	30	
	3rd			60	50	50	20	
	4th			30	30	35	20	
Masodha	1st			0	45	30	17	
	2nd			25	42	28	13	
	3rd			49	39	22	8	
	4th			54	35	19	5	
CRRI, Cuttack	1st	Submergence stress was imposed from 28th Aug to 11 th Sep 2025. Water depth maintained was 90-95 cm during this period.						
	2nd							
	3rd							
	4th							

Adaptability parameters of entries in AVT 1-NIL- Sub, Kharif 2025

Entry name	Phenotypic Acceptability						Kneeing Ability score (1-5)					
	ADT	BKG	GRK	MTU	MSD	CTK	ADT	BKG	GRK	MTU	MSD	CTK
6301	1	1	5	5	5		3			1	3	
6302	3	1	5	7	1		5			3	1	
6303	5	1	3	7	1		5			1	2	
6304				5	1					1	1	
6305	3	1	3	7	3		3			1	3	
6306	1	1	1	9	1		3			1	3	
6307	3	3		9	5		3			1	5	
6308	3	1	5	3	7		3			1	5	
6309	5	3	7	5	3		3			1	1	
6310	3	3	1	3	5		3			3	5	

(Contd.) Adaptability parameters of entries in AVT 1-NIL- Sub, Kharif 2025

Entry name	Grain Shattering score (1-9)						Elongation Ability Score (1-9)					
	ADT	BKG	GRK	MTU	MSD	CTK	ADT	BKG	GRK	MTU	MSD	CTK
6301	3	5		3	3		1	3		5	5	
6302	5	3		3	1		3	1		3	1	
6303	3	3		1	1		5	3		5	2	
6304				3	1					5	1	
6305	5	3		7	3		5	3		5	3	
6306	3	3		1	1		3	1		7	3	
6307	3	3		5	5		3	3		7	3	
6308	5	3		1	5		3	1		5	5	
6309	5	5		3	1		3	1		5	1	
6310	3	5		1	5		5	3		3	5	

(Contd.) Adaptability parameters of entries in AVT 1-NIL- Sub, Kharif 2025

Entry name	Regeneration (%)					
	ADT	BKG	GRK	MTU	MSD	CTK
6301	60	25		26	49	
6302	50	75		25	78	
6303	50	15		29	68	
6304				22	70	
6305	55	15		26	45	
6306	60	70		23	30	
6307	45	15		20	36	
6308	50	75		64	29	
6309	50	75		35	55	
6310	50	30		65	34	

Table No.63.1: Composition of entries in Advance Variety Trial 1- Near Isogenic Lines -Submergence (AVT 1-NIL SUB), Kharif 2025

Entry no	IET No	Designation	Cross combination	Grain Type
2 nd Year of testing				
6301	MTU 1010 (Sensitive check 2)			
6302	33262	BRR0298	Sabour shree X Swarna sub 1	MS
6303	Sabour Shree (RP)			
1 st year of testing				
6304	Pratikshya (RP)			
6305	Swarna (Sensitive check 1)			
6306	34306	CBMAS 22061	CO51 / 13 – 6*3	MS
6307	Co 51(RP)			
6308	Swarna sub 1 (Tolerant check)			
6309	34116	CR 6550	Pratikshya (RP) * Swarna sub 1	MS
6310	Savitri sub 1 (Tolerant check 2)			

Table No. 63.2: Grain Yield (Kg/ha) of entries in AVT-1 NIL SUB Kharif 2025

Entry No	IET No	Zone III				Zone III (2)		Zone VII			Overall (2)		
		OD	BI	UP	mean	AP	TN	mean					
		CTK	BKG	MSD@		MTU@	ADT@						
6301	MTU 1010 (Sensitive Check 2)	990	7	2172	6	4160	8	1641	7	5084	1	1641	7
6302	33262	4433	3	5060	3	5327	1	4751	3	2106	5	4522	6
6303	Sabour Shree (RP)	0	9	1250	10	5019	3	692	11	1550	9	3878	10
6304	Pratikshya (RP)	2805	4			5068	2	3433	6	1600	8		3433
6305	Swarna (Sensitive Check 1)	0	9	1699	9	4716	5	962	10	1711	6	4283	9
6306	34306	5025	2	5346	2	3909	9	5159	1	1533	10	4989	2
6307	CO 51 (RP)	803	8	2098	7	4364	6	1522	8	1100	11	4600	4
6308	Swarna Sub 1 (Tolerant Check 1)	5497	1	4815	4	2646	11	5030	2	3583	2	4406	8
6309	34116	2105	6	5565	1	4984	4	4123	4	2850	3	4460	7
6310	Savitri Sub 1(Tolerant Check 2)		9	1715	8	3432	10	1200	9	3733	1	4838	3
	Exp. mean	2406	5	3302	5	4363	7	2848	5	2138	4	4562	5
	CD	1673.16		993.22		723.52		1169.00		790.45		373.13	
	CV%	29.40		17.28		9.63		28.09		21.458		4.70	
	F value @ 5%	S	S	S	S	S	S	S	S	S	S	S	S
	D/S	08.07.2025		03.07.2025		20.07.2025				06.07.2025		25.08.25	
	D/P	07.08.2025		25.07.2025		20.08.2025				12.08.2025		17.09.25	

Table No. 63.3: Days to 50% flowering of entries in AVT-1 NIL SUB *Kharif* 2025

Entry No	IET No	Zone III			Zone III (2) mean	Zone VII		Overall (2) mean
		OD	BI	UP		AP	TN	
		CT K	BK G	<u>MSD @</u>		<u>MTU @</u>	<u>ADT @</u>	
6301	MTU 1010 (Sensitive Check 2)	132	119	118	124	110	105	124
6302	33262	129	120	122	123	114	110	123
6303	Sabour Shree (RP)		124	119	124	113	101	124
6304	Pratikshya (RP)	125		119	125	113		125
6305	Swarna (Sensitive Check 1)		125	126	125	98	112	125
6306	34306	128	112	111	118	105	109	118
6307	CO 51 (RP)	134	99	123	111	92	100	111
6308	Swarna Sub 1 (Tolerant Check 1)	134	125	126	128	113	113	128
6309	34116	133	123	122	126	120	104	126
6310	Savitri Sub 1(Tolerant Check 2)		127	123	127	122	107	127
Exp. mean		130	119	121	119	110	107	119
CD		2	1	3	39	4	5	39
CV%		1	0	2	19	2	3	19

Table No. 63.4: Plant height of entries in AVT-1 NIL-SUB *Kharif*, 2025

Entry No	IET No	Zone III			Zone III (2) mean	Zone VII		Overall (2) mean
		OD	BI	UP		AP	TN	
		CT K	BK G	<u>MSD @</u>		<u>MTU @</u>	<u>ADT @</u>	
6301	MTU 1010 (Sensitive Check 2)	79	108	96	93	91	98	93
6302	33262	75	103	101	89	105	94	89
6303	Sabour Shree (RP)		78	106	78	100	109	78
6304	Pratikshya (RP)	78		105	78	96		78
6305	Swarna (Sensitive Check 1)		73	91	73	96	96	73
6306	34306	82	107	93	94	82	94	94
6307	CO 51 (RP)	70	92	90	81	80	78	81
6308	Swarna Sub 1 (Tolerant Check 1)	73	85	91	79	99	90	79
6309	34116	70	100	95	85	100	96	85
6310	Savitri Sub 1(Tolerant Check 2)		121	77	121	116	94	121
Exp. mean		75.41	96.18	94.50	87.20	96.63	94.20	87.20

Table No. 63.5: No. of Panicle/m² of entries in AVT-1 NIL-SUB Kharif, 2025

Entry No	IET No	Zone III			Zone III (2) mean	Zone VII		Overall (2) mean
		OD	BI	UP		AP	TN	
		CTK	BKG	MSD@		MTU@	ADT@	
6301	MTU 1010 (Sensitive Check 2)	207	225	254	213	91	204	213
6302	33262	389	278	244	312	137	314	312
6303	Sabour Shree (RP)		89	249	89	114	318	89
6304	Pratikshya (RP)	332		262	332	93		332
6305	Swarna (Sensitive Check 1)		116	261	116	141	358	116
6306	34306	435	287	251	332	73	263	332
6307	CO 51 (RP)	135	115	264	119	56	217	119
6308	Swarna Sub 1 (Tolerant Check 1)	405	265	216	316	216	346	316
6309	34116	230	290	262	271	162	325	271
6310	Savitri Sub 1(Tolerant Check 2)		114	227	114	242	312	114
Exp. mean		305	198	249	210	132	295	210
CD		96	44	24	115	28	16	115
CV%		12.21	12.92	5.65	31.68	12.47	3.17	31.68

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ADVANCE VARIETY TRIAL 1-NEAR ISOGENIC LINES-DROUGHT (AVT1-NIL-DRT)

Locations: 12

Test Entries: 06

Checks:

Sahbhagidhan – Tolerant Check

Vandana – National Check

Anjali– National Check; **CR Dhan 808** – Corresponding tolerant NIL Check 2

IR64 – Sensitive Check; **CR Dhan 804** – Corresponding tolerant NIL Check 1

Swarna-Sub1: Sensitive Check; **CR Dhan 802** – Corresponding tolerant NIL Check 3

Recurrent Parents: IR64, Samba Mahsuri/ DRR Dhan 50, Improved White Ponni

Advance variety trial 1-NIL (drought) was conducted across 12 locations (Four zones: Zone III, IV, V and VII) to evaluate the performance of 06 nominated drought tolerant near isogenic lines (NILs) in comparison to the three recurrent parents (RP). Besides standard national checks Vandana and Sahbhagidhan, three sets of droughts tolerant near isogenic lines of IR64, Anjali and Swarna-Sub1 with varying maturity durations were used as checks to verify stress situations at different locations and growth stages.

Data of seven centers (Ranchi, Bikramganj, Arundhatinagar, Jabalpur, Vyara, Coimbatore and Mugad) were not considered as there were no dry spells reported from the locations or the average yield were high indicating no stress on genotypes. Cuttack location was not considered as F value at 5% level is non-significant. The locations with at least one dry spell, low average yield of trial and significant differences in yield levels for at least one tolerant NIL check and its corresponding sensitive recurrent parent were considered for analysis. Finally, data from Jeypore, Hazaribagh, Raipur and Rewa were considered for further analysis. Trait verification was carried out based on overall performance across locations.

Criteria for selection or rejection of trial locations:

Trial Location	Number of dry spells	Average yield (Kg/ha)	Classification
Zone III			
Jeypore	1	3132	Considered as drought location
Cuttack	1	3919	Location not considered as F value at 5% level is non-significant
Ranchi	Nil	3633	Not considered as drought location. There was no dry spell
Hazaribagh	1	2345	Considered as drought location
Bikramganj	Nil	5086	Not considered as there was no dry spell
Zone IV			
Arundhatinagar	Nil	4883	Not considered as there was no dry spell
Zone V			
Rewa	2	2693	Considered as drought location
Jabalpur	4	5151	Not considered as average trial yield is high
Raipur	1	2770	Considered as drought location

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Trial Location	Number of dry spells	Average yield (Kg/ha)	Classification
Zone VI			
Vyara	Nil	373	Not considered as drought location. There was no dry spell.
Zone VII			
Coimbatore	Nil	1298	Not considered as drought location. There was no dry spell.
Mugad	Nil	4196	Not considered as drought location. There was no dry spell.

Table 64.1: Composition of entries in Advance Variety Trial 1- Near Isogenic Lines- Drought (AVT 1-NIL DRT), Kharif 2025

Entry No.	IET No.	Designation	Cross combination	Grain Type	DFP
2nd year of testing					
6401	Swarna Sub 1				115
6402	33266	CRR 835-8-5-B	CRR 751-1-12/CRR750-6-B-B-1// CRR 744-74-41-B	LS	88
6403	Vandana (NC)				74
1 st year of testing					
6404	DRR Dhan-50 (RP)				98
6405	34307	CBMAS 22920	Improved White Ponni/ Apo	MS	106
6406	Sahbhagidhan (Tolerant Check)				68
6407	Anjali				68
6408	32981(R)	RP 6827-GPV-1500-177-7-2-1	DRR Dhan 50*2/SAB-4-7-5	MS	93
6409	IR 64 (Sensitive Check& RP)				73
6410	Sambha Masuri (RP)				102
6411	31286	CRR 744-74-41-B	IR64*3/IR 81896-B-B-195	LS	89
6412	CR Dhan 804 (Tolerant NIL Check 1)				
6413	34308	RP 6867-105-20-8-1-1	DRR Dhan 50*2/SAB-4-7-5	MS	94
6414	CR Dhan 808 (Tolerant NIL Check 2)				
6415	34309	RP 6865-177-30-12-2-1	DRR Dhan 50*2/SAB-4-7-5	MS	93
6416	Improved White Ponni (RP)				105
6417	CR Dhan 802 (Tolerant NIL Check 3)				

Performance of NIL entries: Among the NILs tested for drought tolerance, only the entry IET 33266 was superior to its recurrent parent IR64 at all the drought stress locations and on overall basis. Another NIL of IR64 (IET 31286) was inferior to the recurrent parent. The NIL of Improved White Ponni (RP) was inferior to recurrent parent under drought stress. All the three NILs of Sambha Mahsuri (IET 32981, 34308 and 34309) were inferior or at-par with Sambha

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Mahsuri. DRR Dhan 50 was also inferior to Sambha Mahsuri. IET 34308 was inferior and IET 34309 were at-par with DRR Dhan 50. IET 32981 was superior to DRR Dhan-50, but at-par with Sambha Mahsuri.

Performance of NILs (Trait Verification) under Drought Stress

Entry No	IET No	Trial locations under drought stress				Overall (4)	Remarks
		Jeypore	Hazaribagh	Raipur	Rewa	Mean	
6409	IR 64 (RP)	2197	3128	2196	4524	2409	
	RP+CD	2774	3469	2838	4902	2612	
6402	33266	3105	4410	3194	5328	3207*	Superior to RP
6411	31286	2858	3410	2542	2268	2216	Inferior to RP
6416	Improved White Ponni (RP)	4326	1186	2857	627	1799	
	RP+CD	4903	1527	3499	1005	2002	
6405	34307	3377	423	2110	1404	1463	Inferior to RP
6410	Sambha Masuri (RP)	4224	391	3738	1593	1989	
	RP+CD	4801	732	4380	1971	2193	
6404	DRR Dhan-50 (RP) and NIL of Sambha Masuri	3109	1679	2142	1170	1620	Inferior to Sambha Mahsuri
	RP+CD	3686	2020	2784	1548	1823	
6408	32981(R)	2652	1679	3450	2892	2135	At-par with Sambha Mahsuri. Superior to DRR Dhan 50
6413	34308	2122	731	2027	2160	1408	Inferior to Sambha Mahsuri and DRR Dhan 50
6415	34309	3711	596	1056	3126	1698	Inferior to Sambha Mahsuri and at-par with DRR Dhan 50
	CD value	577	341	642	378	203	

Table 64.2: Grain Yield (Kg/ha) of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone III											Zone III (2)		
		OD		OD (I)	BI	JH	JH	JH	JH (I)		Zone III (2)				
		CTK@	JYP	mean	BKG@	HZB	RCI@	mean	mean	mean					
6401	Swarna Sub 1	4513	3	3889	4	4211				4120	7			3889	1
6402	33266	3938	10	3105	9	5544	6	4410	1	4352	4	4410	1	3758	3
6403	Vandana (NC)	3333		2280		4172		1929	9	4028	8	1929	9	2105	
6404	DRR Dhan-50 (RP)	3356		3109	8	5850	3	1679	10	4583	2	1679	10	2394	
6405	34307	2528		3377	7	6500	1	423		4306	5	423		1900	
6406	Sahbhagidhan (Tolerant Check)	4491	4	1993		5794	4	3571	4	3380		3571	4	2782	8
6407	Anjali	3201		3847	5	4089		3795	3	3287		3795	3	3821	2
6408	32981(R)	4248	7	2652		5606	5	1679	10	2639		1679	10	2166	
6409	IR 64 (Sensitive Check& RP)	3421		2197		4489		3128	7	4213	6	3128	7	2662	10
6410	Sambha Masuri (RP)	4100	8	4224	3	4322		391		2500		391		2308	
6411	31286	3146		2858	10	5900	2	3410	6	4444	3	3410	6	3134	6
6412	CR Dhan 804 (Tolerant NIL Check 1)	4353	5	2766		5211	8	4103	2	3796	9	4103	2	3434	5
6413	34308	4534	2	2122		5117	9	731		3287		731		1426	
6414	CR Dhan 808 (Tolerant NIL Check 2)	3741		2488		5067	10	3538	5	2407		3538	5	3013	7
6415	34309	4003	9	3711	6	4517		596		2083		596		2153	
6416	Improved White Ponni (RP)	4324	6	4326	1	4578		1186		5046	1	1186		2756	9
6417	CR Dhan 802 (Tolerant NIL Check 3)	5388	1	4304	2	5494	7	2949	8	3287		2949	8	3626	4
	Exp. mean	3918.57	3132.21	3132.21	5085.95	2344.95	3632.90	2344.95		2344.95		2344.95		2783.99	
	CD	1306.44	577.16	577.16	797.33	340.82	601.99	340.82		601.99		340.82		361.46	
	CV%	24.11	13.32	13.32	11.34	10.49	11.98	10.49		11.98		10.49		9.39	
	F value @ 5%	NS	S	S	S	S	S	S		S		S		S	
	D/S	13.08.2025	19.07.2025		01.07.2025	31.07.2025	28.06.2025			28.06.2025					
	D/P		13.08.2025		19.08.2025	25.08.2025	23.07.2025			23.07.2025					

Table 64.2 (Cont.): Grain Yield (Kg/ha) of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone IV		Zone V				Zone V (2)		Zone VI		Zone VII			Overall (4)				
		TP	CG	MP		mean	GU	TN	KA										
				ARD@	RPR					JBP@	REW	VYR@	CBT@	MGD@					
6401	Swarna Sub 1	4632	10	5354	1	5257	6	1416	3385	3	987	1	1671	2	5396	4	2665	2	
6402	33266	4153		3194	5	4793		5328	1	4261	1	964	2	1330		3549	3207	1	
6403	Vandana (NC)	4626		1932		5193	8	4140	5	3036	7	116		1409	6	3990	9	2056	
6404	DRR Dhan-50 (RP)	4579		2142		5497	4	1170		1656		53		1496	3	4228	7	1620	
6405	34307	4842	7	2110		4597		1404		1757		333	8	1408	7	4233	6	1463	
6406	Sahbhagidhan (Tolerant Check)	4711	8	2739	8	5480	5	4770	2	3754	2	126		1420	5	3031		2614	4
6407	Anjali	4474		1811		4893		2400	9	2106		0		1392	8	3376		2371	7
6408	32981(R)	5458	2	3450	4	4837		2892	7	3171	6	158		1337	9	3310		2135	10
6409	IR 64 (Sensitive Check& RP)	5595	1	2196	10	6057	1	4524	3	3360	4	80		1315		3953	10	2409	6
6410	Sambha Masuri (RP)	5400	3	3738	3	5183	9	1593		2665	10	318	9	1335	10	5595	3	1989	
6411	31286	5400	3	2542	9	5533	3	2268	10	2405		769	5	1804	1	4633	5	2216	9
6412	CR Dhan 804 (Tolerant NIL Check 1)	4605		1963		5067	10	4422	4	3192	5	543	6	1304		3440		2651	3
6413	34308	5342	5	2027		5973	2	2160		2094		125				3381		1408	
6414	CR Dhan 808 (Tolerant NIL Check 2)	5326	6	3022	6	4620		2700	8	2861	9	773	4	1437	4	4170	8	2350	8
6415	34309	4684	9	1056		5223	7	3126	6	2091		256	10	1234		3575		1698	
6416	Improved White Ponni (RP)	4595		2857	7	4837		627		1742		451	7	1244		5629	2	1799	
6417	CR Dhan 802 (Tolerant NIL Check 3)	4589		4953	2	4527		843		2898	8	911	3	1304		5843	1	2610	5
Exp. mean		4882.97		2769.68		5150.98		2693.12		2731.40		373.40		1298.02		4195.98		2191.75	
CD		477.51		641.80		617.68		378.29		366.38		166.09		105.83		590.01		203.32	
CV%		6.86		16.75		8.67		10.16		9.70		32.10		5.88		10.17		6.71	
F value @ 5%		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
D/S		16.07.2025		24.06.2025		26.06.2025		03.07.2025				05.07.2025		12.09.25		15.06.25			
D/P		06.08.2025		20.07.2025		20.07.2025		01.08.2025				07.08.2025				Drill Sown			

Table64.3: Days to 50% flowering of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone III							Zone III (2)	Zone IV	
		OD		OD (1)	BI	JH	JH	JH (1)		TP	
		CTK@	JYP	mean	BKG@	HZB	RCI@	mean		ARD@	
6401	Swarna Sub 1	92	92	92	102		106		92	74	
6402	33266	82	100	100	90	75	86	75	87	81	
6403	Vandana (NC)	85	94	94	88	78	84	78	86	79	
6404	DRR Dhan-50 (RP)	86	92	92	92	94	92	94	93	78	
6405	34307	112	100	100	91	101	110	101	100	82	
6406	Sahbhagidhan (Tolerant Check)	82	82	82	95	75	74	75	79	73	
6407	Anjali	82	72	72	99	62	79	62	67	70	
6408	32981(R)	83	89	89	95	86	90	86	87	76	
6409	IR 64 (Sensitive Check& RP)	86	88	88	100	76	82	76	82	78	
6410	Sambha Masuri (RP)	91	88	88	99	102	100	102	95	80	
6411	31286	82	87	87	86	75	88	75	81	83	
6412	CR Dhan 804 (Tolerant NIL Check 1)	82	87	87	88	75	84	75	81	76	
6413	34308	83	101	101	98	88	104	88	94	78	
6414	CR Dhan 808 (Tolerant NIL Check 2)	83	83	83	100	63	85	63	73	80	
6415	34309	86	100	100	88	89	85	89	95	81	
6416	Improved White Ponni (RP)	83	93	93	97	95	105	95	94	74	
6417	CR Dhan 802 (Tolerant NIL Check 3)	86	98	98	99	95	110	95	97	76	
	Exp. mean	86	91	91	95	83	92	83	87	77	
	CD	1.5	1.7	1.7	1.4	1.4	2.6	1.4	1.1	1.5	
	CV%	1.2	1.4	1.4	1.0	1.2	2.1	1.2	0.9	1.4	

Table 64.3 (Cont.): Days to 50% flowering of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone V			Zone V(2)	Zone VI	Zone VII		Overall (4)
		CG	MP				TN	KA	
			RPR	JBP@					
6401	Swarna Sub 1	109	129	111	110	VYR@	105	113	104
6402	33266	82	101	109	95		80	93	91
6403	Vandana (NC)	82	104	90	86	126	89	94	86
6404	DRR Dhan-50 (RP)	101	118	111	106	108	101	102	100
6405	34307	116	156	112	114	82	85	123	107
6406	Sahbhagidhan (Tolerant Check)	81	86	89	85	73	83	80	82
6407	Anjali	74	88	86	80		81	85	74
6408	32981(R)	100	116	105	103	103	85	98	95
6409	IR 64 (Sensitive Check& RP)	81	89	89	85	127	61	91	84
6410	Sambha Masuri (RP)	112	128	113	112	85	85	110	104
6411	31286	79	100	113	96	82	80	93	88
6412	CR Dhan 804 (Tolerant NIL Check 1)	84	99	97	90	83	80	93	85
6413	34308	97	113	104	101	103		98	98
6414	CR Dhan 808 (Tolerant NIL Check 2)	70	83	87	79	97	62	74	76
6415	34309	94	123	111	102	103	85	100	99
6416	Improved White Ponni (RP)	99	129	112	106	85	96	104	100
6417	CR Dhan 802 (Tolerant NIL Check 3)	101	132	111	106	114	96	102	102
	Exp. mean	92	111	103	97	91	78	97	92
	CD	2.7	1.4	2.4	1.6	1.5	0.8	5.2	1.1
	CV%	2.1	0.9	1.7	1.2	1.2	0.7	3.8	0.8

Table 64.4: Plant height (cm) of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone III								Zone III (2)	
		OD		OD (1)	BI	JH	JH	JH	JH (1)	mean	mean
		<u>CTK@</u>	<u>JYP</u>	mean	<u>BKG@</u>	HZB	<u>RCI@</u>		mean		
6401	Swarna Sub 1	96	82	82	105		93				82
6402	33266	95	75	75	110	93	99		93		84
6403	Vandana (NC)	98	69	69	116	82	84		82		76
6404	DRR Dhan-50 (RP)	105	81	81	104	81	92		81		81
6405	34307	92	94	94	109	80	82		80		87
6406	Sahbhagidhan (Tolerant Check)	116	76	76	108	100	80		100		88
6407	Anjali	123	81	81	99	137	76		137		109
6408	32981(R)	88	71	71	110	76	77		76		73
6409	IR 64 (Sensitive Check& RP)	99	66	66	115	85	96		85		75
6410	Sambha Masuri (RP)	86	87	87	100	73	91		73		80
6411	31286	109	79	79	120	94	99		94		87
6412	CR Dhan 804 (Tolerant NIL Check 1)	100	75	75	101	90	96		90		82
6413	34308	96	95	95	107	84	80		84		90
6414	CR Dhan 808 (Tolerant NIL Check 2)	116	86	86	115	127	115		127		106
6415	34309	93	77	77	105	69	87		69		73
6416	Improved White Ponni (RP)	128	88	88	110	113	119		113		100
6417	CR Dhan 802 (Tolerant NIL Check 3)	101	77	77	109	86	84		86		81
Exp. mean		102.35	80.00	80.00	108.31	92.00	91.18		92.00		85.69

Table 64.4 (Cont.): Plant height (cm) of entries in AVT-1 NIL DRT Kharif 2025

ENTRY No	IET No	Zone IV		Zone V			Zone V (2)	Zone VI		Zone VII		Overall (4)
		TP	CG	MP	GU	TN		KA				
		ARD@	RPR	JBP@	REW	mean	VYR@	CBT@	MGD@	mean		
6401	Swarna Sub 1	106	108	61	68	88	83	62	67	86		
6402	33266	116	104	78	84	94	90	80	66	89		
6403	Vandana (NC)	129	96	61	83	89	71	72	57	82		
6404	DRR Dhan-50 (RP)	121	104	62	74	89	73	74	77	85		
6405	34307	111	101	68	82	91	75	85	74	89		
6406	Sahbhagidhan (Tolerant Check)	90	111	75	91	101	80	80	62	95		
6407	Anjali	120	115	68	92	103		81	77	106		
6408	32981(R)	116	102	64	72	87	68	85	72	80		
6409	IR 64 (Sensitive Check& RP)	119	99	67	81	90	68	62	58	83		
6410	Sambha Masuri (RP)	130	104	64	68	86	75	64	63	83		
6411	31286	114	128	57	50	89	81	73	70	88		
6412	CR Dhan 804 (Tolerant NIL Check 1)	114	93	67	82	88	76	68	56	85		
6413	34308	137	96	62	68	82	66		68	86		
6414	CR Dhan 808 (Tolerant NIL Check 2)	119	135	61	89	112	92	73	90	109		
6415	34309	119	98	70	91	95	68	86	67	84		
6416	Improved White Ponni (RP)	112	114	107	82	98	104	80	98	99		
6417	CR Dhan 802 (Tolerant NIL Check 3)	116	115	70	70	92	94	62	75	87		
Exp. mean		116.88	107.30	68.42	77.97	92.64	78.95	74.03	70.41	89.23		

Table 64.5: Number of panicle/m² of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone III							Zone III (2)	Zone IV
		OD		OD (1)	BI	JH	JH	JH (1)	TP	
		CTK@	JYP	mean	BKG@	HZB	RCI@	mean	ARD@	
6401	Swarna Sub 1	412	384	384	374		287	384	540	
6402	33266	353	288	288	375	344	226	316	562	
6403	Vandana (NC)	308	176	176	401	181	124	179	595	
6404	DRR Dhan-50 (RP)	333	235	235	363	264	267	249	583	
6405	34307	397	279	279	375	161	319	220	565	
6406	Sahbhagidhan (Tolerant Check)	310	176	176	413	189	250	183	592	
6407	Anjali	332	183	183	437	247	185	215	576	
6408	32981(R)	435	266	266	374	292	117	279	586	
6409	IR 64 (Sensitive Check& RP)	367	217	217	391	253	208	235	563	
6410	Sambha Masuri (RP)	527	288	288	373	162	235	225	586	
6411	31286	377	228	228	409	211	224	220	568	
6412	CR Dhan 804 (Tolerant NIL Check 1)	470	224	224	375	270	178	247	520	
6413	34308	395	196	196	419	145	217	170	548	
6414	CR Dhan 808 (Tolerant NIL Check 2)	413	189	189	384	236	200	212	565	
6415	34309	343	305	305	395	187	99	246	567	
6416	Improved White Ponni (RP)	455	266	266	386	249	291	257	590	
6417	CR Dhan 802 (Tolerant NIL Check 3)	417	337	337	382	282	309	309	537	
	Exp. mean	391	249	249	390	230	220	244	567	
	CD	116.4	30.5	30.5	13.7	36.1	95.2	23.1	84.6	
	CV%	21.5	8.9	8.9	2.5	11.4	31.3	6.8	10.5	

Table 64.5 (Cont.): Number of panicle/m² of entries in AVT-1 NIL DRT Kharif 2025

Entry No	IET No	Zone V			Zone V (2)	Zone VI	Zone VII		Overall (4)
		CG	MP				TN	KA	
			RPR	JBP@	REW	GU			CBT@
		6401	Swarna Sub 1	301	262	212	256	39	247
6402	33266	296	258	277	286	69	262	301	301
6403	Vandana (NC)	300	284	300	300	47	262	214	239
6404	DRR Dhan-50 (RP)	316	234	239	278	44	257	279	263
6405	34307	295	287	185	240	32	209	298	230
6406	Sahbhagidhan (Tolerant Check)	293	227	265	279	40	261	213	231
6407	Anjali	291	251	151	221		189	204	218
6408	32981(R)	304	268	267	286	41	218	285	282
6409	IR 64 (Sensitive Check& RP)	265	298	241	253	40	232	243	244
6410	Sambha Masuri (RP)	351	253	175	263	40	236	351	244
6411	31286	324	282	181	252	77	251	308	236
6412	CR Dhan 804 (Tolerant NIL Check 1)	289	266	285	287	71	186	223	267
6413	34308	288	303	260	274	50		259	222
6414	CR Dhan 808 (Tolerant NIL Check 2)	277	195	237	257	68	242	269	235
6415	34309	348	260	260	304	45	195	206	275
6416	Improved White Ponni (RP)	339	266	115	227	56	216	322	242
6417	CR Dhan 802 (Tolerant NIL Check 3)	284	276	202	243	45	243	311	276
	Exp. mean	304	263	227	265	48	216	272	253
	CD	46.8	8.0	38.2	33.5	10.4	14.7	38.1	20.4
	CV%	11.1	2.2	12.2	9.1	15.6	4.9	10.1	5.8

AICRP (Rice) Monitoring Report, 2025

The monitoring reports of the AICRPR centers under Zone III and Zone IV are given below.

Monitoring Team-1: The team comprised of three scientists. Dr. J. Meher, Pr. Scientist (Genetics and Plant Breeding) and Dr. Anjani Kumar, Sr. Scientist (Soil Science) from ICAR-CRRI, and Dr. M.S. Anantha, Sr. Scientist (Genetics and Plant Breeding) from ICAR-IIRR monitored all the trials from Bihar during 1.11.2025 to 6.11.2025. At RPCAU, Pusa, Bihar, total 14 trials were conducted. IVT-EDS and AVT 2&1-EDS trials were harvested before monitoring. All the trials were conducted as per guidelines and layouts. At BAU, Sabour Bihar, total 18 trials were conducted. The AVT 2&1 – RSL, IVT -RSL and AVT 1-NIL Sub trials were damaged due to flood water inundation. Rest of the trials were conducted as per guidelines and layouts. At BAU- Botanical Research Sub Station, Bikramganj, Rohtas, Bihar, AVT 2-NIL Submergence trial was not conducted properly as there were less water stagnation and high rate of survival of checks and RPs. The different trials were conducted in a larger plot but not as per the lay out given for randomization. AT ICAR Res. Complex for Eastern Region, Patna, Bihar, four trials were conducted (AVT 2&1 -ETP, IVT-ETP, AVT 2 & 1 -Aerob and IVT – Aerob.). Trials were at maturity stage and ready for harvesting. All the trials were conducted as per guidelines and layouts in large plots.



Fig. 1: Monitoring of trials at different testing centers of Bihar under AICRP (Rice) during Kharif 2025

Monitoring Team-2: The team comprised of four scientists from ICAR-CRRI which included Dr. M. Chakraborti, Sr. Scientist (Genetics and Plant Breeding); Dr. N.P. Mandal, Pr. Scientist (Genetics and Plant Breeding); Dr. A. Poonam, Pr. Scientist (Agronomy) and Dr. S. Bhagat, Pr. Scientist (Plant Pathology). All trials of Jharkhand and two districts of West Bengal were covered. At BAU, Ranchi, Jharkhand, a total of 25 plant breeding, 07 Agronomy, 06 Plant Pathology, 06 Entomology, 01 Soil Science and 01 Plant Physiology trials were conducted. All trials were conducted as conducted as per guidelines and layouts. ICAR-IIAB, Garhkhatanga, Ranchi, two trials (IVT-EDS and AVT 2 & 1-EDS) were conducted. Both trials were conducted systematically. However, heavy incidences of neck blast were recorded. At ICAR-CRRI-CRURRS, Hazaribagh, Total Five breeding trials were conducted. Two Agronomy and one Soil Science trials couldn't be carried out due to heavy rain. All the trials were conducted as per guidelines. At Rice Research Station, Hathwara, Purulia, West Bengal; out of 11 trials allotted to centre, 10 trials were conducted. Only one trial was not possible to conduct due to wash out of seedbed by heavy rains. All the 10 trials were conducted as per guidelines and layouts. At Rice Research Station, Bankura, 11 trials were conducted as per guidelines and layouts.



Fig. 2: Monitoring of trials at different testing centers of Jharkhand and two districts of West Bengal under AICRP (Rice) during *Kharif* 2025

Monitoring Team-3: The team comprised of four scientists from ICAR-CRRI which included 1. Dr. R. L. Verma, Sr. Scientist (Genetics and Plant Breeding), Dr. M.K. Bag, Pr. Scientist (Plant Pathology) and Mr. Amit Kumar Dash, Scientist (Soil Science). The team monitored five locations of eastern Uttar Pradesh. At BHU, Varanasi, Total 31 trials (16-breeding, 11-agronomy, and 04 plant pathology trials) were sent to the centre and all the trials were conducted. Trials were conducted as per guidelines and layouts. At ANDUAT, Masodha, Ayodhya, the center was allotted with total 28 breeding trials and all are conducted as per recommendation of AICRPR. Plant Pathology trials NSN-1, NSN-2, NHSN, and DSN along with NSN1 from CRRI for rainfed trials were conducted. Entomology trials on NSN against insect pests, leaf folder screening nursery (LFST) and multiple resistance screening nursery (MRST) were conducted. ANDUAT, Ghagrahat, Ayodhya, AVT1-RSL, IVT-RSL, IVT-SDW and IVT-DW trials were conducted as per guidelines and layouts. Optimum plot size and requisite water regimes were maintained in all the breeding trials. At ICAR-CSSRI, Regional station, Lucknow, AVT2 & 1 AL&ISTVT, IVT-AL & ISTVT, AVT1-DSR and IVT-DSR trials were conducted. All trials were conducted as per guidelines and layouts. Optimum plot sizes were maintained. At CRC, Gorakhpur, Total 10 breeding trials were conducted and the trials were conducted as per guidelines and layouts. Optimum plot sizes were maintained.



Fig. 3: Monitoring of trials at different testing centers of eastern Uttar Pradesh under AICRP (Rice) during *Kharif* 2025

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Monitoring Team-4: The AICRIP monitoring across Cuttack, Bhubaneswar, Chiplima, and Jeypore was carried out by a scientific delegation including Dr. S.K. Dash, Dr. Reshmi Raj K.R., Dr. Sushmita Munda, and Dr. Raghu S. In ICAR-CRRI, Cuttack 41 breeding were assigned, but two could not be conducted. The crop condition was good and plots were maintained properly. The major disease observed was bacterial leaf blight, grain discoloration and major insect pests were stem borer. The team visited the trials at OUAT, Bhubaneswar and monitored 04 rainfed and 08 irrigated breeding trials. All the trials were conducted as per the guidelines of AICRIP. High infection of brown spot and bacterial leaf blight was observed in several entries. Grain discoloration and shoot borer infestation was also observed in most of the trials. In OUAT, Chiplima center, 17 breeding trials were assigned, however 7 trials were not conducted. The team visited the trials at OUAT, Jeypore center and monitored 05 rainfed and 14 irrigated trials. The trials were conducted as per the AICRIP guidelines. The major disease observed were false smut and bacterial leaf blight and major insect pests were stem borer.



Fig. 4: Monitoring of trials at different testing centers of eastern Odisha under AICRP (Rice) during *Kharif* 2025

Monitoring team 5: The team monitored AICRP (Rice) trials of Assam and Meghalaya. The team comprised of four members including Dr. K Chattopadhyay, Pr. Scientist (Genetics and Plant Breeding), Dr. K Chakraborty, Sr. Scientist (Plant Physiology) and Dr. K Saikia, Pr. Scientist (Entomology). In Gerua, Assam twelve breeding trials and 2 Entomology trials were conducted satisfactorily. ICAR Research Complex for NEH Region, Barapani conducted two breeding trials, namely IVT U(H) and AVT-2 & IVT M(H) which was found satisfactory. But heavy infestation of false-smut was observed. CAU at Umiam, Meghalaya also conducted these two trials. Bird and rat damages were noticed. In Upper Shillong team monitored 2 Plant Breeding, 3 Agronomy and 5 Plant Pathology trials. One Plant Breeding trial, AVT 1& IVT-U (H) could not be conducted by the center due to damage of seedlings at seed bed for unseasoned rain. In AAU-Assam Rice Research Institute, Titabar team monitored 21 trials of Plant Breeding, 6 trials of Plant Physiology, 9 trials of Agronomy, 11 trials of Entomology, 7 trials of Soil Science and 8 trials of Plant Pathology and found satisfactory. Two Breeding trials, namely AVT1-J (H) due to no germination and IVT-DSR due to lack of suitable land could not be conducted in this center.



Fig. 5: Monitoring of AICRP (Rice) trials in Assam and Meghalaya during *Kharif* 2025

Monitoring Team-6: The monitoring team, consisting of Dr. Rameswar Prasad Sah, Dr. Rubina Khanam, and Dr. Rupak Jena, visited Chinsurah, West Bengal. They monitored 17 breeding trials, agronomy, soil science, 2 physiology, 12 pathology, a14 entomology trials at Chinsurah. However, some trials could not be monitored, including the early maturity trial conducted at Hatwara, the CSTVT trial at Gosaba, and the AGT trial, which was not received by the center.



Fig. 6. Monitoring of AICRP (Rice) trials at Chinsurah during *Kharif* 2025

Monitoring Team-7: A team comprising Dr. Arup Mukherjee and Dr. Sutapa Sarkar from the ICAR-CRRI, Cuttack visited RC NEH Tripura Centre for monitoring AICRP trials in North-East-2 Zone-IV, for visiting locations including Lembuchera, Lamaphelpat, Arundhatinagar, and Medziphema. The scientists reviewed experimental data and assessed crop performance to ensure protocol adherence. Sixteen trials were allocated to the centre. Dr. Rahul Kumar Scientist, Plant Breeding conducted the trials. The team monitored all the trials, laid out at Dakshin Bagma, Udaipur, Gomati Tripura on 06.11.2025. All the trials were in good condition and most of them were in grain filling stage. Only one trial, AVT -1&2 J failed due to no/poor germination. The AICRP trials conducted by Tripura State Agriculture University were visited and all the trials were conducted successfully.

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ICAR-RCNEH Manipur Centre, Lamphelpat

After reaching Imphal on 8th November, 2025 the monitoring of the trials conducted in ICAR-RCNEH Manipur Centre, Lamphelpat. The trials were conducted by Dr. Sarika Konsam, Scientist Plant breeding at the centre. The centre conducted three trials within the campus. In AVT and IVT- Coloured Rice trial: entry no.s 5603, 5606, 5613, 5624, 5631 and 5635 had white grain colour. In AVT 2 & 1 & IVT - M (H) trial entry no.s 2406, 2409, 2425 showed mixture and off types. IVT - U(H) failed due to failure of one replication.



Later the team visited the trials conducted by CAU, Imphal, Manipur at farmers' fields. Two trials were conducted by the centre. Dr. Pushparani (Plant Breeding) conducted the trials. In AVT 2 & 1 & IVT - M (H) the entry no.s 2418 and 2421 showed high incidence of blast disease. Overall trial was in good condition. In IVT - U(H), the promising entries were 2504, 2511, 2510, 2512. Overall trial was in good condition. The team did not visit the Meziphma centre as the crop was already harvested by the time of monitoring visit.

PROGRESS REPORT
KHARIF 2025 VARIETAL IMPROVEMENT
AICRPR
NATIONAL BASMATI
TRIALS

ICAR-IARI, New Delhi

INITIAL VARIETY TRIAL – BASMATI (IVT - BT)

Locations: 11

Test Entries: 23

Checks and Recurrent Parents: Pusa Basmati 1 (YC & RP), Pusa Basmati 1121 (YC & QC), Taraori Basmati (QC), Pusa Basmati 1509 (OC & RP) Pusa RH 10 (HC), Local Check (LC)

Initial Variety Trial - Basmati (IVT-BT) was conducted as combined trial comprising of entries nominated for IVT-BT, AVT1-BT NIL, AVT2-BT NIL and AVT2-BT. The trial was constituted with 23 entries including 11 varietal test entries; 5 near-isogenic lines; 7 checks namely Pusa Basmati 1 (Yield Check), Pusa Basmati 1121 (Yield and Quality Check), Taraori Basmati (Quality Check), Pusa RH10 (Hybrid Check), Pusa Basmati 1509 (Observational Check and Recurrent Parent) Pusa Basmati 6 (Recurrent Parent) and local check (**Table 42.1**). Pusa Basmati 1509 was included as observational check during Kharif 2024 and Kharif 2025. Out of the 11 varietal test entries, 10 entries namely, IET 33268, IET 33269, IET 33270, IET 33271, IET 33272, IET 33273, IET 33274, IET 33275, IET 33276 and IET 33277 were in first year of testing (IVT-BT) and one entry IET 31299 was in III year of testing (AVT2-BT). Of the 5 NIL entries tested, one NIL of Pusa Basmati 1509 namely, IET 32297 was in final year of testing (AVT2-BT NIL); four NIL entries namely, IET 33278, IET 33279, IET 33280 and IET 33281 were in AVT1-BT NIL stage. Among these, IET 33278 and IET 33279 were NILs of Pusa Basmati 1121 possessing resistance to bacterial blight, blast and bakanae diseases, while, IET 33280 and IET 33281 were NILs of Pusa Basmati 6 possessing resistance to bacterial blight, blast and bakanae diseases. The trial was conducted at 11 locations in the GI area earmarked for the cultivation of Basmati rice. Out of 11 test locations, the data from 8 locations namely, New Delhi, Kaul, Nagina, Modipuram, Ludhiana, Rauni, Gurdaspur and Chatha was considered for analysis. The data from Pantnagar, Kapurthala and Karnal was not considered for analysis due to low experimental mean yield.

The experimental mean of the locations ranged from 2984 kg/ha at Pantnagar to 6296 kg/ha at Modipuram (BEDF), while CV ranged from 5.6% at Modipuram (BEDF) to 17.4 % at Karnal. Days to 50% flowering ranged from 85 days (Pusa Basmati 1509 and IET 32297) to 110 days (Pusa Basmati 6). Plant height of the entries ranged from 94 cm (IET 32297) to 136 cm (Taraori Basmati) while panicles per sq.m. ranged from 245 (IET 33273) to 350 (Pusa Basmati 1121). Among the checks, hybrid check, Pusa RH 10 registered 5671 kg/ha with 1st rank based on overall mean. The data on yield, days to 50% flowering, plant height, number of panicles/m², quality and panel test are presented in tables 42.2 to 42.9. The details on the performance of entries are presented below:

Performance of entries in AVT2-BT

One entry namely, IET 31299 was in third year of testing. It yielded 5305 kg/ha which was significantly superior to the best check variety Pusa Basmati 1121 which yielded 4566 kg/ ha.

On overall mean basis, the entry, IET 31299 (PAU 7842-13-2-1) derived from the cross Pusa Basmati 1718/Pusa 1601-105-46-1-1 was significantly high yielding (5305 kg/ ha) over the best check Pusa Basmati 1121. It recorded KLAC of 16.95 mm, elongation ratio (2.15), intermediate amylose content (22.81%) and strong aroma. **The entry IET31299 has completed three years of testing.**

IET No/ Designation/ Cross Combination	Trial	GY	FD	Grain Type	Yield over best check (%)	Performance Rank (%) increase over best check *		
						State	Yield	% over BC
IET 31299 (PAU 7842-13-2-1 (RYT 4087)) PB1718/Pusa1601- 105-46-1-1	IVT-BT	5207	106	ELS	24.8	DE	6253	5.67
						HA	4715	26.29
						UP	5950	32.22
						JK	4250	37.76
	AVT1-BT	4924	100	ELS	10.8	UP	5534	13.00
						HA	4711	15.00
	AVT2-BT	5305	105	ELS	16.2	PU	4991	33.97

*Data presented is for the states where the test entry was significantly superior over best check (CD at 0.05)

Performance of entries in IVT-BT (First year of testing)

A total of 10 entries were in first year of testing i.e., IVT-BT. The entries IET 33268, IET 33269, IET 33270, IET 33273, IET 33274 and IET 33277 were not significantly superior to the best varietal check Pusa Basmati 1121. Therefore, these entries have been discontinued from further testing.

The entry IET 33275 (SJR-121-2-2) recorded an average yield of 5413 kg/ha which was significantly superior over the best varietal check Pusa Basmati 1121. However, this variety did not meet the Basmati quality standards for the traits KLAC (>12.0 mm) and kernel elongation ratio (>1.7). Further this entry not acceptable as Basmati quality and ranked the last (Rank 23) in the panel test. Therefore, the entry IET 33275 has been discontinued from further testing.

The entry IET 33276 (HKR414) from the cross CSR30/ HKR98-76 performed significantly superior to the best varietal check Pusa Basmati 1121 with an average yield of 5514 kg/ha. The average KLAC was 13.15 mm with the elongation ratio of 1.6. The elongation ratio of the genotype was less than the Basmati quality standards (>1.7). Further, it was not acceptable as Basmati quality in the panel test. Therefore, the entry IET 33276 has been discontinued from further testing.

IET No/ Designation/ Cross Combination	Trial	GY	FD	Grain Type	Yield over best check (%)	Performance Rank (%) increase over best check		
						State	Yield	% over BC
IET33271/ PAU 9127-26-5 (RYT4256) Pusa Basmati 1509/PR126//Pusa Basmati 1509*2	IVT- BT	5310	88	ELS	16.29	DE	5348	20.28
						PU	4509	21.03
IET 33272 (PAU 7925-7-4-1-10-1- 1 (RYT4146) Pusa Basmati 1884-9-12-14/Pusa Basmati 1121//Punjab Basmati 4	IVT- BT	5587	94	ELS	22.35	PU	4893	31.35

The entry, IET 33271 (PAU 9127-26-5 (RYT4256)) generated from the cross Pusa Basmati 1509/PR126//Pusa Basmati 1509*2 performed significantly superior to the best varietal check Pusa Basmati 1121 with an average yield of 5310 kg/ha. The KLAC was 16.55 mm with

elongation ratio of 1.85 along with mild to medium aroma. The panel test results reveal that it has acceptable quality. The entry, **IET 33271 has been promoted to second year of testing, in the AVT1 trial.**

The entry IET 33272 (PAU 7925-7-4-1-10-1-1 (RYT4146) from the cross Pusa Basmati 1884-9-12-14/Pusa Basmati 1121/Punjab Basmati 4 performed significantly superior to the best varietal check Pusa Basmati 1121 with an average yield of 5587 kg/ha. The average KLAC was 16.55 mm with the elongation ratio of 1.9. It recorded acceptable to good score in the panel test. Therefore, **the entry IET 33272 has been promoted to second year of testing, in the AVT1 trial.**

Entries promoted to AVT1-BT: IET 33271 and 33272

Performance of AVT2-NIL entries

Near Isogenic Lines for herbicide tolerance and resistance to bacterial blight and blast diseases

The entry IET 32297 carrying the bacterial blight resistance genes *xa13* and *Xa21*; blast resistance genes, *Pi2* and *Pi54*; and herbicide tolerance gene *AHAS^{rb}* in the background of Pusa Basmati 1509 was evaluated for yield and grain quality in the regular Basmati trial; for testing bacterial blight, and blast resistance, the entries were evaluated in NSN conducted in hot spot regions of the Basmati GI locations; and for testing herbicide tolerance, a separate trial was conducted for evaluation under dryDSR conditions.

The entry along with its recurrent parent Pusa Basmati 1509 and checks, Pusa Basmati 1, Pusa Basmati 1121 and Pusa Basmati 1985 were evaluated under dryDSR conditions with following treatments across four locations namely, New Delhi, Ludhiana, Nagina and Kaul.

Treatment 1 : Imazethapyr 10% SL @2.0g/L applied at 18-22 DAS

Treatment 2 : Manual Weeding

Treatment 3 : Untreated control (weedy check)

Data from four locations namely, Kaul, New Delhi, Ludhiana and Nagina were analysed and the data is presented in following table:

Treatment	Entry	IET No	Kaul	DEL	LDN	NGN	Mean
T1: Imazethapyr 10% SL (X dose)	1805	PB1121 (YC)	0.0	0.0	0.0	0.0	0.0
	1814	PB1509 (OC & RP)	0.0	0.0	0.0	0.0	0.0
	1819	32297	5133	5507	4693	4797	5033
	1820	PB1 (YC)	0.0	0.0	0.0	0.0	0.0
	Check	PB 1985(LC)	4833	5160	4160	4773	4732
T2: Manual weeding	1805	PB1121 (YC)	4400	2890	3980	4777	4012
	1814	PB1509 (OC & RP)	4800	4757	4693	4737	4747
	1819	32297	5000	4853	4553	4647	4763
	1820	PB1 (YC)	4467	2890	3707	4760	3956
	Check	PB 1985(LC)	5033	4533	4200	4773	4635
T3: Untreated Control (Weedy check)	1805	PB1121 (YC)	1617	1417	3140	1447	1905
	1814	PB1509 (OC & RP)	1673	1900	3693	1407	2168
	1819	32297	1297	2233	3487	1420	2109
	1820	PB1 (YC)	1490	967	2873	1607	1734
	Check	PB 1985(LC)	1597	1533	3453	1557	2035
CD (0.05)			382.7	157.7	75.1	192.2	201.9

IET 32297 (Pusa 3139-1-151-1-3-4) exhibited at par performance with its recurrent parent Pusa Basmati 1509. For bacterial blight disease, it exhibited significantly reduced reaction to bacterial blight disease with average disease score of 5.8, while its recurrent parent was highly susceptible with average disease score of 8.2. For blast disease, the entry IET32297 was found resistant with DSI of 2.0, while its recurrent parent was susceptible with the disease score of 7. Quality wise, it is similar to its recurrent parent Pusa Basmati 1509. Under dryDSR trial, the entry IET 32297 was found to be tolerant to Imazethapyr and yielded 5033 kg/ha, as compared to the recurrent parent PB1509 which showed complete mortality. Additionally, it was significantly superior over the HT Basmati rice varietal check PB1985 under dryDSR conditions. The entry was verified for resistance to Bacterial blight, blast and herbicide tolerance, and was found to be at par with the recurrent parent for yield performance across two years of testing in NILs trials. **Therefore, IET 32297 has been identified as promising.**

Overall performance of the bacterial blight, blast and herbicide tolerant NIL evaluated during Kharif 2024 and 2025

Genotypes	Recurrent parent		IET32297	
	Pusa Basmati 1509		Pusa 3139-1-151-1-3-4	
Trials	AVT1-NIL	AVT2-NIL	AVT1-NIL	AVT2-NIL
Genes	-		<i>xa13, Xa21, Pi2, Pi54 and AHAS^{rb}</i>	
Yield Performance (kg/ha)	4500	5126	4716	4604
CD (0.05)	436.8	544	436.8	544
Bacterial blight score	6.5	8.2	4.0	5.8
Blast score	7.0	6.5	3.0	1.5
Tolerance to imazethapyr	No	No	Yes	Yes
Yield under dryDSR (with Imazethapyr spray)	0	0	4900	5033

Performance of AVT1-NIL entries

Near Isogenic Lines for resistance to bacterial blight, blast and bakanae diseases

Two NILs of Pusa Basmati 1121 namely, IET33278 and IET33279 carrying genes governing resistance to bacterial blight (*xa13, Xa21, Xa38*), blast (*Pi9, Pita*) and QTLs for tolerance to bakanae (*qBK1.1, qBK1.2*) disease were evaluated for yield and quality in the regular trial. Further, the NILs were evaluated for bacterial blight, blast and bakanae disease resistance under NSN trial. The NIL entry IET33278 was significantly lower yielding as compared to its recurrent parent Pusa Basmati 1121. Therefore, IET33278 has been discontinued.

The average yield of the NIL entry IET33279 was 4154 kg/ha which was at par with the recurrent parent, Pusa Basmati 1121. It was found resistant to bacterial blight disease with SI of 3.8 as compared to its recurrent parent, Pusa Basmati 1121, which was susceptible with SI of 6.6. The entry was resistant to blast disease with SI of 4.0 as compared to its recurrent parent which showed susceptible reaction with the SI of 6.5. For bakanae disease, the entry, IET33279 showed 65.28% less disease incidence under artificial inoculation conditions and 20.8% less incidence under field conditions as compared to its recurrent parent, Pusa Basmati 1121. Based on yield, grain and cooking quality as well as disease resistance score for bacterial blight and blast, the entry, **IET 33279 has been promoted to AVT2-NIL.**

Two NILs of Pusa Basmati 6 namely, IET33280 and IET33281 carrying genes for bacterial blight (*xa13*, *Xa21*) and blast (*Pi2*, *Pi54*) resistance and QTLs (*qBK1.1*, *qBK1.2*) for tolerance to bakanae disease were evaluated for yield and quality in the regular trial. Further, the NILs were evaluated for bacterial blight, blast and bakanae disease resistance under NSN trial.

The NIL entry, IET33280 yielded 4100 kg/ha which was as par with its recurrent parent Pusa Basmati 6. Further, for the bacterial blight disease, the entry showed the SI score of 6.6 as compared to its recurrent parent , Pusa Basmati 6, which showed SI of 8.6. For the blast disease, the entry IET33280 showed resistant reaction with SI of 2 as compared to its recurrent parent which showed susceptible reaction with SI of 6.0. For bakanae disease, the entry IET33280 showed 30.6% less disease incidence under artificial inoculation conditions and 41.7% less incidence under field conditions as compared to its recurrent parent Pusa Basmati 6. Based on yield, quality and disease resistance pattern, **the entry has been promoted to final year of testing (AVT2-NIL).**

The NIL entry, IET33281 yielded 3877 kg/ha which was as par with its recurrent parent Pusa Basmati 6. Further, for the bacterial blight disease, the entry showed the SI score of 6.2 as compared to its recurrent parent which showed SI of 8.6. For the blast disease, the entry IET33280 showed resistant reaction with SI of 2 as compared to its recurrent parent which showed susceptible reaction with SI of 6.0. For bakanae disease, the entry IET33280 showed 47.2% less disease incidence under artificial inoculation conditions and 13.9% less incidence under field conditions as compared to its recurrent parent, Pusa Basmati 6. Based on yield, quality and disease resistance pattern, **the entry has been promoted to final year of testing (AVT2-NIL).**

Entries promoted to AVT2-BT NILs: IET33279, IET33280, IET33281

Table 42.1: Composition of entries in Initial Varietal Trial - Basmati (IVT - BT), Kharif 2025

Entry No.	IET No.	Designation	Cross Combination	Grain Type
Initial Variety Trial – Basmati (IVT-BT) – 10 Entries				
1806	33268	Pusa 3119-19-8-2-4-3	Mutant of Pusa Basmati 1121	LS
1801	33269	Pusa 3102-18-3-6-1-2	Pusa 3051-16 / Pusa Basmati 1509	ELS
1811	33270	Pusa 3118-19-8-6-2-1	Pusa 3051-16 / Pusa 3052-16 // Pusa Basmati 6	ELS
1815	33271	PAU 9127-26-5 (RYT 4256)	Pusa Basmati 1509 / PR 126 // Pusa Basmati 1509	ELS
1802	33272	PAU 7925-7-4-1-10-1-1 (RYT 4146)	Pusa Basmati 1884-9-12-14 / Pusa Basmati 1121 // Punjab Basmati 4	ELS
1816	33273	UPR4804-1-1-1-1	Pant Basmati 2 / UPR3908-11-2-1-10	LS
1807	33274	UPR4807-2-1-1-1	Pant Sugandh Dhan 27 / Pant Basmati 2	LS
1803	33275	SJR-121-2-2	Pusa 2517-2-51-1 / Pusa Basmati 1 // Pusa Basmati 1	LS
1812	33276	HKR414	CSR 30 / HKR 98-76	-
1821	33277	SJBR-145-34	Ranbir Basmati / Punjab Basmati 4	LS
Advance Variety Trial 1 – Basmati Near Isogenic Lines (AVT1-BT NILs) – 4 Entries				
1808	33278	Pusa 3174-12-6-4-15	Pusa 3129 / Pusa 3140	ELS
1804	33279	Pusa 3174-12-8-9-22	Pusa 3129 / Pusa 3140	ELS
1817	33280	Pusa 3175-6-8-112-14	Pusa 3074 / Pusa 3141	ELS
1813	33281	Pusa 3175-6-12-40-15	Pusa 3074 / Pusa 3141	ELS
Advance Variety Trial 2 – Basmati (AVT2-BT) – 2 Entries				
1819	32297	Pusa 3139-1-151-1-3-4	Pusa Basmati 1847 / Pusa Basmati 1985	ELS
1822	31299	PAU 7842-13-2-1	Pusa Basmati 1718 / Pusa 1601-105-46-1-1	ELS
1809	Pusa Basmati 6 (Recurrent Parent)			
1805	Pusa Basmati 1121 (Y & QC)			
1820	Pusa Basmati 1 (Yield check)			
1823	Pusa RH 10 (Hybrid check)			
1818	Taraori Basmati (QC)			
1810	Local check			
1814	Pusa Basmati 1509 (Obs. Check)			

Table 42.2: Grain Yield of entries in IVT-BT, Kharif 2025

Entry No	IET No	DEL (1)		UK	PUN					
		IARI		@PANT	LDH		RUN		GDP	
1801	33269	4970	13	2775	3713	17	3976	12	4611	9
1802	33272	5154	7	4327	4782	3	4686	8	5211	3
1803	33275	5963	3	3289	4299	10	4835	5	5333	2
1804	33279	5057	10	2490	2877	23	2446	23	3350	18
1805	PB1121 (YC)	4446	17	1925	3769	15	3693	15	3714	14
1806	33268	4452	16	2497	4613	4	4669	9	4500	11
1807	33274	5699	4	4990	4389	9	4720	7	4181	12
1808	33278	4680	15	1495	2951	22	2494	22	3472	15
1809	PB6 (RP)	2731	22	2614	3931	11	3652	17	3222	21
1810	LC	5303	6	4337	4475	7	4736	6	4806	7
1811	33270	5128	9	2892	3866	13	4264	11	4881	5
1812	33276	6323	2	4654	4502	6	5205	1	5347	1
1813	33281	3105	20	2709	3725	16	3794	13	3172	22
1814	PB1509 (OC & RP)	5038	11	3235	4799	2	4928	4	4722	8
1815	33271	5348	5	4206	4449	8	4526	10	4550	10
1816	33273	4762	14	2801	3831	14	3651	18	3469	16
1817	33280	3227	19	2140	3926	12	3665	16	3439	17
1818	TB (QC)	2391	23	1438	3481	20	3232	21	2944	23
1819	32297	5442	12	3023	3683	19	3639	19	3267	20
1820	PB1 (YC)	3085	21	3091	3713	18	3710	14	4053	13
1821	33277	3912	18	1968	3296	21	3313	20	3333	19
1822	31299	5147	8	2405	4970	1	4983	3	5019	4
1823	PRH10 (HC)	6630	1	3331	4505	5	5147	2	4861	6
Exp. Mean		4675		2984	4024		4085		4150	
F value		14.52*		12.68*	17.64*		14.01*		26.93*	
CD (0.05)		852		778	391		605		438	
CV (%)		11.1		15.9	5.9		9.0		6.4	
Sowing date		14.06.2025		19.06.2025	18.06.2025		20.06.2025		20.06.2025	
Planting date		08.07.2025		11.07.2025	19.07.2025		20.07.2025		18.07.2025	
Local Check		PB 1692		Pant Basmati 1	Punjab Basmati 7		Punjab Basmati 7		Punjab Basmati 7	

@ not included in means

Table 42.2 (contd...): Grain Yield of entries in IVT-BT, Kharif 2025

Entry No	IET No	PUN	PUN (3)		HR			HR (1)	
		@KPT			@KAR	KUL			
1801	33269	3589	4100	12	4783	5077	10	5077	10
1802	33272	4382	4893	3	3910	5787	2	5787	2
1803	33275	3554	4822	5	4450	5877	1	5877	1
1804	33279	3753	2891	23	2170	3977	19	3977	19
1805	PB1121 (YC)	3992	3725	14	3127	5240	6	5240	6
1806	33268	4046	4594	8	3267	5027	13	5027	13
1807	33274	4079	4430	10	3630	5400	5	5400	5
1808	33278	3468	2972	22	2150	3767	21	3767	21
1809	PB6 (RP)	3211	3602	17	3377	3500	22	3500	22
1810	LC	4267	4672	7	3643	4833	14	4833	14
1811	33270	4408	4337	11	4307	5067	11	5067	11
1812	33276	3690	5018	1	3910	5533	4	5533	4
1813	33281	3858	3564	18	4413	4597	15	4597	15
1814	PB1509 (OC & RP)	4128	4816	6	3157	5113	8	5113	8
1815	33271	3014	4509	9	3663	5093	9	5093	9
1816	33273	3064	3650	16	3760	4517	16	4517	16
1817	33280	3624	3677	15	4923	4330	18	4330	18
1818	TB (QC)	3339	3219	21	2767	3187	23	3187	23
1819	32297	2967	3530	19	3503	4400	17	4400	17
1820	PB1 (YC)	3371	3825	13	4407	5047	12	5047	12
1821	33277	3046	3314	20	2980	3953	20	3953	20
1822	31299	4325	4991	2	3663	5753	3	5753	3
1823	PRH10 (HC)	3583	4838	4	4487	5200	7	5200	7
Exp. Mean		3685	4086		3672	4794		4794	
F value		11.33*	14.70*		4.13*	14.47*		14.47*	
CD (0.05)		390	509		1053	553		553	
CV (%)		6.4	7.2		17.4	7.0		7.0	
Sowing date		19.06.2025			19.06.2025	18.06.2025			
Planting date		20.07.2025			28.07.2025	21.07.2025			
Local Check		Punjab Basmati 7			CSR 30	Harvana Basmati 2			

@ not included in means

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Table 42.2 (contd...): Grain Yield of entries in IVT- BT, Kharif 2025

Entry No	IET No	UP			UP (2)	JK (1)		Overall Mean			DFF	PH	
		MDP (BDF)		NGN			CHT						
1801	33269	6770	9	4366	14	5568	12	5070	7	4819	11	98	109
1802	33272	7500	4	5572	5	6536	2	6000	1	5587	2	94	108
1803	33275	7600	2	3626	20	5613	10	5770	2	5413	4	92	113
1804	33279	6000	14	5022	7	5511	13	4500	14	4154	17	99	107
1805	PB1121 (YC)	5920	15	4548	12	5234	14	5200	5	4566	13	104	115
1806	33268	5130	21	4792	11	4961	17	4200	18	4673	12	88	99
1807	33274	7540	3	4158	15	5849	7	4730	10	5102	9	91	98
1808	33278	5750	16	3524	21	4637	21	3530	23	3771	22	97	108
1809	PB6 (RP)	5440	20	4889	9	5165	15	4130	19	3937	19	110	101
1810	LC	6560	10	4982	8	5771	8	5300	4	5124	8	99	108
1811	33270	7070	7	4078	17	5574	11	4630	13	4873	10	97	105
1812	33276	7250	5	5098	6	6174	4	4850	9	5514	3	91	106
1813	33281	5580	19	3165	23	4372	22	3880	20	3877	20	109	98
1814	PB1509 (OC & RP)	6350	12	5829	4	6089	5	4230	17	5126	7	85	96
1815	33271	7080	6	5864	3	6472	3	5570	3	5310	5	88	103
1816	33273	6460	11	3511	22	4985	16	3730	22	4241	15	104	115
1817	33280	5700	17	3834	18	4767	18	4680	12	4100	18	109	102
1818	TB (QC)	4380	23	4122	16	4251	23	4700	11	3555	23	109	136
1819	32297	6090	13	5882	2	5986	6	4430	16	4604	14	85	94
1820	PB1 (YC)	5690	18	3684	19	4687	19	4470	15	4181	16	106	108
1821	33277	4440	22	4889	10	4665	20	3800	21	3867	21	88	124
1822	31299	6890	8	4481	13	5686	9	5200	6	5305	6	105	116
1823	PRH10 (HC)	7610	1	6383	1	6997	1	5030	8	5671	1	88	105
Exp. Mean		6296		4622		5459		4680		4666		97	108
F value		22.31*		10.96*		2		4.75*		8.5*			
CD (0.05)		579		761		1654		856		544			
CV (%)		5.6		10.0		7.5		11.0		8.5			
Sowing date		20.06.2025		27.06.2025				20.06.2025					
Planting date		15.07.2025		24.07.2025				17.07.2025					
Local Check		PB 1509		PB 1692				Jammu Basmati 129					

@ not included in means, DFF-Days to 50% flowering, PH- Plant height

Table No. 42.3: Days to 50% flowering (DFF) of entries in IVT-BT during Kharif 2025

Entry No	Entry No	IARI	PANT	LDH	RUN	GDP	KPT	KAR	KUL	MDP (BDF)	NGN	CHT	Overall Mean
1801	33269	97	97	102	98	97	99	95	99	95.00	101	94.33	98
1802	33272	88	91	99	95	92	91	98	102	91.30	92	92.00	94
1803	33275	88	87	93	93	91	97	96	96	87.70	93	90.00	92
1804	33279	99	97	101	99	97	105	100	101	93.70	99	94.00	99
1805	PB1121 (YC)	108	106	108	104	104	99	105	107	100.00	107	103.33	104
1806	33268	87	84	92	92	90	105	80	92	86.00	72	86.33	88
1807	33274	87	85	95	94	93	102	76	95	85.00	96	90.33	91
1808	33278	99	98	102	100	97	94	96	97	94.30	95	95.33	97
1809	PB6 (RP)	112	112	113	109	106	114	108	111	104.00	112	109.00	110
1810	LC	85	96	107	101	107	101	110	105	82.30	105	90.00	99
1811	33270	95	96	102	98	97	97	94	96	94.70	98	94.33	97
1812	33276	88	84	94	93	90	96	100	92	88.30	91	88.67	91
1813	33281	112	112	111	110	108	102	104	110	107.30	112	109.00	109
1814	PB1509 (OC & RP)	81	80	91	88	86	94	78	90	81.70	78	86.67	85
1815	33271	85	83	93	91	89	94	79	90	84.00	88	89.00	88
1816	33273	98	99	106	103	103	111	109	106	100.00	107	101.67	104
1817	33280	111	111	111	111	108	108	103	110	106.70	109	106.00	109
1818	TB (QC)	123	107	110	103	110	107	106	110	97.00	113	111.67	109
1819	32297	81	79	90	87	87	96	84	90	81.00	74	84.00	85
1820	PB1 (YC)	103	104	104	106	104	109	112	106	102.30	108	106.00	106
1821	33277	85	82	94	90	85	94	98	94	83.30	83	82.33	88
1822	31299	108	105	107	105	102	101	107	106	101.30	108	104.00	105
1823	PRH10 (HC)	84	83	92	91	89	91	81	89	84.00	91	89.00	88
Exp. Mean		96	95	101	98	97	100	96	100	93	97	96	97

Table 42.4: Plant height (cm) of entries in IVT-BT during Kharif 2025

Entry No	Entry No	IARI	PANT	LDH	RUN	GDP	KPT	KAR	KUL	MDP (BDF)	NGN	CHT	Overall Mean
1801	33269	113	117	109	109	113	93	99	102	119	111	117	109
1802	33272	114	117	107	105	117	88	93	115	111	105	111	108
1803	33275	122	124	113	113	117	89	98	123	127	108	111	113
1804	33279	115	125	104	92	118	89	88	116	124	99	109	107
1805	PB1121 (YC)	123	124	114	113	113	93	99	123	132	113	114	115
1806	33268	102	143	92	92	100	103	83	94	103	95	84	99
1807	33274	109	102	93	97	105	101	82	100	109	100	86	98
1808	33278	119	134	112	97	122	96	93	102	123	85	103	108
1809	PB6 (RP)	106	109	91	92	98	115	88	99	113	109	95	101
1810	LC	110	112	106	108	113	109	95	121	107	97	109	108
1811	33270	113	102	111	104	109	93	94	108	116	102	104	105
1812	33276	113	111	104	102	110	114	97	105	115	108	90	106
1813	33281	110	111	95	94	101	86	88	97	112	95	91	98
1814	PB1509 (OC & RP)	108	97	95	93	100	92	84	93	106	99	89	96
1815	33271	112	102	103	100	107	91	89	106	112	106	101	103
1816	33273	127	128	117	109	120	111	93	115	132	107	108	115
1817	33280	115	117	101	94	103	88	91	106	114	101	99	102
1818	TB (QC)	169	93	141	142	139	135	118	141	151	122	150	136
1819	32297	104	96	89	89	102	91	86	86	105	91	95	94
1820	PB1 (YC)	115	125	110	98	101	103	90	113	130	99	104	108
1821	33277	137	124	120	126	139	121	104	124	134	115	121	124
1822	31299	126	130	120	109	117	109	100	115	134	103	117	116
1823	PRH10 (HC)	113	102	104	107	108	107	93	96	120	104	103	105
Exp. Mean		117	115	107	104	112	101	93	109	120	103	105	108

Table No. 42.5: Panicles/m² of entries in IVT-BT during *Kharif* 2025

Entry No	Entry No	IARI	PANT	LDH	RUN	GDP	KPT	KAR	KUL	MDP (BDF)	NGN	CHT	Overall Mean
1801	33269	370	326	247	239	302	222	311	344	284	208	296	286
1802	33272	370	290	220	197	297	238	337	283	291	240	254	274
1803	33275	266	239	204	223	253	216	348	306	243	183	363	259
1804	33279	480	322	264	236	283	218	341	440	339	242	254	311
1805	PB1121 (YC)	466	491	304	304	338	196	381	387	367	254	364	350
1806	33268	449	483	284	281	330	248	344	297	363	281	245	328
1807	33274	334	306	269	276	268	167	282	281	269	256	249	269
1808	33278	528	309	255	303	315	231	363	374	345	250	214	317
1809	PB6 (RP)	535	439	282	247	335	189	363	326	381	254	379	339
1810	LC	396	264	350	277	333	227	348	335	328	265	254	307
1811	33270	330	302	303	235	298	235	337	312	278	318	238	290
1812	33276	319	228	240	201	278	240	319	332	250	206	257	261
1813	33281	570	284	339	254	370	229	315	350	357	219	387	334
1814	PB1509 (OC & RP)	398	306	288	269	320	218	293	364	320	258	211	295
1815	33271	381	416	308	215	283	224	307	279	294	237	307	296
1816	33273	288	215	202	207	287	233	322	242	248	189	266	245
1817	33280	389	333	284	225	297	200	374	412	315	232	323	308
1818	TB (QC)	440	307	227	245	350	185	474	337	356	269	355	322
1819	32297	475	573	308	253	297	198	363	299	332	270	301	334
1820	PB1 (YC)	418	305	257	246	298	218	381	354	344	233	254	301
1821	33277	376	424	288	218	312	218	389	336	318	282	364	320
1822	31299	420	271	301	304	290	238	407	353	335	247	265	312
1823	PRH10 (HC)	312	259	238	204	277	233	374	264	275	246	272	269
Exp. Mean		405	334	272	246	305	218	351	331	314	245	290	301

Table 42.6: Summary of the grain quality characteristics of entries in IVT-BT conducted at ICAR-IARI, New Delhi and analyzed at ICAR-IARI, New Delhi

Entry No	IET No	Hull %	Mill %	HRR	KL (mm)	KB (mm)	L/B	Grain Chalk
1801	33269	78.75	68.45	46.99	8.55	1.77	4.84	OC
1802	33272	79.66	70.48	55.59	8.73	1.66	5.26	OC
1803	33275	80.00	70.13	61.07	7.28	1.75	4.16	OC
1804	33279	78.86	68.95	58.59	8.28	1.65	5.03	P
1805	PB1121 (YC)	77.39	67.20	46.97	8.58	1.70	5.05	OC
1806	33268	78.30	67.38	45.42	8.52	1.61	5.29	VOC
1807	33274	78.86	68.29	42.50	7.93	1.50	5.29	VOC
1808	33278	77.84	66.58	52.50	8.10	1.72	4.72	P
1809	PB6 (RP)	76.48	66.61	49.07	8.00	1.41	5.67	A
1810	LC	78.30	67.64	47.20	8.62	1.72	5.02	P
1811	33270	78.98	68.53	50.02	8.33	1.65	5.06	OC
1812	33276	78.52	69.29	58.20	8.05	1.72	4.69	VOC
1813	33281	75.34	64.18	52.11	8.40	1.60	5.25	A
1814	PB1509 (OC & RP)	77.61	66.37	49.50	8.65	1.68	5.15	P
1815	33271	78.18	67.67	50.10	9.37	1.73	5.41	OC
1816	33273	80.11	69.70	58.40	6.42	1.62	3.97	OC
1817	33280	75.68	65.12	53.36	8.23	1.55	5.33	A
1818	TB (QC)	78.75	68.98	58.67	7.25	1.55	4.67	A
1819	32297	78.07	66.26	49.50	8.78	1.66	5.29	OC
1820	PB1 (YC)	76.82	64.88	47.90	7.52	1.47	5.13	OC
1821	33277	81.02	70.81	55.40	7.77	1.60	4.85	A
1822	31299	77.84	66.96	58.64	8.05	1.68	4.79	P
1823	PRH10 (HC)	80.45	70.29	57.53	7.77	1.66	4.68	VOC

Hull: Hulling(%) Mill: Milling(%) HRR: Head Rice Recovery KL: Karnal length (mm) KB: Karnal Breadth(mm) L/B : Length and Breadth(mm) Grain chalk: Grain Chalkiness VOC Very Occasionally Chalky OC: Occasionally Chalky P: Present A: Absent KLAC: Karnal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value ELS: Extra Long Slender LS: Long Slender MS: Medium Slender SS: Strongly Scented MS: Mild Scented NS: Non Scented

Table 42.6 (contd...): Summary of the grain quality characteristics of entries in IVT-BT conducted at ICAR-IARI, New Delhi and analyzed at ICAR-IARI, New Delhi

Entry No	IET No	VER	WU	KLAC	ER	ASV	AC %	GC	Aroma
1801	33269	3.75	340.00	17.30	2.0	7	23.17	77.50	MS
1802	33272	3.94	340.00	16.70	1.9	5	23.50	45.00	MS
1803	33275	3.88	190.00	11.55	1.6	5	25.00	44.00	MS
1804	33279	3.72	315.00	16.83	2.0	7	22.50	62.00	MS
1805	PB1121 (YC)	3.66	330.00	17.50	2.0	7	21.50	39.00	SS
1806	33268	3.62	305.00	16.00	1.9	5	23.50	46.00	MS
1807	33274	3.72	337.50	12.80	1.6	7	22.23	75.00	MS
1808	33278	3.72	327.50	15.35	1.9	7	22.10	32.50	MS
1809	PB6 (RP)	3.94	337.50	15.90	2.0	7	23.50	53.00	MS
1810	LC	3.72	342.50	15.90	1.8	7	23.50	27.00	MS
1811	33270	3.77	347.50	16.77	2.0	7	23.70	70.50	MS
1812	33276	3.72	307.50	12.46	1.5	7	22.43	55.00	MS
1813	33281	3.89	347.50	15.53	1.8	7	23.70	35.00	MS
1814	PB1509 (OC & RP)	3.94	282.50	16.30	1.9	7	23.80	65.00	MS
1815	33271	3.72	287.50	15.80	1.7	7	22.90	56.00	MS
1816	33273	3.72	172.50	9.20	1.4	6	21.60	65.00	MS
1817	33280	3.75	357.50	15.87	1.9	7	23.90	26.50	MS
1818	TB (QC)	3.62	257.50	13.30	1.8	5	23.70	35.00	SS
1819	32297	3.71	352.50	16.40	1.9	6	23.00	26.50	MS
1820	PB1 (YC)	3.83	352.50	13.25	1.8	7	24.50	47.00	MS
1821	33277	3.94	67.50	11.90	1.5	7	24.20	24.00	MS
1822	31299	3.77	342.50	16.60	2.1	7	23.04	64.50	SS
1823	PRH10 (HC)	3.94	372.50	12.03	1.5	7	22.50	43.50	MS

Hull: Hulling(%) Mill: Milling(%) HRR: Head Rice Recovery KL: Karnal length (mm) KB: Karnal Breadth(mm) L/B : Length and Breadth(mm) Grain chalk: Grain Chalkiness VOC Very Occasionally Chalky OC: Occasionally Chalky P: Present A: Absent KLAC: Karnal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value ELS: Extra Long Slender LS: Long Slender MS: Medium Slender SS: Strongly Scented MS: Mild Scented NS: Non Scented

Table 42.7: Summary of the grain quality characteristics of entries in IVT-BT conducted at ICAR-IARI, New Delhi and analyzed at BEDF, Modipuram during Kharif 2025

Entry No	IET No	Hull %	Mill %	HRR	KL (mm)	KB (mm)	L/B	Grain Chalk
1801	33269	74.2	66.6	46.2	8.3	1.9	4.3	OC
1802	33272	73.3	66.6	52.3	8.9	2.0	4.5	VOC
1803	33275	75.4	68.5	60.6	6.8	2.2	3.1	OC
1804	33279	72.2	65.7	55.4	8.3	2.0	4.1	OC
1805	PB1121 (YC)	67.9	53.4	45.5	8.5	1.9	4.5	OC
1806	33268	72.4	61.8	44.4	8.9	1.9	4.7	VOC
1807	33274	67.0	54.1	41.2	8.0	1.9	4.3	VOC
1808	33278	71.0	62.0	51.6	8.3	2.0	4.1	P
1809	PB6 (RP)	69.8	58.0	47.4	7.6	1.6	4.7	A
1810	LC	72.2	66.2	45.2	8.6	2.0	4.4	OC
1811	33270	75.2	65.5	48.1	8.3	1.9	4.4	OC
1812	33276	75.1	68.1	57.9	8.0	1.9	4.2	VOC
1813	33281	71.3	61.5	49.4	8.2	1.7	4.8	A
1814	PB1509 (OC & RP)	69.0	57.0	45.8	8.6	1.9	4.5	OC
1815	33271	70.4	59.5	45.2	8.8	1.9	4.6	VOC
1816	33273	76.6	67.1	56.4	6.5	1.8	3.7	VOC
1817	33280	70.3	60.3	49.8	8.1	1.7	4.7	VOC
1818	TB (QC)	75.1	69.1	58.6	7.7	1.8	4.2	VOC
1819	32297	75.5	66.9	46.7	8.8	2.0	4.4	OC
1820	PB1 (YC)	71.3	62.4	46.2	7.0	1.7	4.1	VOC
1821	33277	75.3	68.4	52.2	7.8	1.8	4.2	VOC
1822	31299	71.6	64.0	51.1	7.9	2.0	4.0	OC
1823	PRH10 (HC)	76.7	70.1	59.9	7.4	1.9	3.9	OC

Hull: Hulling(%) Mill: Milling(%) HRR: Head Rice Recovery KL: Karnal length (mm) KB: Karnal Breadth(mm) L/B : Length and Breadth(mm) Grain chalk: Grain Chalkiness VOC Very Occasionally Chalky OC: Occasionally Chalky P: Present A: Absent KLAC: Karnal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value ELS: Extra Long Slender LS: Long Slender MS: Medium Slender SS: Strongly Scented MS: Mild Scented NS: Non Scented

Table 42.7 (contd...): Summary of the grain quality characteristics of entries in IVT-BT conducted at ICAR-IARI, New Delhi and analyzed at BEDF, Modipuram during Kharif 2025

Entry No	IET No	VER	WU (ml)	KLAC	ER	ASV	AC %	GC	Aroma
1801	33269	4.9	340	17.4	2.1	7.0	24.7	53.8	MS
1802	33272	4.4	340	16.4	1.8	6.7	24.5	42.5	MS
1803	33275	5.1	205	10.3	1.5	3.1	26.6	46.3	MS
1804	33279	5.0	315	17.4	2.1	6.8	23.3	45.0	SS
1805	PB1121 (YC)	4.4	343	18.8	2.2	6.9	25.0	36.3	MS
1806	33268	5.3	255	17.8	2.0	4.5	24.1	63.8	MS
1807	33274	4.5	315	12.8	1.6	7.0	24.9	63.8	SS
1808	33278	4.7	343	16.8	2.0	6.7	22.7	45.0	SS
1809	PB6 (RP)	5.0	363	15.7	2.1	7.0	21.1	71.3	MS
1810	LC	5.1	293	16.2	1.9	6.8	24.1	63.8	MS
1811	33270	4.6	363	16.4	2.0	6.7	24.6	63.8	SS
1812	33276	4.9	313	13.8	1.7	7.0	23.6	33.8	MS
1813	33281	4.4	375	15.8	1.9	7.0	24.2	35.0	MS
1814	PB1509 (OC & RP)	4.8	300	17.3	2.0	6.7	22.7	48.8	MS
1815	33271	5.1	283	17.3	2.0	6.8	24.8	41.3	MS
1816	33273	4.4	168	9.4	1.4	3.3	24.2	43.8	MS
1817	33280	5.3	363	15.3	1.9	7.0	22.8	46.3	SS
1818	TB (QC)	4.4	265	13.3	1.7	5.8	23.1	60.0	MS
1819	32297	4.7	320	17.5	2.0	6.2	22.7	46.3	MS
1820	PB1 (YC)	5.1	395	13.9	2.0	7.0	24.4	45.8	MS
1821	33277	4.6	100	13.5	1.7	2.3	24.9	52.5	SS
1822	31299	5.3	353	17.3	2.2	7.0	24.0	31.3	SS
1823	PRH10 (HC)	4.4	400	12.9	1.7	6.3	21.7	43.8	MS

Hull: Hulling(%) Mill: Milling(%) HRR: Head Rice Recovery KL: Karnal length (mm) KB: Karnal Breadth(mm) L/B : Length and Breadth(mm) Grain chalk: Grain Chalkiness VOC Very Occasionally Chalky OC: Occasionally Chalky P: Present A: Absent KLAC: Karnal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value ELS: Extra Long Slender LS: Long Slender MS: Medium Slender SS: Strongly Scented MS: Mild Scented NS: Non Scented

Table 42.8: Mean performance of the grain quality characteristics of entries in IVT-BT during *Kharif* 2025 based on analysis carried out at IARI, New Delhi and BEDF, Modipuram

Entry No	IET No	Hull %	Mill %	HRR	KL (mm)	KB (mm)	L/B	Grain Chalk
1801	33269	76.5	67.5	46.6	8.4	1.9	4.6	OC
1802	33272	76.5	68.6	53.9	8.8	1.8	4.9	OC
1803	33275	77.7	69.3	60.8	7.0	2.0	3.6	OC
1804	33279	75.6	67.3	57.0	8.3	1.8	4.6	P
1805	PB1121 (YC)	72.7	60.3	46.3	8.6	1.8	4.8	OC
1806	33268	75.3	64.6	44.9	8.7	1.7	5.0	VOC
1807	33274	72.9	61.2	41.9	7.9	1.7	4.8	VOC
1808	33278	74.4	64.3	52.1	8.2	1.9	4.4	P
1809	PB6 (RP)	73.2	62.3	48.2	7.8	1.5	5.2	A
1810	LC	75.2	66.9	46.2	8.6	1.8	4.7	P
1811	33270	77.1	67.0	49.1	8.3	1.8	4.7	OC
1812	33276	76.8	68.7	58.1	8.0	1.8	4.5	VOC
1813	33281	73.3	62.8	50.8	8.3	1.7	5.0	A
1814	PB1509 (OC & RP)	73.3	61.7	47.6	8.6	1.8	4.8	P
1815	33271	74.3	63.6	47.7	9.1	1.8	5.0	OC
1816	33273	78.4	68.4	57.4	6.4	1.7	3.8	OC
1817	33280	73.0	62.7	51.6	8.1	1.6	5.0	A
1818	TB (QC)	76.9	69.0	58.6	7.5	1.7	4.5	A
1819	32297	76.8	66.6	48.1	8.8	1.8	4.9	OC
1820	PB1 (YC)	74.1	63.6	47.0	7.2	1.6	4.6	OC
1821	33277	78.2	69.6	53.8	7.8	1.7	4.5	A
1822	31299	74.7	65.5	54.9	8.0	1.8	4.4	P
1823	PRH10 (HC)	78.6	70.2	58.7	7.6	1.8	4.3	VOC

Hull: Hulling(%) Mill: Milling(%) HRR: Head Rice Recovery KL: Karnal length (mm) KB: Karnal Breadth(mm) L/B : Length and Breadth(mm) Grain chalk: Grain Chalkiness VOC Very Occasionally Chalky OC: Occasionally Chalky P: Present A: Absent KLAC: Karnal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value ELS: Extra Long Slender LS: Long Slender MS: Medium Slender SS: Strongly Scented MS: Mild Scented NS: Non Scented

Table 42.8 (contd...): Mean performance of the grain quality characteristics of entries in IVT-BT during *Kharif* 2025 based on analysis carried out at IARI, New Delhi and BEDF, Modipuram

Entry No	IET No	VER	WU	KLAC	ER	ASV	AC %	GC	Aroma
1801	33269	4.3	340	17.3	2.0	7.0	23.9	65.6	MS
1802	33272	4.2	340	16.5	1.9	5.8	24.0	43.8	MS
1803	33275	4.5	198	10.9	1.6	4.0	25.8	45.1	MS
1804	33279	4.4	315	17.1	2.0	6.9	22.9	53.5	MS
1805	PB1121 (YC)	4.0	336	18.1	2.1	7.0	23.3	37.6	SS
1806	33268	4.5	280	16.9	1.9	4.8	23.8	54.9	MS
1807	33274	4.1	326	12.8	1.6	7.0	23.6	69.4	MS
1808	33278	4.2	335	16.1	2.0	6.8	22.4	38.8	MS
1809	PB6 (RP)	4.5	350	15.8	2.0	7.0	22.3	62.1	MS
1810	LC	4.4	318	16.0	1.8	6.9	23.8	45.4	MS
1811	33270	4.2	355	16.6	2.0	6.8	24.2	67.1	MS
1812	33276	4.3	310	13.1	1.6	7.0	23.0	44.4	MS
1813	33281	4.1	361	15.7	1.9	7.0	23.9	35.0	MS
1814	PB1509 (OC & RP)	4.3	291	16.8	2.0	6.8	23.2	56.9	MS
1815	33271	4.4	285	16.6	1.8	6.9	23.8	48.6	MS
1816	33273	4.0	170	9.3	1.4	4.7	22.9	54.4	MS
1817	33280	4.5	360	15.6	1.9	7.0	23.4	36.4	MS
1818	TB (QC)	4.0	261	13.3	1.8	5.4	23.4	47.5	SS
1819	32297	4.2	336	16.9	1.9	6.1	22.8	36.4	MS
1820	PB1 (YC)	4.5	374	13.6	1.9	7.0	24.5	46.4	MS
1821	33277	4.3	84	12.7	1.6	4.6	24.5	38.3	MS
1822	31299	4.5	348	17.0	2.1	7.0	23.5	47.9	SS
1823	PRH10 (HC)	4.2	386	12.4	1.6	6.7	22.1	43.6	MS

Hull: Hulling(%) Mill: Milling(%) HRR: Head Rice Recovery KL: Karnal length (mm) KB: Karnal Breadth(mm) L/B : Length and Breadth(mm) Grain chalk: Grain Chalkiness VOC Very Occasionally Chalky OC: Occasionally Chalky P: Present A: Absent KLAC: Karnal length after cooking WU: Water uptake ER: Elongation ratio AC: Amylose content (%) ASV: Alkali Spreading Value ELS: Extra Long Slender LS: Long Slender MS: Medium Slender SS: Strongly Scented MS: Mild Scented NS: Non Scented

Table 42.9: Panel Test Scores of entries in IVT-BT evaluated at ICAR-IARI, New Delhi Kharif 2025 and evaluation at ICAR-IARI, New Delhi

Entry No	IET No	Appearance	Cohesiveness	Tenderness on touching	Tenderness on Chewing	Taste	Aroma	Elongation	Overall Acceptability	Mean	Rank
1801	33269	3.7	4.7	4.3	4.3	3.7	3.3	3.7	3.7	3.9	13
1802	33272	4.3	4.0	4.3	4.3	4.0	3.3	3.7	3.3	3.9	14
1803	33275	4.3	3.0	3.0	3.3	2.3	2.7	1.3	1.0	2.6	23
1804	33279	4.7	4.7	5.0	4.7	4.3	3.7	4.7	4.3	4.5	5
1805	PB1121 (YC)	4.3	5.0	5.0	5.0	4.7	3.7	5.0	5.0	4.7	1
1806	33268	4.3	2.3	4.7	4.7	3.3	3.7	4.3	2.3	3.7	17
1807	33274	3.3	3.3	3.3	3.3	3.3	3.3	2.3	1.7	3.0	21
1808	33278	5.0	2.7	4.0	4.0	4.3	3.3	4.0	3.3	3.8	15
1809	PB6 (RP)	3.3	4.3	5.0	4.7	3.0	3.0	4.0	3.0	3.8	16
1810	LC	5.0	3.3	4.3	4.3	4.0	3.7	4.0	3.3	4.0	10
1811	33270	5.0	4.3	4.7	4.7	4.0	3.7	3.7	3.3	4.2	9
1812	33276	4.0	3.3	3.3	3.3	2.7	3.7	2.3	1.7	3.0	19
1813	33281	5.0	4.7	5.0	4.0	4.3	3.7	4.7	4.0	4.4	7
1814	PB1509 (OC & RP)	5.0	4.7	5.0	4.0	4.3	3.7	4.7	4.0	4.4	8
1815	33271	4.7	3.7	4.3	4.3	4.0	3.7	4.0	3.3	4.0	12
1816	33273	4.3	4.0	3.7	3.7	3.0	1.7	1.7	1.7	3.0	22
1817	33280	5.0	5.0	4.7	4.0	4.7	3.7	5.0	5.0	4.6	3
1818	TB (QC)	5.0	5.0	4.7	4.0	4.7	3.7	5.0	5.0	4.6	4
1819	32297	5.0	3.3	4.0	4.0	3.3	4.0	4.7	3.3	4.0	11
1820	PB1 (YC)	4.3	4.7	5.0	5.0	4.3	3.7	4.3	4.3	4.5	6
1821	33277	5.0	4.3	3.0	3.0	2.3	3.0	2.7	2.3	3.2	18
1822	31299	4.7	4.3	5.0	5.0	5.0	3.7	5.0	4.7	4.7	2
1823	PRH10 (HC)	5.0	2.3	3.7	4.0	2.3	3.0	2.3	1.7	3.0	20
		4.0-4.9 Creamish white; 3.0-3.9 Red streaks	4.0-4.9 Partially separated; 3.0-3.9 Slightly sticky	4.0-4.9 Moderately soft; 3.0-3.9 Moderately hard	4.0-4.9 Moderately soft; 3.0-3.9 Moderately hard	3.0-3.9 Desirable; 2.0-2.9 Tasteless	4.0 Strong; 3.0-3.9 Optimum; 2.0-2.9 Mild; 1.0-1.9 No scent	3.0-3.9 Good; 2.0-2.9 Moderate	4.0-4.9 Excellent; 3.0-3.9 Good; 2.0-2.9 Acceptable		

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Tierra Seed Science Pvt Ltd	Dr. C.H.M. Vijayakumar , Director (Rice Research), Tierra Seed Science Pvt Ltd, Malaxmi Courtyard, Khajaguda, Golconda Post, Hyderabad-500 008. Email: vijayakumar@tierraagrotech.com, Mobile: 90009 88903; 96522 55366 Work: 040 4850 6656
TriMurti Plant Sciences Pvt Ltd	Dr. S.K. Ghosh , Vice President & Head (R&D), TriMurti Plant Sciences Pvt Ltd, # 101, MGR Estates, Dwarakapuri Colony, Panjagutta, Hyderabad - 500 082. Tel: 040 30611989; Fax: 040 2335567, Mobile: 83746333388, Email: ghosh@trimurti.in Dr. Amit Shukla , Sr. Rice Breeder, Email: ashukla@trimurti.in , Mob: 8374933388
UACI Seeds and Biotech Pvt. Ltd	Surajit Chanda , Sr. Manager- Research, 20 Park Side Road, Rajeswari Niwas 3rd Floor, Kolkata, West Bengal-700026. Phone: 76022 94556 Email ID: surajit.chanda@universalagri.in
UPL Limited	Mr Satish Pareek- R&D Lead , satish.pareek@advantaseeds.com Dr. V. Satya Dev , Crop Research Lead - Hybrid Rice, Advanta Limited, Krishnama House, # 8-2-418, 3rd Floor, Road No -7, Banjara Hills, Hyderabad-500 034. Ph # 040-66284000, Fax # 27890137, E-mail: satyadev@advantaseeds.com Dr. Prabhu Gouda Patil , Email: prabhugouda.patil@advantaseeds.com
Vikky's Agrisciences Pvt. Ltd	Dr. Y. Yogeswara Rao , Executive Director, Vikky's Agrisciences Pvt. Ltd, Plot No. 5, Sagar Society, Road No. 2, Banjara Hills, Hyderabad - 500 034. Ph # 040-23550251/52; Fax # 040-23550253, Mobile # 9642311120, Email: yogeswararao.vikkys@gmail.com
VNR Seeds Pvt. Ltd	Dr. K.C. Upadhyay , Head R&D, VNR Seeds Pvt. Ltd., First floor, Ratnagiri, Opp: RajKumar college, G.E. Road, Raipur - 492 001, (C.G) Mobile:08008261509, E-mail: kc_upadhyay@yahoo.com.au , kc@vnrseeds.com
Yaganti Agrotech Pvt Ltd	Dr Jagadeesha Gouda , Director Research Plot No. 38, Greenpark Avenue, Near Suchitra Circle, NH-7, Jeedimetla(V), Hyderabad-500067. Email: jagadeesha.gouda@bharatiseeds.com ; 98499 48443; 040 40189990 Mr Mohan Reddy, Senior Breeder, mohan@bharatiseeds.com ; 98495 32925 Mr Kiran Kumar, Senior Breeder, kiran@bharatiseeds.com ; 98491 17445

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Rice Millers	
Mr Hiten Bhimani	CEO , Shree Gajanan Industries, 6-26-285, Gajanan lane, Near Railway Quarters, Nizamabad-503 002, Email: hiten@gajanan.net ; Mobile: 98493 76111 www.Gajanan.net

WEATHER DATA – KHARIF 2025

ADUTHURAI							
Latitude :	11o N		Longitude:	79.3 ⁰ E		Elevation(m) :	19.47 MSL
Soil type:	Clay		Soil pH :	7.2		Soil texture :	Clay Loam
	June	July	Aug	Sep	OCT	Total / Range	
No. of Rainy days	3	1	5	9	13	31	
Total Rainfall (mm)	109.4	16.2	121.4	253.8	279.6	780.4	
Avg. Max. Temp. (⁰ C)	34.9	35.6	34	33.8	33.1	35.6-33.1	
Avg. Mini. Temp. (⁰ C)	25.0	25.3	23.0	23.7	23.2	23.0-25.3	
Avg. Sunshine hours	3.3	4.1	4.0	3.3	2.6	3.46	
Avg. wind velocity (kmph)	6.8	9.4	5.7	5.4	3.1	6.08	

ALMORA								
Latitude :	290.36°N		Longitude:	79 ⁰ .40 E			Elevation(m) :	1250
Soil type:	Clay loam		Soil pH :	6.5			Soil texture :	Clay
	May	June	July	Aug	Sep	Oct	Total / Range	
No. of Rainy days	12	14	19	21	9	3	78	
Total Rainfall (mm)	75.6	66.5	161	329.75	145.5	36.5	814.85	
Avg. Max. Temp. (°C)	30.5	29.9	29.6	30.9	29	26	30.9-26	
Avg. Mini. Temp. (°C)	13.3	16.1	18.6	20	20.1	12.5	12.5-20.1	
Avg. Sunshine hours	-	-	-	-	-	-	-	

ANNAMALAINAGAR							
Latitude :	110.24' N		Longitude:	790.41' N		Elevation(m) :	5.79 msl
Soil type:	Clay		Soil pH :	8.7		Soil texture	Clay loam
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	3	7	7	11	12	6	46
Total Rainfall (mm)	57.4	117.6	174.6	326	466.4	178.6	1320.6
Avg. Max. Temp. (⁰ C)	35.9	33.4	34.4	32	31	29.8	35.9-29.8
Avg. Mini. Temp. (⁰ C)	20.1	19.1	19.9	19.2	19.1	19	19-20.1
* Avg. Sunshine hours	-	-	-	-	-	-	-
*Avg. wind velocity	4.5	3.3	2.8	2.3	5	3.4	3.55

BANKURA							
Latitude :	23.24185		Longitude:	87.05715		Elevation (m):	84 MSL
Soil type:	Red & Lateritic		Soil pH :	4.5 – 6.0		Soil texture	Sandy Loam
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Total / Range
No. of rainy days	24	16	10	5	0	0	55
Total rainfall (mm)	7.64	6.25	10.12	13.22	0	0	37.23
Avg. Max Temp. (°C)	33.83	34.45	32.22	32.4	24.3	22.6	34.45-22.6
Avg. Min.Temp. (°C)	26.61	25.41	24.22	25.3	17.36	15.25	15.25-26.61
* Avg. Sunshine hours	-	-	-	-	-	-	-
* Avg. wind velocity	-	-	-	-	-	-	-

BAGESHWAR							
Latitude :	-		Longitude:	-		Elevation(m) :	1320
Soil type:	Clay loam		Soil pH :	6.5		Soil texture :	Sandy Clay
	May	June	July	Aug	Sep	Oct	Total / Range
No. of Rainy days	11	11	13	16	10	3	64
Total Rainfall (mm)	51.95	56.95	115.6	263.05	110.5	25.5	623.55
Avg. Max. Temp. (⁰ C)	-	-	-	-	-	-	-
Avg. Mini. Temp. (⁰ C)	-	-	-	-	-	-	-

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BHUBANESWAR							
Latitude:	20.15 N		Longitude:	85.20 E		Elevation(m) :	25.9
Soil type:	acidic		Soil pH :	5.9		Soil texture :	Sandy Loam
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of rainy days	22	16	14	12	0	0	64
Total rainfall (mm)	406.3	227.1	199.1	256.1	0	0	1088.6
Avg. Max Temp. (°C)	32.5	32.7	33	32.9	30.7	28	33-28
Avg. Min.Temp. (°C)	25.3	25.4	25	23.8	17.3	13.3	13.3-25.4
* Avg. Sunshine hours	1.9	3	3.1	5.1	7.2	3.9	4.033
* Avg. wind velocity	4.2	3.8	2.3	2.9	2.1	1.7	3.15

BILASPUR							
Latitude	13 0 25 N		Longitude:	750 45E		Elevation (m):	10 MSL
Soil type:	Laterite		Soil pH :	5.5		Soil texture	Light textured
	Jun	July	Aug	Sep	Oct	Nov	Total / Range
No. of rainy days	10	28	16	13	6	0	73
Total rainfall (mm)	100.3	654	173	267	91.8	0	1286.1
Avg. Max Temp. (°C)	36.1	31.6	32.9	33	31.7	29.5	36.1-29.5
Avg. Min.Temp. (°C)	26.7	25.3	25.6	25.2	22.9	14.9	14.9-26.7
* Avg. Sunshine hours	4.2	1.1	3.4	3.2	4.7	7.9	4.083333
* Avg. wind velocity	-	-	-	-	-	-	

BRAHMAVAR							
Latitude	13 0 25 N		Longitude:	750 45E		Elevation (m):	10 MSL
Soil type:	Laterite		Soil pH :	5.5		Soil texture	Light textured
	Jun	July	Aug	Sep	Oct	Nov	Total / Range
No. of rainy days	1082	1634.3	946	367.3	235	14.4	4279
Total rainfall (mm)	28	31	26	21	15	1	122
Avg. Max Temp. (°C)	30.3	28.5	28.9	30.2	31.7	32.5	32.5-28.9
Avg. Min.Temp. (°C)	21.8	21.6	21.5	21.4	21.5	19.6	19.6-21.8
* Avg. Sunshine hours	1.5	0.4	1.3	3.6	5.3	7	3.183333
* Avg. wind velocity	3.2	2.6	2.5	2.5	2.6	2	2.566667

CANNING							
Latitude :	22.30489° N		Longitude:	88.6656° E		Elevation (m) :	6 m
Soil type:	Saline		Soil pH :	7.0-8.0		Soil texture	Heavy texture
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Total / Range
No. of Rainy days	17	19	19	11	9	1	76
Total Rainfall (mm)	289	738	470.8	234	160	7.4	1900
Avg. Max. Temp. (°C)	34	32.4	32.3	33.2	32.8	29.9	34-29.9
Avg. Mini. Temp. (°C)	26.7	26.4	26.1	26	24.6	17.7	17.7-26.7
Avg. Sunshine hours	4.5	2.7	3.8	5.4	5.9	7.9	5.0333
Avg. wind velocity	6	3	3.1	2.8	1.5	1.8	3.033

CHATHA							
Latitude:	32° 40'N		Longitude:	74° 48'E		Elevation (m) :	293
Soil type:	-		Soil pH :	-		Soil texture:	Clay loam
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	4	13	14	4	4	1	40
Total Rainfall (mm)	60.6	275.8	880.6	131.4	73.4	3.8	1425.6
Avg. Max. Temp. (°C)	37.4	33.6	32.2	33.5	31.3	26.5	37.4-26.5
Avg. Mini. Temp. (°C)	25.1	26.1	24.7	24.3	16.6	8.6	8.6-26.1
Avg. Sunshine hours	5.1	3.7	4.1	6.3	7.9	7	5.68
Avg. wind velocity	4.8	4.3	3.4	2.1	1.6	1	2.86

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CHINSURAH							
Latitude :	22°52' N		Longitude	88°24' E		Elevation:	8.62 m MSL
Soil type:	Clay Loam		Soil pH :	7.3		Soil texture:	Gangetic Alluvial
	June	July	Aug	Sep	Oct	Nov	Total/Range
No. of Rainy days	18	26	22	15	11	1	93
Total Rainfall (mm)	185.5	322.3	307.5	281.2	117.1	0.1	1213.7
Avg. Max. Temp. (°C)	34.7	32.3	32.6	33.9	31.7	28.8	34.7-28.8
Avg. Mini. Temp. (°C)	26.4	25	25.4	25.7	23.8	15.8	15.8-26.4

CHIPLIMA							
Latitude :	20°21'N		Longitude:	80°55'E		Elevation (m) :	178.8 m MSL
Soil type:	Mixed Red, Black & Lateritic		Soil pH :	-		Soil texture:	-
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	14	22	16	12	8	0	72
Total Rainfall (mm)	11.21	13.97	7.19	11.03	2.88	0	46.28
Avg. Max. Temp. (°C)	33.53	30.94	32.25	32.31	31.69	28.93	33.53-28.93
Avg. Mini. Temp. (°C)	24.99	24.61	25.01	25.64	22.98	13.6	13.6-25.64

GANGAVATHI							
Latitude:	15°15'40''		Longitude:	76°31'40''		Elevation (m):	406
Soil type:	Medium black		Soil pH:	6.5 to 7.5		Soil texture:	Clay soil
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	5	12	11	6	0	0	34
Total Rainfall (mm)	34.5	87.3	133.5	71.5	0	0	326.8
Avg. Max. Temp. (°C)	30.55	29.49	29.27	29.9	29.74	29.15	30.55-29.9
Avg. Mini. Temp. (°C)	24.37	23.5	23.07	21.88	18.72	15.08	15.08-24.37

GOSABHA							
Latitude:	22°52' N		Longitude:	88°24' E		Elevation (m):	8.62 m MSL
Soil type:	Clay Loam		Soil pH:	7.3		Soil texture:	Gangetic Alluvial
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	9	26	25	20	14	1	95
Total Rainfall (mm)	45.4	185.3	465.8	349.4	243.8	1.5	1291
Avg. Max. Temp. (°C)	36.5	34.4	32.4	33.6	32	29.2	36.5-29.2
Avg. Mini. Temp. (°C)	28.1	27.1	26.5	26.5	25	20.7	20.7-28.1

HATHWARA							
Latitude:	23o21/ 38.323// N		Longitude:	86o23/41.39537// E		Elevation (m):	255 MSL
Soil type:	LIGHT		Soil pH:	5.8		Soil texture:	SandyLoam
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	27	24	14	8	1	0	74
Total Rainfall (mm)	334.5	80.7	172.2	65	1	0	653.4
Avg. Max. Temp. (°C)	35.9	33.9	35.8	36	30.5	26.1	36
Avg. Mini. Temp. (°C)	20.4	23.1	22.2	16.9	7.5	5	5

HAZARIBAGH							
Latitude:	23o 95'91'' N		Longitude:	85o 37'20'' E		Elevation (m):	614
Soil type:	Sandy-loam		Soil pH:	5.7		Soil texture:	35% clay, 53% silt, 15% sand
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	13	21	19	12	7	2	74
Total Rainfall (mm)	426.4	411.8	307.5	210.8	230.4	11.2	1598.1
Avg. Max. Temp. (°C)	32	29.3	29.3	30.3	28.7	24.7	32-24.7
Avg. Mini. Temp. (°C)	23.9	23.7	23.2	23.1	19.3	10.1	10.1-19.3
Avg. Sunshine hours	5.6	2.3	3	5.2	6.3	7.5	4.9833
Avg. wind velocity	-	-	-	-	-	-	-

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JABALPUR							
Latitude:	23.9° N		Longitude:	79.58° E		Elevation (m):	411.78 m above MSL
Soil type:	Medium black		Soil pH:	7.5		Soil texture:	clayey
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	9	22	9	13	8	0	61
Total Rainfall (mm)	170.4	533.7	199.1	181.1	174.3	0	1258.6
Avg. Max. Temp. (°C)	35.1	28.8	30.9	31.3	30.2	27	35.1-27
Avg. Mini. Temp. (°C)	25.9	24.4	25	24.4	21.1	11	11-25.9
Avg. Sunshine hours	5.4	4.8	4.3	3.1	2.9	1.6	3.683333
Avg. wind velocity	9	22	9	13	8	0	10.16667

JAGDALPUR							
Latitude:	19.05 °N		Longitude:	82.02°E		Elevation (m):	552
Soil type:	Alfisol		Soil pH:	6.5		Soil texture:	Sandy loam
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	11	20	16	21	11	0	79
Total Rainfall (mm)	137	550.7	501.1	287.3	141.4	0	1617.5
Avg. Max. Temp. (°C)	31.4	28.5	29.8	30.7	30.4	29.5	31.4-29.5
Avg. Mini. Temp. (°C)	22.6	22.1	22.3	22	19.8	12.6	12.6-22.6
Avg. Sunshine hours	3.3	1.5	2.9	3.3	5.2	8.3	4.083
Avg. wind velocity	4	5.4	3.4	2.7	2.6	1.3	3.233

JEYPORE								
Latitude:	18.6N		Longitude:	82.44E		Elevation (m):		553
Soil type:	acidic		Soil pH:	6.6		Soil texture:		Sandy Loam
	June	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	16	26	23	19	17	0	0	101
Total Rainfall (mm)	180	722	630	246	163	0	0	1941
Avg. Max. Temp. (°C)	37	34	34	34	33	32	30	37-30
Avg. Mini. Temp. (°C)	21	22	22	22	21	11	8	8-22

KARJAT							
Latitude:	18° 55' N		Longitude:	73° 18' N		Elevation (m):	51 m
Soil type:	Medium Black		Soil pH:	6.2		Soil texture:	Clay Loam
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	24	30	26	21	13	2	116
Total Rainfall (mm)	825.2	1125.5	1170	853.1	178.7	41.5	4194
Avg. Max. Temp. (°C)	31.64	28.84	28.52	29.08	33.42	32.41	33.42-28.52
Avg. Mini. Temp. (°C)	24.63	24.63	23.82	23.49	22.72	17.92	17.92-24.63
Avg. Sunshine hours	1.47	24.63	0.91	0.86	5.77	6.97	6.768
Avg. wind velocity	78.36	0.52	44.99	23.64	18.21	10.99	29.452

KAUL							
Latitude:	29° 51' 29.5"N		Longitude:	76° 39' 24.3" E		Elevation (m):	230.7
Soil type:	Clay Loam		Soil pH:	8.04		Soil texture:	Clay
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Total / Range
No. of Rainy days	2	10	11	5	1	0	29
Total Rainfall (mm)	26.5	260.6	308.1	163.4	16.7	1.5	776.8
Avg. Max. Temp. (°C)	36.5	33.7	32.3	33	32.1	27.8	36.5-27.8
Avg. Mini. Temp. (°C)	26	27	26.1	24.8	18.6	9.7	9.7-27
Pan evaporation (mm)	5	3.2	3.5	2.4	1.2	1.1	
Avg. Sunshine hours	5.3	3.5	2.5	6.5	6.4	5.8	5
Avg. wind velocity	4.3	3.8	2.8	3.5	1.8	1.7	2.983

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KHUDWANI								
Latitude:	34° N		Longitude:	73° E		Elevation (m):		1560 m amsl
Soil type:	Clayey loam		Soil pH:	Neutral		Soil texture:		Silty clay loam
	Apr	May	June	July	Aug	Sep	Oct	Total / Range
No. of Rainy days	5	4	2	7	5	5	1	29
Total Rainfall (mm)	77	64.6	49	82.8	118.4	75.2	35	502
Avg. Max. Temp. (°C)	23.1	27.4	31.2	30.9	29.7	28.8	23.5	31.2-23.1
Avg. Mini. Temp. (°C)	6.8	11.7	16.2	18.9	17.3	13.1	4.9	4.9-18.9
Avg. Sunshine hours	9.68	6.8	8.3	6.6	5.53	6.5	6.52	7.132
Avg. wind velocity	0.73	0.63	0.46	0.34	0.37	0.11	0.14	0.397

KURUMBAPET							
Latitude:	Between 11 ⁰ 45' and 12 ⁰ 15' N		Longitude:	Between 79 ⁰ 35' and 80 ⁰ 00' E		Elevation (m):	26 msl
Soil type:	Clay loam		Soil pH:	6.5		Soil texture:	Clay loam
	SEP	Oct	Nov	Dec	Jan-2026	Total / Range	
No. of Rainy days	-	-	-	-	-	-	
Total Rainfall (mm)	251.5	195.5	355.1	96.1	54.1	952.3	
Avg. Max. Temp. (°C)	33.8	32.9	30	28.4	28.4	33.8-28.4	
Avg. Mini. Temp. (°C)	24.8	25.7	23.8	21.6	21	21-25.7	

LUDHIANA							
Latitude:	30° 54'N		Longitude:	75° 48'E		Elevation (m):	247 MSL
Soil type:	Loamy Sand		Soil pH:	7.7		Soil texture:	-
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	6	10	11	6	3	0	36
Total Rainfall (mm)	128.2	260.9	314.6	142.4	52.4	1.2	899.7
Avg. Max. Temp. (°C)	37.7	32.9	32.2	33.4	30.9	26.3	37.7-26.3
Avg. Mini. Temp. (°C)	27.7	27.4	26.4	25.1	18.5	9.9	9.9-27.7
Avg. Sunshine hours	6.1	3.4	4.1	8.3	7.7	7	6.1
Avg. wind velocity	5.1	4.4	3.3	2.1	1.5	1.6	3

MACHILIPATNAM							
Latitude:	16.17		Longitude:	8.15		Elevation (m):	14
Soil type:	Sandy loam		Soil pH:	9.1		Soil texture:	Fine
	Aug	Sep	Oct	Nov	Dec	Jan	Total / Range
No. of Rainy days	10	10	15	2	1	-	38
Total Rainfall (mm)	161.5	146.3	317.1	7	11	-	642.9
Avg. Max. Temp. (°C)	-	-	-	-	-	-	-
Avg. Mini. Temp. (°C)	-	-	-	-	-	-	-

MALAN							
Latitude :	320 1' N			Longitude:	760 20' E	Elevation(m) :	950m
Soil type:	Alfisol			Soil pH :	5.6-5.8	Soil texture	Silty clay loam
	June	July	Aug	Sep	Oct.	Nov	Total / Range
No. of Rainy days	9	18	23	15	5	-	70
Total Rainfall (mm)	541	811.2	1050.2	772.6	100.6	-	3275.6
Avg. Max. Temp. (°C)	31.2	27.38	23.83	24.12	23.21	-	31.2-23.21
Av--g. Mini. Temp. (°C)	19.6	17.07	15.67	16.66	16.11	-	15.67-19.6

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MANDYA							
Latitude :	12.45-13.57 N		Longitude:	76.48 - 78.24 E		Elevation(m) :	695 M
Soil type:	Sandy loam		Soil pH :	6.5 – 7.1		Soil texture	Sandy loam
	July	Aug	Sep	Oct.	Nov	Dec	Total / Range
No. of Rainy days	4	4	6	7	2	0	23
Total Rainfall (mm)	41	87	64	180	7	0	379
Avg. Max. Temp. (^o C)	28.52	28.19	29.53	28.9	27.73	27.94	29.53-27.3
Avg. Mini. Temp. (^o C)	20.48	20.52	20.47	19.48	18.13	15.48	15.48-20.52
* Avg. Sunshine hours	3.71	4.05	3.9	5.42	5.5	5.35	4.66
*Avg. wind velocity	6.18	4.5	4.45	2.7	2.26	2.55	3.77

MARUTERU							
Latitude :	16.38° N		Longitude:	81.44° E		Elevation (m):	5m
Soil type:	Black alluvial clay		Soil pH :	6.5-7.5		Soil texture	Delta alluvial
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of rainy days	9	10	8	10	1	2	40
Total rainfall (mm)	159	259	134.7	210.9	25.8	19.8	809.2
Avg. Max Temp. (°C)	30.77	30.81	30.7	28.77	28.1	27.9	30.81-27.9
Avg. Min.Temp. (°C)	25.52	26.48	26.33	25.03	25.1	21.1	21.1-26.48

MONCOMPU							
Latitude :	9°26'15"N		Longitude:	76°25'42"E		Elevation(m) :	1-2.5m below MSL
Soil type:	Alluvial clay		Soil pH :	5.5		Soil texture :	Silty Clay Loam
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	24	16	14	13	5	0	72
Total Rainfall (mm)	569.4	232.8	205.8	300.9	101	0	1409.9
Avg. Max. Temp. (^o C)	31.5	30.7	31.2	32.2	32.3	33	33-30.7
Avg. Mini. Temp. (^o C)	24.2	24.6	24.7	25.2	22.3	24.6	22.3-25.2
* Avg. Sunshine hours	13	58.9	78.3	107.1	177.3	232.2	111.133

NAGINA							
Latitude :	29° 28'N		Longitude:	78° 32'E		Elevation(m) :	450
Soil type:	Sandy loam		Soil pH :	7.5		Soil texture :	
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	9	16	14	9	1	0	49
Total Rainfall (mm)	206.4	491.2	446.2	248.5	45.2	0	1437.5
Avg. Max. Temp. (^o C)	35.1	32.7	32	34.4	31.3	21.1	35.1-21.1
Avg. Mini. Temp. (^o C)	24.4	25.9	24.8	23.5	17.6	8	8-25.9
Avg. Sunshine hours	4.7	3.3	3.4	5.6	5.9	7.5	5.0667
Avg. wind velocity	4.6	4.2	4.4	3.3	1.9	1.8	3.3667

NAVASARI							
Latitude:	20° 29'		Longitude:	73o 29'		Elevation (m):	105 m
Soil type:	Clayey		Soil pH :	7.5		Soil texture	Loamy
	June	July	Aug	Sep	Oct	Nov	Dec
No. of rainy days	16	21	18	14	6	1	0
Total rainfall (mm)	305	546	402	293	220	11	0
Avg. Max Temp. (°C)	32	30.3	30.6	31.1	33.3	32	31.8
Avg. Min.Temp. (°C)	24.3	24	23.6	23.2	23.4	18.8	16.9
* Avg. Sunshine hours	4.3	1.6	1.7	2.4	6.3	7.9	8.6
* Avg. wind velocity	6.8	5.8	4.9	3	3.4	2.6	3.4

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NAWAGAM							
Latitude:	22° 48'		Longitude:	71° 3'		Elevation (m):	32.4
Soil type:	Medium Black		Soil pH :	7.8		Soil texture	Sandy Clay loam
	May	June	July	Aug	Sep	Oct	Total / Range
No. of rainy days	6	11	12	9	19	4	61
Total rainfall (mm)	141.4	270	276.3	105.6	151.6	37.4	982.3
Avg. Max Temp. (°C)	38.31	33.96	31.44	31.11	31.19	32	38.31-31.11
Avg. Min.Temp. (°C)	24.17	25.57	26.02	25.52	24.83	20.51	20.51-26.02
* Avg. Sunshine hours	8.98	4.69	8.72	3.54	5.33	6.35	6.26833
* Avg. wind velocity	5.74	7.26	6.2	3.83	3.3	3.14	4.9117

NRRI CUTTACK							
Latitude	20.27N		Longitude:	85o 52'N		Elevation (m):	23
Soil type:	Alluvial		Soil pH :	6.8		Soil texture	Clay loam
	JUNE	July	Aug	Sep	Oct	Nov	Dec
No. of rainy days	13	17	17	16	12	0	0
Total rainfall (mm)	315.8	249.6	212.3	272.7	160	0	0
Avg. Max Temp. (°C)	32.96	31.02	31.39	30.99	30.98	29.64	26.55
Avg. Min.Temp. (°C)	27.38	27.04	27.13	26.93	26.15	19.92	15.37
* Avg. Sunshine hours	1.43	1.47	2.53	2.87	4.16	5.94	1.02

PANVEL							
Latitude:	18° 59'		Longitude:	73° 10'E		Elevation (m) :	5 m MSL
Soil type:	Coastal saline		Soil pH :	7 - 8		Soil texture :	Silty clay
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	24	30	31	27	9	7	128
Total Rainfall (mm)	664.8	871.4	1255.4	637.8	52.6	40.6	3522.6
Avg. Mini. Temp. (°C)	32.52	30.05	29.35	29.5	34.13	34.15	34.15-29.35
Avg. Sunshine hours	23.16	22.39	21.84	21.47	21.61	17.83	17.83-23.16

PATNA							
Latitude :	25.30° N		Longitude:	85.15° E		Elevation (m) :	52 m
Soil type:	Recent alluvial		Soil pH :	7.5		Soil texture	Clay loam
	June	July	Aug.	Sep.	Oct.	Nov	Total / Range
No. of Rainy days	5	15	14	8	5	1	48
Total Rainfall (mm)	61.7	405.2	387.7	147.9	96.5	9.8	1108.8
Avg. Max. Temp. (°C)	36.7	34.2	32.8	33.7	31.4	27.9	36.7-27.9
Avg. Mini. Temp. (°C)	28.8	27.6	27.3	27.7	24.5	17.9	17.9-28.8
Avg. Sunshine hours	NR	NR	NR	NR	NR	NR	NR
Avg. wind velocity	NR	NR	NR	NR	NR	NR	NR

PATTAMBI							
Latitude:	10.80		Longitude:	76.19		Elevation (m):	63M
Soil type:	LATERITE		Soil pH:			Soil texture:	
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Total / Range
No. of Rainy days	19	21	17	20	9.1	4	90.1
Total Rainfall (mm)	349.1	325.6	407	581.3	183.6	14.9	1861.5
Avg. Max. Temp. (°C)	30.4	29.6	29.9	29.5	30.9	32.8	32.8-29.5
Avg. Mini. Temp. (°C)	20.6	21.5	22	22	22.9	20.9	20.6-22.9
Avg. Sunshine hours	108.7/3.6	295.6/9.5	121.53/3.9	127.7/4.1	195/6.2	214.9/7.9	
Avg. wind velocity	55.9/1.8	53.8/1.7	77.1/2.4	64.1/2.1	56.1/1.8	68/2.3	

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PRAYAGRAJ							
Latitude:	25.4120° N		Longitude:	81.8476° E		Elevation (m):	98m
Soil type:	Clay loam		Soil pH:	8		Soil texture:	Medium
	July	Aug	Sep	Oct	Nov	Total / Range	
No. of Rainy days	26	25	18	11	1	81	
Total Rainfall (mm)	209.9	266.5	72	39.2	2.9	590.5	
Avg. Max. Temp. (°C)	36	33	35	32	28	36-28	
Avg. Mini. Temp. (°C)	29	27	27	24	17	17-29	
Avg. Sunshine hours	4.61	5.84	6.13	8.39	8.57	6.708	
Avg. wind velocity	13	11	9	8	7	9.6	

PUSA							
Latitude:	25.97 N		Longitude:	85.64 E		Elevation (m):	52.0
Soil type:	calcareous		Soil pH:	8.2-8.4		Soil texture:	Sandy-loam
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	9	12	16	14	7	1	59
Total Rainfall (mm)	47.8	235.5	304	128.9	182.9	25	924.1
Avg. Max. Temp. (°C)	36.2	34.2	32.6	33.3	32	28.1	36.2-28.1
Avg. Mini. Temp. (°C)	25.8	26	25.4	25.3	21	14.1	14.1-26
Avg. Sunshine hours	5.9	6	4.4	5	5.4	5.9	5.4333
Avg. wind velocity	10.7	11.4	8.6	6.9	5.9	5.7	8.2

RADHANAGARI							
Latitude:	18013'		Longitude :	740E		Elevation (m):	485 m
Soil type:	Laterite		Soil pH:	6.00 to 6.50		Soil texture:	Low organic matter content
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Total / Range
No. of Rainy days	21	28	25	12	7	0	93
Total Rainfall (mm)	738	709.8	418	103.4	51	2.5	2022.7
Avg. Max. Temp. (°C)	26.4	26.2	26.8	28.1	32.1	31.2	32.1-26.2
Avg. Mini. Temp. (°C)	22	22	21.5	20.3	19.6	11.7	11.7-22

RAGOLU							
Latitude:	18.24 ° N		Longitude:	83.84°E		Elevation (m):	27 MSL
Soil type:	Red sandy loam with clay base		Soil pH:	6.5		Soil texture:	Clay Loamy
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	13	11	14	14	1	1	54
Total Rainfall (mm)	110.5	292	171.5	201	2.5	14.5	792
Avg. Max. Temp. (°C)	33.08	32.3	33.13	31.8	31.2	28.5	33.13-28.5
Avg. Mini. Temp. (°C)	26.91	27.17	26.38	25.33	20.41	15.77	15.77-27.17
Avg. Sunshine hours	3.52	3.76	4.36	5.25	7.72	8.17	5.4633
Avg. wind velocity	-	-	-	-	-	-	-

RAIPUR							
Latitude:	21o16' N		Longitude:	80o 36' E		Elevation (m):	298
Soil type:	Sandy loam		Soil pH:	-		Soil texture:	Clay loam
	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	13	14	12	7	1	0	47
Total Rainfall (mm)	489.8	186	218.6	139	8.2	0	1041.6
Avg. Max. Temp. (°C)	29.9	31.5	31.4	30.8	29.2	27.7	31.5-27.7
Avg. Mini. Temp. (°C)	25.2	25.5	25.2	23.4	14.6	8.7	8.7-25.5
Avg. Sunshine hours	1.2	3.9	3.8	5	7	6.4	4.55
Avg. wind velocity	8.5	6.1	3.7	4.1	2.2	1.7	4.383

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RANCHI							
Latitude:	27° 17' N		Longitude:	85° 19' E		Elevation (m):	625 m
Soil type:	Red Lateritic		Soil pH:	5.6		Soil texture:	Sandy loam
	June	July	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	14	18	19	18	7	1	77
Total Rainfall (mm)	982.6	563	360.1	400.6	61.6	4	2371.9
Avg. Max. Temp. (°C)	32.7	26.6	27.9	28.4	27	24.5	32.7-24.5
Avg. Mini. Temp. (°C)	21.6	16.3	21.6	19.9	16.3	10.1	10.1-21.6
Avg. Sunshine hours	NA	NA	NA	NA	NA	NA	NA
Avg. wind velocity	3	2.3	2.2	2.3	2.4	2.8	2.5

REWA							
Latitude:	24° 30' N		Longitude:	81° 2' E		Elevation (m):	360 msl
Soil type:	Clay loam		Soil pH:	7.3		Soil texture:	Silty Clay loam
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	10	14	14	9	8	0	55
Total Rainfall (mm)	132	516.7	494.9	133.8	123.2	0	1400.6

SAKOLI							
Latitude:	20° 04' 01N		Longitude:	79° 59' 17E		Elevation (m):	243m
Soil type:	Lateritic		Soil pH:	6.57 to 7.02 (Neutral)		Soil texture:	Clay loam
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	9	17	15	16	6	1	64
Total Rainfall (mm)	128.4	750.2	229.6	355.6	108	14.2	1586

Shirgaon							
Latitude:	17° 50' N		Longitude:	73° E		Elevation (m):	10
Soil type:	Lateritic		Soil pH:	6.7		Soil texture:	Porous
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	26	24	23	22	12	3	110
Total Rainfall (mm)	674.2	733.6	1020.6	427.3	292.5	138.8	3287
Avg. Sunshine hours	3.2	1.3	1.3	2.4	5.3	7.8	3.55
Avg. wind velocity	5.3	5.3	3.2	1.7	2	1.3	3.133

SUNDERNAGAR							
Latitude:	31° 32' 17'' N		Longitude:	76° 53' 48'' E		Elevation (m):	Clay Loam
Soil type:	Clay		Soil pH:	7.8		Soil texture:	870 m
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	17	25	28	19	6	1	96
Total Rainfall (mm)	264.5	361	529.3	378.2	73.4	0.1	1606.5
Avg. Max. Temp. (°C)	33.3	30.5	29.8	30	28.3	24.2	33.3-24.2
Avg. Mini. Temp. (°C)	22.2	23.1	22.5	21.4	13.9	6.3	6.3-23.1

Trichy							
Latitude:	10° 45' N		Longitude:	78° 36' E		Elevation (m):	Clay Loam
Soil type:	Clay		Soil pH:	8.7		Soil texture:	
	Aug	Sep	Oct	Nov	Dec	Total / Range	
No. of Rainy days	6	8	8	7	2	31	
Total Rainfall (mm)	147.7	130.8	148.2	99.8	18.8	545.3	
Avg. Max. Temp. (°C)	34.9	34.5	33.5	31.9	32.8	34.9-31.9	
Avg. Mini. Temp. (°C)	24.8	24.9	24.7	23.8	24	23.8-24.9	
Avg. Sunshine hours	5	5.4	4.8	4.4	5.1	4.94	
Avg. wind velocity	1	1.1	1.1	1.6	1.4	1.24	

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Tirur								
Latitude:	1307°N		Longitude:		78056°E		Elevation (m):	39.47
Soil type:	Enceptisol		Soil pH:		7-8.5		Soil texture:	Sandy clay loam
	June	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	3	7	8	7	15	7	4	51
Total Rainfall (mm)	57.6	163.1	159.8	165.3	301.6	183	198.2	1228.6
Avg. Max. Temp. (°C)	37.06	38.64	34.44	34.23	31.38	31.73	28.8	38.64-28.8
Avg. Mini. Temp. (°C)	28.43	25.5	25.56	26	23.96	24.66	22.72	22.72-28.43

TITABAR							
Latitude:	26°34'34.5"N		Longitude:	94°10'56.8"E		Elevation (m):	96 m
Soil type:	-		Soil pH:	-		Soil texture:	-
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	12	17	17	10	6	5	67
Total Rainfall (mm)	244	348.2	355	195.8	71.2	14.8	1229
Avg. Max. Temp. (°C)	33.8	34.6	33.1	33.8	32.3	28.7	34.6-28.7
Avg. Mini. Temp. (°C)	22.1	21.8	20.8	20.1	18	13.7	13.7-22.1
Avg. Sunshine hours	4	4.5	3.7	5	5.4	5.9	4.75

VADGAON MAVAL									
Latitude:	187-45 North		Longitude:		73 – 41 East		Elevation (m):		677.9 m
Soil type:	Medium		Soil pH:		6.5-7.5		Soil texture:		Clay-loam
	Upto May	June	July	Aug	Sep	Oct	Nov	Dec	Total / Range
No. of Rainy days	280.8	536.4	451.2	351.6	203	38.6	5.6	0	1867.2
Total Rainfall (mm)	12	21	22	17	16	4	1	0	93
Avg. Max. Temp. (°C)	39.4	29.4	29.4	29.4	29	33.3	30.9	29.1	39.4-29
Avg. Mini. Temp. (°C)	19.1	22.3	22.1	22	20.6	20.6	11.9	9.4	9.4-22.3

VYARA							
Latitude:	20o 10’		Longitude:	73o 20’		Elevation (m):	69
Soil type:	Medium Black		Soil pH:	7.5		Soil texture:	Clayey
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	17	25	20	18	07	1	88
Total Rainfall (mm)	618.0	942.1	655.5	576.5	147.6	8.3	2947.5
Avg. Max. Temp. (°C)	27.8	26.6	26.0	25.7	25.4	20.8	27.8-20.8
Avg. Mini. Temp. (°C)	19.5	20.1	27.4	-	15.6	16.9	15.6-27.4

WANGBAL							
Latitude:	24°8'N		Longitude:	94°E		Elevation (m):	781m
Soil type:	Clay loam		Soil pH:	5.5		Soil texture:	Fine
	Jun	Jul	Aug	Sep	Oct	Nov	Total / Range
No. of Rainy days	15	20	19	9	4	5	72
Total Rainfall (mm)	231.2	284.9	226.4	112.8	45.8	22.1	923.2
Avg. Max. Temp. (°C)	33	33	33	33	33	29	33-29
Avg. Mini. Temp. (°C)	23	23	21	21	18	15	15-23

WARASEONI						
Latitude:	21°45'N		Longitude:		80°50'E	
Soil type:	Sandy loam		Soil pH:		7.5	
	Jun	Jul	Aug	Sep	Oct	Total / Range
No. of Rainy days	15	23	17	18	7	80
Total Rainfall (mm)	188.1	1017.2	121.5	216.6	37.7	1581.1

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Trials Sent and Data Received

Funded Location-2025				
Region	State	Location	Total Trial Sent	Total Data Received
ZONE I-HILLS	MANIPUR	WANGBAL	2	2
	MEGHALAYA	UPPER SHILLONG	3	2
	JAMMU & KASHMIR	KHUDWANI	3	3
	HIMACHAL PRADESH	MALAN	4	4
	SOUTHERN HILLS	Ponnampet	5	5
ZONE II-NORTHERN	UTTARAKHAND	PANTNAGAR	6	6
	PUNJAB	LUDHIANA	15	15
	HARYANA	KAUL	11	11
		Karnal (ICAR-CSSRI)	10	10
	JAMMU KASHMIR	CHATHA	6	6
	RAJASTHAN	KOTA	6	4
	UTTAR PRADESH	NAGINA	11	11
		KANPUR	7	7
ZONE III-EASTERN	ODISHA	JEYPORE	16	16
		CHIJPLIMA	18	10
	BIHAR	BIKRAMGANJ(Dhangain)	22	22
		PUSA	12	12
	JHARKHAND	RANCHI	18	17
	WEST BENGAL	CHINSURAH	18	13
		BANKURA	13	10
	UTTAR PRADESH	MASODHA	20	20
		VARANASI	14	14
ZONE IV- NORTH EASTERN	ASSAM	TITABAR	18	16
	TRIPURA	ARUNDHU TINAGAR	17	14
ZONE-V – CENTRAL	MADHYA PRADESH	REWA	8	8
	CHHATTISGARH	RAIPUR	18	18
		JAGADALPUR	15	15
	MAHARASHTRA	SAKOLI	12	12
ZONE VI – WESTERN	MAHARASHTRA	KARJAT	20	20
	GUJARAT	NAVSARI	22	22
		NAWAGAM	20	20
ZONE VII – SOUTHERN	ANDHRA PRADESH	MARUTERU	21	21
	TELANGANA	RAJENDRANAGAR	15	15
		WARANGAL	17	17
	TAMIL NADU	ADUTHURAI	18	18
		COIMBATORE	16	16
	KERALA	MONCOMPU	11	11
		PATTAMBI	18	16
	KARNATAKA	MANDYA	22	20
		MUGAD	21	21
BRAHMAVAR		17	17	
Total			566	537

Voluntary Locations-2025

Region	State	Location	Total Trial Sent	Total Data Received
ZONE I – HILLY REGION	MANIPUR	Lamphelpat-ICAR	3	2
		IMPHAL CAU	3	2
	MEGHALAYA	Barapani (Umiam) ICAR	2	2
		CAU, Barapani	2	2
	SIKKIM	Gangtok	1	1
	UTTARAKHAND	Almora- ICAR	4	4
		Bageswar (Almora)	1	1
	JAMMU & KASHMIR	Pombay (Khudwani)	3	2
		Wadura (Khudwani)	2	1
		Rajouri	2	2
		Bandipore	1	0
		Larnoo	2	2
		Badarwa	2	0
	HIMACHAL PRADESH	Palampur	1	1
		Sundernagar (Malan)	3	3
		Bajura (Malan)	0	0
		Dhaulakaun	2	2
		Bhertin	1	0
	NAGALAND	Mediziphema - ICAR	1	0
		Nagaland (University)	2	2
SOUTHERN HILLS		Gudaluru	2	2
		Sirsi	5	5
ZONE II-NORTHERN	NEW DELHI	IARI New Delhi	3	0
	HARYANA	Rohtak (Karnal)	2	2
		Jind (Karnal)	2	0
		Panipat (Karnal)	2	2
		Kurukshetra (Karnal)	2	2
		Anjanitel(Karnal)	2	2
	ODISHA	Bhubaneswar	8	8
		ICAR-NRRI (Cuttack)	24	24
		Ranital	0	0
	BIHAR	Sabour	11	11
		Patna-ICAR	4	4
	JHARKHAND	Hazaribagh	4	2
	WEST BENGAL	Canning-ICAR	2	2
		Pundibhari	4	4
		Hathwara	7	6
		Malda	10	9
		Gosaba	2	2
	UTTAR PRADESH	Lucknow-ICAR	2	2
		Gorakhpur	7	6
		GautamBudha Nagar(Karnal)	2	2

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Region	State	Location	Total Trial Sent	Total Data Received
		Prayagraj	2	2
	ASSAM	Gerua-ICAR	12	9
	TRIPURA	Lembucherra	14	13
ZONE-V – CENTRAL	MADHYA PRADESH	Waraseoni	7	5
		Jabalpur	9	9
	CHHATTISGARH	Ambikhapur	8	8
		Bilaspur	9	4
	MAHARASHTRA	Sindewahi	10	10
ZONE VI – WESTERN	MAHARASHTRA	Panvel	2	2
		Shirgaon	7	7
		Vadagaon	10	6
		Pondaghat	2	2
		Parbhani	3	3
		Radhanagari	6	6
	GUJARAT	Derol	4	2
		Dabhoi	0	0
		Vyara	10	10
		Baruch (Karnal)	2	0
	GOA	Goa	2	2
ZONE VII – SOUTHERN	ANDHRA PRADESH	Machilipatnam	2	2
		Ragolu	7	7
		Bapatla	4	4
		Nellore	3	3
	TELANGANA	Rudrur	4	2
		ICAR-IIRR, Hyderabad	4	4
		Kampasagar	8	8
		Kunaram	5	5
		Jagtial	5	5
	TAMIL NADU	Tirur	4	4
		Trichy	2	2
		Annamalainagar	2	2
	KERALA	Vytilla	5	5
	KARNATAKA	Kumta	0	0
		GANGAVATI	13	13
		Malagi	0	0
		Kathalgere	7	0
	PUDUCHERRY	KURUMBAPET	20	0
		Karaikal	15	13
	Andaman & Nicobar	Portblair	1	1
Total			347	302

Initial Hybrid Rice Trials (IHRTs): -Trials Sent and Data Received

FUNDED LOCATIONS – 2025

Zone	State	Location	Trials Sent	Data receipt	Reasons for Failure of the Expt.
Zone 1 (Hills)	Himachal Pradesh	Malan	1	1	0
Zone 2 (Northern)	Uttarakhand	Pantnagar	3	3	0
	Punjab	Ludhiana	3	3	0
	Haryana	Kaul	3	3	0
	Uttar Pradesh	Nagina	3	3	0
Zone 3 (Eastern)	Bihar	Dhangain	3	3	0
	Odisha	Chiplima	1	1	0
	Jharkhand	Ranchi	4	4	0
	West Bengal	Chinsurah	4	4	0
	Uttar Pradesh	Masodha	4	4	0
		Varanasi	2	2	0
Zone 4 (North Eastern)	Assam	Titabar	4	4	0
	Tripura	Arundhutinagar	4	4	0
Zone 5 (Central)	Chhattisgarh	Raipur	4	4	0
	Maharashtra	Sakoli	2	2	0
Zone 6 (Western)	Maharashtra	Karjat	4	4	0
	Gujarat	Nawagam	4	4	0
		Navsari	2	2	0
Zone 7 (Southern)	Andhra Pradesh	Maruteru	4	4	0
	Telangana	Warangal	4	4	0
	Tamil Nadu	Aduthurai	2	2	0
		Coimbatore	4	4	0
	Karnataka	Brahmavar	2	2	0
		Mandya	4	4	0
		Total	75	75	0

VOLUNTARY LOCATIONS – 2025

Zone	State	Location	Trials Sent	Data receipt	Reasons for Failure of the Expt.
Zone 2 (Northern)	New Delhi	ICAR-IARI	2	2	0
Zone 3 (Eastern)	Odisha	ICAR-NRRI	4	4	0
	Bihar	Sabour	3	3	0
Zone 5 (Central)	Madhya Pradesh	Jabalpur	4	4	0
		Waraseoni	4	4	0
	Maharashtra	Sindewahi	4	4	0
Zone 6 (Western)	Maharashtra	Shirgaon	2	2	0
		Vadgaon Maval	1	1	0
		Phondaghat	2	2	0
		Radhanagari	2	2	0
	Gujarat	Dabhoi	4	4	0
		Vyara	2	2	0
Zone 7 (Southern)	Andhra Pradesh	Bapatla	1	1	0
	Telangana	ICAR-IIRR	4	4	0
	Puducherry	Karaikal	2	2	0
		Total	41	41	0

PRIVATE COMPANIES LOCATION

Zone	State	Location	Name of the Company	Trials Sent	Data receipt	Reasons for Failure of the Expt.
Zone -2 (Northern)	Haryana	Kurukshetra	Nuziveedu Seeds Ltd.	1	1	0
Zone 3 (Eastern)	Bihar	Nawada	Prasad Seeds Pvt. Ltd.	3	3	0
	Jharkhand	Ranchi	Bayer Bio-Science Pvt. Ltd.	4	4	0
		Ranchi	Trimurthi Plant Sciences Pvt. Ltd.	1	1	0
	Uttar Pradesh	Bareilly	Trimurthi Plant Sciences Pvt. Ltd.	1	1	0
		Ayodhya	Indo-American Hybrid Seeds(India) Pvt. Ltd.	2	2	0
Zone 5 (Central)	Madhya Pradesh	Satna	Nuziveedu Seeds Ltd.	1	1	0
	Chhattisgarh	Durg	VNR Seeds Pvt. Ltd.	4	4	0
	Maharashtra	Nagpur	Ankur Seeds Pvt. Ltd.	3	3	0
			Total	20	20	0

ABBREVIATIONS

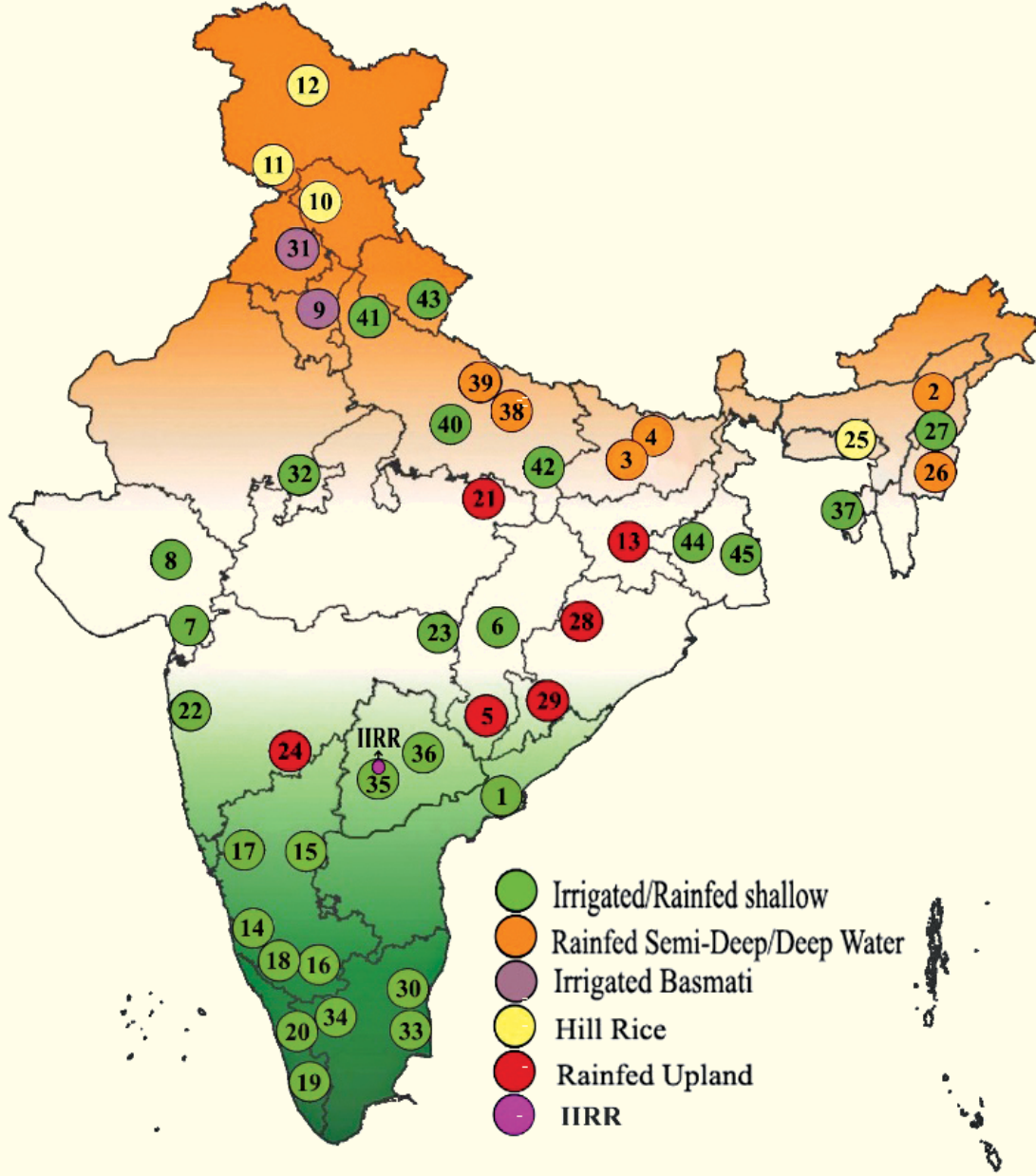
ABP	Ambikapur	JBP	Jabalpur	PDG	Phondaghat
ADT	Aduthurai	JDP	Jagadapur	PLG	Palghar
ALG	Aligarh	JGL	Jagtial	PLM	Palampur
ALH	Allahabad	JND	Jind	PNB	Pundibhari
ALM	Allmora-ICAR	JRP	Jharanapani	PNP	Ponnampet
AML	Annamalainagar	JYP	Jeypore	PNT	Pantnagar
AMS	Ambasamudram	KBP	Kurumbapet	PNV	Panvel
ARD	Arundhutinagar	KHD	Khudwani	POB	Port Blair
BBN	Bhubaneswar	KJT	Karjat	PPT	Panipat
BDP	Bandipore	KLP	Kalimpong	PRK	Paramakudi
BGL	Bengaluru	KLS	Kolasib	PSA	Pusa
BGS	Bageshwar	KMP	Kampasagar	PTB	Pattambi
BJR	Bajaura	KNM	Kunaram	PTN	Patna
BKG	Bikramganj (Patna)	KNP	Kanpur	PTN	Patna-ICAR
BLP	Bilaspur	KOL	Kolkata	RCI	Ranchi
BNK	Bankura	KPT	Kapurthala	RDN	Radhanagari
BNS	Banswara	KRK	Karaikal	RDR	Rudrur
BPT	Bapatla	KRL	Karnal(CSSRI)	REW	Rewa
BRD	Bardoli	KTA	Kota	RGL	Ragolu
BRM	Brahmavar	KTG	Kathalgere	RHK	Rohtak
CBT	Coimbatore	KTR	Katrain	RJR	Rajouri
CHN	Chinsurah	KUK	Kurukshetra	RNG	Ranichouri
CHP	Chiplima	KUL	Kaul	RNR	Rajendranagar
CHT	Chatha	LCK	Lucknow	RPR	Raipur
CKD	Chakdha (Mohanpur)	LDN	Ludhiana	RUN	Rauni
CNG	Canning-ICAR	LGL	Langol	SBR	Sabour
CTK	NRRI-Cuttak (ICAR)	LMB	Lembucherra	SHL	Shalimar
CTP	Chintapalli	LPP	Lamphalpat	SHR	Shirgaon
DBI	Dabhoi	MDG	Mudigere	SKL	Sakoli
DNT	Danti	MDP	Modipuram	SND	Sindewahi
DRL	Derol	MGD	Mugad	SRS	Sirsi
DUK	Dhaulakhan	MJH	Majhera	SUN	Sundernagar
GBN	Gautam Buddha Nagar	MLN	Malan	TLJ	Tuljapur
GDL	Gudalur	MNC	Moncompu	TRR	Tirur
GDP	Gurdaspur	MND	Mandya	TRY	Trichy
GER	Gerua-ICAR	MPM	Machilipatnam	TTB	Titabar
GGT	Ghaghrahat	MSD	Masodha	UMM	Barapani (Umiam)
GNV	Gangavati	MTO	Motto	USG	Upper Shillong
GOA	Goa	MTU	Maruteru	VDG	Vadagaon
GRK	CRD-Gorakhpur	NGN	Nagina	VRN	Varanasi
GSB	Gosaba	NLP	North Lakhimpur	VTL	Vytilla
GTK	Gangtok	NLR	Nellore	VYR	Vyara
HTW	Hathwara	NND	Nandyal	WBL	Wangbal
HZB	Hazaribagh	NVS	Navsari	WDR	Wadura
IAR	IARI-New Delhi	NWG	Nawagam	WGL	Warangal
IGP	Igatpuri	PBN	Parbhani	WRS	Waraseoni
IMP	Imphal (CAU)	PBY	Pombay		

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