All India Coordinated Research Project on Rice (AICRPR)

Technical Programme
2025

भारतीय वरि परिशोधना संस्ठ
भारतीय चावल अनुसंधान संस्थान
ICAR-Indian Institute of Rice Research

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Compiled by:

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Plant Breeding-

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Plant Breeding & PI-AICRIP (Rice)

CONTENT

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																				
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
Zone 1	**ZONE I – HILLY REGION**																																			
State	**MANIPUR**																																			
V	Lamphelpat-ICAR				X	X																									X				**3**
V	Imphal CAU				X	X																									X				**3**
F	Wangbal				X	X																													**2**
State	**MEGHALAYA**																																			
F	Upper Shillong			X	X	X																													**3**
V	Barapani (Umiam) ICAR				X	X																													**2**
V	CAU, Barapani				X	X																													**2**
State	**SIKKIM**																																			
V	Gangtok				X																														**1**
State	**UTTARAKHAND**																																			
V	Almora- ICAR			X	X	X																									X				**4**
V	Bageswar (Almora)					X																													**1**
UT	**JAMMU & KASHMIR**																																			
F	Khudwani			X	X		X																													**3**
V	Pombay (Khudwani)			X	X																															**2**
V	Wadura (Khudwani)			X	X																															**2**
V	Rajouri			X	X																															**2**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																				
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**						**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
V	Bandipore			X																															**1**
V	Larnoo			X			X																												**2**
V	Badarwa			X	X																														**2**
State	**HIMACHAL PRADESH**																																		
F	Malan			X	X	X	X																												**4**
V	Palampur			X																															**1**
V	Sundernagar (Malan)			X	X	X																													**3**
V	Bajura (Malan)																																		**0**
V	Dhaulakaun			X	X	X																													**3**
V	Bhertin					X																													**1**
State	**NAGALAND**																																		
V	Mediziphema - ICAR			X																															**1**
V	Nagaland (University)															X	X																		**2**
State	**SOUTHERN HILLS**																																		
V	Gudaluru			X	X																														**2**
V	Sirsi				X									X	X					X	X														**5**
F	Ponnampet(Karnataka)			X								X		X	X																X				**5**
Zone-II	**ZONE II-NORTHERN**																																		
V	New Delhi																														X		X	X	**3**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																		
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
V	IARI New Delhi																																		**0**
State	**UTTARAKHAND**																																		
F	Pantnagar							X	X	X	X	X	X	X	X																		X	X	**10**
State	**PUNJAB**																																		
F	Ludhiana							X	X	X	X	X	X			X	X			X	X								X	X	X		X	X	**15**
State	**HARYANA**																																		
F	Kaul							X	X	X	X	X	X			X	X														X		X	X	**11**
F	Karnal (ICAR-CSSRI)															X	X			X	X	X	X	X	X								X	X	**10**
V	Rohtak (Karnal)																					X	X												**2**
V	Jind (Karnal)																					X	X												**2**
V	Panipat (Karnal)																					X	X												**2**
V	Kurukshetra (Karnal)																					X	X												**2**
V	Anjanitel(Karnal)																					X	X												**2**
UT	**JAMMU KASHMIR**																																		
F	Chatha									X	X	X	X	X	X																X		X	X	**9**
State	**RAJASTHAN**																																		
F	Kota							X	X											X	X												X	X	**6**
State	**UTTAR PRADESH**																																		
F	Nagina							X	X	X	X	X	X	X	X																	X	X	X	**11**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																		
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
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F	Kanpur									X	X	X	X									X	X									X			**7**
Zone	**ZONE III-EASTERN**																																		
State	**ODISHA**																																		
V	Bhubaneswar								X			X	X	X	X			X	X												X				**8**
V	ICAR-NRRI (Cuttack)	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X		X	X	X	X	X	X			**24**
F	Jeypore	X	X					X	X	X	X	X	X	X	X			X	X	X	X										X	X			**16**
F	Chiplima	X	X					X	X	X	X	X	X	X	X			X	X	X	X										X	X	X	X	**18**
V	Ranital																																		**0**
State	**BIHAR**																																		
F	Bikramganj (Dhangain)							X	X	X	X	X	X	X	X	X	X	X	X	X	X						X	X	X	X	X	X	X	X	**22**
F	Pusa	X														X	X	X	X								X	X	X	X	X		X	X	**12**
V	Sabour							X			X	X	X		X		X	X	X													X	X	X	**11**
V	Patna-ICAR							X	X							X	X																		**4**
State	**JHARKHAND**																																		
F	Ranchi							X	X	X	X	X	X	X	X	X	X	X	X								X	X	X	X	X	X			**18**
V	Hazaribagh							X	X							X	X																		**4**
State	**WEST BENGAL**																																		
F	Chinsurah	X	X					X	X	X	X	X	X	X	X			X	X	X	X			X	X						X	X			**18**
V	Canning-ICAR																							X	X										**2**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																		
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
V	Pundibhari	X					X																								X	X			**4**
V	Hathwara							X	X	X	X									X	X											X			**7**
V	Malda	X					X	X	X	X	X	X	X	X	X																				**10**
F	Bankura	X	X							X	X	X	X	X	X									X	X							X			**11**
V	Gosaba																							X	X										**2**
State	**UTTAR PRADESH**																																		
F	Masodha							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								X	X	X	X	**20**
V	Lucknow-ICAR																					X	X										X	X	**4**
F	Varanasi							X	X	X	X					X	X	X	X	X	X										X	X	X	X	**14**
V	Gorakhpur															X	X	X	X													X	X	X	**7**
V	Gautam Budha Nagar(Karnal)																					X	X												**2**
V	Prayagraj								X				X																						**2**
Zone IV	**ZONE IV- NORTH EASTERN**																																		
State	**ASSAM**																																		
F	Titabar	X					X	X	X	X	X	X	X	X	X			X	X	X	X										X	X	X	X	**18**
V	Gerua-ICAR	X					X		X	X	X	X	X	X	X			X	X													X			**12**
State	**TRIPURA**																																		
F	Arundhutinagar	X						X	X			X	X	X	X	X	X	X	X	X	X										X	X	X	X	**17**
V	Lembucherra	X					X	X	X	X	X	X	X	X	X	X	X	X	X																**14**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																			
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
Zone V	**ZONE-V – CENTRAL**																																		
State	**MADHYA PRADESH**																																		
V	Waraseoni											X	X	X	X					X	X											X			**7**
F	Rewa							X	X	X	X					X	X																X	X	**8**
V	Jabalpur									X	X					X	X	X	X	X	X											X			**9**
State	**CHHATTISGARH**																																		
F	Raipur							X	X	X	X	X	X	X	X	X	X	X	X	X	X										X	X	X	X	**18**
V	Ambikhapur								X	X	X	X	X	X	X																	X			**8**
F	Jagadalpur							X	X	X	X	X	X	X	X	X	X			X	X											X	X	X	**15**
V	Bilaspur							X	X	X	X	X	X	X	X																	X			**9**
State	**MAHARASHTRA**																																		
F	Sakoli							X	X	X	X	X	X	X	X			X	X	X	X														**12**
V	Sindewahi							X	X			X	X	X	X			X	X	X	X														**10**
Zone VI	**ZONE VI – WESTERN**																																		
State	**MAHARASHTRA**																																		
F	Karjat							X	X	X	X	X	X	X	X			X	X	X	X						X	X	X	X	X	X	X	X	**20**
V	Panvel																							X	X										**2**
V	Shirgaon								X			X	X	X	X			X	X																**7**
V	Vadagaon									X	X			X	X												X	X	X	X			X	X	**10**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																		
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**						**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
V	Pondaghat													X	X																				**2**
V	Parbhani															X	X																	X	**3**
V	Radhanagari							X	X	X	X							X	X																**6**
State	**GUJARAT**																																		
F	Navsari									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	**22**
F	Nawagam							X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X						X	X	X	X	**20**
V	Derol															X	X																X	X	**4**
V	Dabhoi																																		**0**
V	Vyara							X	X	X	X					X	X	X	X														X	X	**10**
V	Bharuch (Karnal)																							X	X										**2**
State	**GOA**																																		
V	Goa																							X	X										**2**
Zone VII	**ZONE VII – SOUTHERN**																																		
State	**ANDHRA PRADESH**																																		
V	Machilipatnam																							X	X										**2**
F	Maruteru		X					X	X	X	X	X	X	X	X			X	X	X	X					X	X	X	X	X	X		X	X	**21**
V	Ragolu											X	X	X	X			X	X							X									**7**
V	Bapatla																	X	X							X					X				**4**
V	Nellore		X																							X					X				**3**

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																		
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
State	**TELANGANA**																																		
V	Rudrur							X	X											X	X														**4**
V	ICAR-IIRR, Hyderabad																										X	X	X	X					**4**
F	Rajendranagar		X							X	X	X	X	X	X			X	X	X	X					X						X	X	X	**15**
V	Kampasagar		X					X	X	X	X											X	X								X				**8**
V	Kunaram							X	X	X	X															X									**5**
F	Warangal		X					X	X	X	X	X	X	X	X			X	X	X	X					X					X		X	X	**17**
V	Jagtial		X					X	X			X	X																						**5**
State	**TAMIL NADU**																																		
F	Aduthurai		X					X	X	X	X	X	X	X	X			X	X	X	X					X					X	X	X	X	**18**
F	Coimbatore		X					X	X	X	X	X	X	X	X			X	X	X	X					X							X	X	**16**
V	Tirur							X	X			X	X	X	X			X	X																**8**
V	Trichy																					X	X												**2**
V	Annamalainagar																					X	X												**2**
State	**KERALA**																																		
F	Moncompu		X					X	X	X	X									X	X					X					X		X	X	**11**
F	Pattambi		X					X	X	X	X	X	X	X	X			X	X	X	X					X					X	X	X	X	**18**
V	Vytilla																					X	X	X	X	X									**5**
State	**KARNATAKA**																																		

ICAR-IIRR VARIETAL IMPROVEMENT TRIAL 2025																																	
	Ecosystem	**Boro**	**Early Rabi**	**Hills**				**Irrigated**								**Aerob**		**MS Grain**		**Biofort**		**Saline & Alkaline**					**P&N**					**AGT**			
	Trial No	**21**	**22**	**23**	**24**	**25**	**26**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	
	Location/Trial Name	**AVT-IVT Boro 2023-24**	**AVT- IVT-Early 2023-24**	**AVT 1 & IVT – E (H)**	**AVT 2 & 1 & IVT-M (H)**	**AVT 1 & IVT – U (H)**	**AVT 1 J (H)**	**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 - Aerobic**	**IVT - Aerobic**	**AVT 2 & 1 - MS**	**IVT - MS**	**AVT 2 & 1 - Biofort**	**IVT- Biofort**	**AVT 2 & 1 - AL & ISTVT**	**IVT - AL & ISTVT**	**AVT 1 - CSTVT**	**IVT - CSTVT**	**AVT 2 & 1 - Nils**	**AVT 2 & 1 - LPT**	**IVT - LPT**	**AVT 2 & 1 - LNT**	**IVT - LNT**	**AVT 1 & IVT - CR**	**AVT 2 & 1 & IVT - AGT**	**AVT 1 - DSR**	**IVT - DSR**	**TOTAL**
F	Mandya		X					X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X	X	X			X	X	**22**
F	Mugad							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							X	X	X	**21**
V	Kumta																																		
F	Brahmavar		X					X	X	X	X	X	X	X	X					X	X			X	X	X					X		X	X	**17**
V	Gangavati		X					X	X									X	X	X	X	X	X			X	X	X				X			**13**
V	Malagi																																		
V	Kathalgere								X	X	X	X	X	X	X																				**7**
UT	**PUDUCHERRY**																																		
V	Kurumbapet (Puducherry)							X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X						X	X	X	**20**
V	Karaikal									X	X			X	X			X	X	X	X	X	X	X	X	X									**13**
UT	**Andaman & Nicobar**																																		
V	Portblair																									X									**1**
	Total Locations	**12**	**18**	**16**	**18**	**12**	**8**	**47**	**52**	**48**	**49**	**47**	**47**	**46**	**47**	**25**	**26**	**40**	**40**	**37**	**37**	**20**	**20**	**17**	**17**	**18**	**10**	**10**	**11**	**11**	**34**	**33**	**38**	**39**	**950**
	Total Entries	**30**	**33**	**28**	**31**	**13**	**8**	**27**	**64**	**32**	**64**	**44**	**64**	**13**	**64**	**20**	**64**	**15**	**64**	**18**	**49**	**18**	**28**	**22**	**37**	**31**	**37**	**20**	**23**	**22**	**41**	**48**	**17**	**64**	**1153**

ICAR- INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad-500 030
Boro 2024-25

Name of the trial:	**21. Initial Variety Trial - Boro IVT-Boro)**
Objective:	To study the comparative performance of cultures suitable for boro season
Locations:	12
Layout:	Randomized Block Design (RBD)
Replications:	3
Fertilizers:	As per the recommendation of the centre
Plant protection:	Need-based
Plot size:	15 sq m
Spacing:	Transplanting: 15 cm between rows 10 cm between plants
No. of entries:	30
Check varieties	Varietal checks : **Gautam**, **IR 64**; *Hybrid Check* : **Rajalakshmi,**; **Local check**
General instructions:	1. Sow the seedbed as thin as possible 2. Transplant seedling as per the situation 3. Transplant seedlings very shallow 4. Gap fill within a week of planting 5. Incorporate fertilizer evenly
Data to be collected:	1. Cold Tolerance score 0-9 scale at 25-30 days old seedling stage. 2. Spikelet Fertility observation-- 1-3 scale* 3. Temperature records (min.& max. at nursery, vegetative and flowering stages) (Table enclosed) 4. Grain yield (kg/plot) 5. Panicles per sq m (No.) 6. Plant Height (cm) 7. Days to 50% flowering (No.) 8. Notes on grain shattering 1-3 scale# 9. Notes on lodging@ 1-3 scale
Yield:	When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield

***: 1 -indicate fertile, 2- partially fertile (>50% fertility), 3- Sterile (<50% fertility visual observation).**
 # : 1- No shattering, 2- moderate shattering, 3- shattering.
@: 1- No lodging, 2- partial lodging. 3- lodging.

Trial No. 21: Layout plan of entries in Initial Variety Trial– Boro, (IVT -Boro) 2024-25

Replication 1 Plot No. / Entry No.	Replication 2 Plot No. / Entry No	Replication 3 Plot No. / Entry No
101 / 2122	201 /2105	301 /2112
102 /2105	202 /2112	302 /2109
103 / 2102	203 /2111	303 /2117
104 / 2115	204 /2124	304 /2118
105 /2121	205 /2103	305 /2130 (LC)
106 / 2114	206 /2121	306 /2123
107 / 2111	207 /2106	307 /2126
108 / 2124	208 /2107	308 /2125
109 / 2108	209 /2113	309 /2119
110 / 2120	210 /2101	310 /2113
111 / 2110	211 /2127	311 /2101
112 / 2126	212 /2120	312 /2129
113 / 2112	213 /2125	313 /2102
114 /2130 (LC)	214 /2119	314 /2120
115 /2117	215 /2126	315 /2106
116 / 2118	216 /2129	316 /2124
117 / 2103	217 /2117	317 /2128
118 /2119	218 /2110	318 /2108
119 / 2127	219 /2116	319 /2122
120 / 2125	220 /2118	320 /2110
121 / 2129	221 /2104	321 /2104
122 / 2106	222 /2123	322 /2103
123 / 2104	223 /2115	323 /2114
124 / 2123	224 /2109	324 /2107
125 / 2109	225 /2102	325 /2111
126 / 2116	226 /2108	326 /2116
127 / 2113	227 /2122	327 /2121
128 / 2101	228 /2114	328 /2105
129 / 2107	229 /2128	329 /2127
130 / 2128	230 /2130 (LC)	330 /2115

Zone-III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Rabi 2024-25

1.	**Trial No.**	**22**
2	Name of the trial:	Advanced Variety Trial & Initial Variety Trial – Early–Transplanted (AVT & IVT- E-TP)
3	Objective:	To study the comparative performance of early elite cultures in Rabi transplanted
		irrigated conditions
4	Locations:	18 (5 for zone III)
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• On the basis of soil type and recommended agronomic practices at the location. • Entire P, K and 25% N as basal, 50% N after 25 days planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	**10 sqm (This should be strictly followed)**
10	Spacing:	20 cm between rows 15 cm between plants
11	No. of entries:	33 (33 for zone III)
12	Check varieties:	**National**: CO-51; **Zonal**: Narendra 97 (Eastern), MTU 1153 (Southern); and Local Check.
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield,		

Trial No.22: Layout plan of entries in Advance and Initial Variety Trial - Early Transplanted (AVT & IVT-E TP), Rabi 2024-25

Replication 1 Plot No./ Entry No.	Replication 2 Plot No./ Entry No.	Replication 3 Plot No./ Entry No.
101/2202	201/2232	301/2229
102/2203	202/2233	302/2230
103/2204	203/2235 (LC)	303/2231
104/2205	204/2202	304/2232
105/2206	205/2203	305/2233
106/2207	206/2204	306/2235 (LC)
107/2208	207/2205	307/2202
108/2209	208/2206	308/2203
109/2210	209/2207	309/2204
110/2211	210/2208	310/2205
111/2212	211/2209	311/2206
112/2213	212/2210	312/2207
113/2214	213/2211	313/2208
114/2215	214/2212	314/2209
115/2216	215/2213	315/2210
116/2217	216/2214	316/2211
117/2218	217/2215	317/2212
118/2219	218/2216	318/2213
119/2220	219/2217	319/2214
120/2221	220/2218	320/2215
121/2222	221/2219	321/2216
122/2223	222/2220	322/2217
123/2224	223/2221	323/2218
124/2225	224/2222	324/2219
125/2226	225/2223	325/2220
126/2227	226/2224	326/2221
127/2228	227/2225	327/2222
128/2229	228/2226	328/2223
129/2230	229/2227	329/2224
130/2231	230/2228	330/2225
131/2232	231/2229	331/2226
132/2233	232/2230	332/2227
133/2235 (LC)	233/2231	333/2228

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Rabi 2024-25

1.	**Trial No.**	**22**
2	Name of the trial:	Advanced Variety Trial & Initial Variety Trial – Early –Transplanted (AVT&IVT- E-TP)
3	Objective:	To study the comparative performance of early elite cultures in Rabi transplanted
		irrigated conditions
4	Locations:	18 (13 for zone VII)
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• On the basis of soil type and recommended agronomic practices at the location. • Entire P, K and 25% N as basal, 50% N after 25 days planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	**10 sqm (This should be strictly followed)**
10	Spacing:	20 cm between rows 15 cm between plants
11	No. of entries:	33 (33 for zone VII)
12	Check varieties:	**National**: CO-51; **Zonal**: Narendra 97 (Eastern), MTU 1153 (Southern); and Local Check.
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield,		

Trial No.22: Layout plan of entries in Advance and Initial Variety Trial - Early Transplanted (AVT & IVT-E TP), Rabi 2024-25

Replication 1 Plot No./ Entry No.	Replication 2 Plot No./ Entry No.	Replication 3 Plot No./ Entry No.
101/2201	201/2233	301/2230
102/2202	202/2234	302/2231
103/2203	203/2235 (LC)	303/2232
104/2204	204/2201	304/2233
105/2207	205/2202	305/2234
106/2208	206/2203	306/2235 (LC)
107/2209	207/2204	307/2201
108/2210	208/2207	308/2202
109/2211	209/2208	309/2203
110/2212	210/2209	310/2204
111/2213	211/2210	311/2207
112/2214	212/2211	312/2208
113/2215	213/2212	313/2209
114/2216	214/2213	314/2210
115/2217	215/2214	315/2211
116/2218	216/2215	316/2212
117/2219	217/2216	317/2213
118/2220	218/2217	318/2214
119/2221	219/2218	319/2215
120/2222	220/2219	320/2216
121/2223	221/2220	321/2217
122/2224	222/2221	322/2218
123/2225	223/2222	323/2219
124/2226	224/2223	324/2220
125/2227	225/2224	325/2221
126/2228	226/2225	326/2222
127/2229	227/2226	327/2223
128/2230	228/2227	328/2224
129/2231	229/2228	329/2225
130/2232	230/2229	330/2226
131/2233	231/2230	331/2227
132/2234	232/2231	332/2228
133/2235 (LC)	233/2232	333/2229

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Experiment No.:	**23**
2	Name of the trial:	**Advance Variety Trial 2 &1 & Initial Variety Trial-Irrigated Early (Hills) –AVT 2&1 & IVT-E (H)**
3	Objective:	To study the comparative performance of elite early duration cold tolerant cultures under irrigated condition in hills
4	Locations:	16
5	Layout:	Randomized Block Design (RBD)
6	Replications:	2
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need based
9	Plot size:	**10 sq m(This should be strictly followed)**
10	Spacing:	20 x 15 cm
11	No. of entries:	28
12	Check varieties:	**National**: Vivekdhan 86, **Zonal**: Shalimar Rice 3 and Local Check
13	General instructions:	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (Days) • Days to maturity (Days) • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 2.5 t/ha, kindly offer an explanation for the low yield.		

Trial No. 23: Layout plan of entries in Advance Variety Trial 2&1 & Initial Variety Trial- Irrigated Early (Hills) – AVT 2&1 & IVT-E (H), Kharif 2025

Replication 1 Plot No. / Entry No.	Replication 2 Plot No. / Entry No.
101 /2316	201 /2312
102 /2318	202 /2317
103 /2328 (LC)	203 /2309
104 /2303	204 /2319
105 /2307	205 /2325
106 /2327	206 /2306
107 /2302	207 /2311
108 /2317	208 /2327
109 /2325	209 /2308
110 /2324	210 /2307
111 /2310	211 /2315
112 /2326	212 /2321
113 /2311	213 /2328 (LC)
114 /2305	214 /2314
115 /2312	215 /2304
116 /2304	216 /2316
117 /2315	217 /2310
118 /2319	218 /2313
119 /2314	219 /2318
120 /2308	220 /2301
121 /2301	221 /2323
122 /2306	222 /2322
123 /2321	223 /2305
124 /2322	224 /2326
125 /2309	225 /2320
126 /2320	226 /2303
127 /2323	227 /2302
128 /2313	228 /2324

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Experiment No.:	**24**
2	Name of the trial:	**Advance Variety Trial 2 & 1 & Initial Variety Trial -Medium (Hills) – AVT 2 & 1 & IVT- M (H)-Irrigated**
3	Objective:	To study the comparative performance of elite medium duration cold tolerant cultures under irrigated condition in hills
4	Locations:	18
5	Layout:	Randomized Block Design (RBD)
6	Replications:	2
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need based
9	Plot size:	**15 sq m(This should be strictly followed)**
10	Spacing:	20 x 15 cm
11	No. of entries:	31
12	Check varieties:	**National**: Vivekdhan 62, **Zonal**: VL Dhan 68 (North & South), RC Maniphou-11 (North East) and Local Check
13	General instructions:	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (Days) • Days to maturity (Days) • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 2.5 t/ha, kindly offer an explanation for the low yield.		

Trial No.24: Layout plan of entries in Advance Variety Trial 2 & 1 & Initial Variety Trial -Medium (Hills) – AVT 2 & 1 & IVT- M (H)-Kharif 2025

Replication 1 Plot No. / Entry No.	Replication 2 Plot No. / Entry No.
101 /2424	201 /2428
102 /2414	202 /2402
103 /2425	203 /2427
104 /2415	204 /2420
105 /2426	205 /2425
106 /2417	206 /2423
107 /2407	207 /2430
108 /2431 (LC)	208 /2407
109 /2403	209 /2414
110 /2409	210 /2404
111 /2422	211 /2401
112 /2416	212 /2405
113 /2406	213 /2411
114 /2402	214 /2421
115 /2408	215 /2419
116 /2413	216 /2429
117 /2421	217 /2431 (LC)
118 /2429	218 /2422
119 /2427	219 /2418
120 /2430	220 /2412
121 /2419	221 /2408
122 /2428	222 /2415
123 /2420	223 /2417
124 /2418	224 /2409
125 /2412	225 /2424
126 /2404	226 /2426
127/2405	227/2406
128/2401	228/2416
129/2410	229/2413
130/2423	230/2410
131/2411	231/2403

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Experiment No.	**25**
2	Name of the trial:	**Initial Variety Trial-Upland (Hills) –IVT-U (H)**
3	Objective:	To study the comparative performance of elite medium duration cold tolerant cultures under rainfed upland condition in hills
4	Locations:	12
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need based
9	Plot size:	**10 Sq m(This should be strictly followed)**
10	Spacing:	20 X 15 cm
11	No. of entries:	13
12	Check varieties:	**National**: Sukaradhan 1, **Zonal**: VL Dhan 158 (North & South), Bhalum-1 (North East) and Local Check
13	General instructions:	• Sow the seedbed as thin as possible • Gap fill within a week of sowing • Incorporate fertilizer evenly • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (Days) • Days to maturity (Days) • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 2.0 t/ha, kindly offers an explanation for the low yield.		

Trial No. 25: Layout plan of entries in Initial Variety Trial-Upland (Hills) –IVT-U (H), Kharif 2025

Replication 1 Plot No. / Entry No.	Replication 2 Plot No. / Entry No.	Replication 3 Plot No. / Entry No.
101 /2510	201 /2511	301 /2504
102 /2502	202 /2504	302 /2512
103 /2511	203 /2513 (LC)	303 /2502
104 /2506	204 /2501	304 /2511
105 /2505	205 /2508	305 /2513 (LC)
106 /2512	206 /2510	306 /2507
107 /2503	207 /2509	307 /2503
108 /2501	208 /2502	308 /2506
109 /2513 (LC)	209 /2512	309 /2510
110/2507	210/2505	310/2509
111/2509	211/2507	311/2508
112/2508	212/2503	312/2505
113/2504	213/2506	313/2501

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Experiment No.	**26**
Name of the trial:	**Advance Variety Trial 2 &1, Initial Variety Trial-Japonica (AVT 2 &1, IVT-J)**
Objective:	To evaluate comparative performance of japonicas for yield and quality characteristics.
Locations:	8
Layout:	Randomized Block Design (RBD)
Replications:	4
Fertilizer:	As per the recommendation of the centre
Plant protection:	Need-based
Plot size:	**10 sqm (This should be strictly followed)**
Spacing:	20 cm between rows 15 cm between plants
No. of entries:	8
Check Varieties:	**Shalimar Rice-5, Varundhan, Bhrigudhan and Local check.**
General instructions:	• Sow the seedbed as thin as possible. • Transplant 25 days old seedlings. • Transplant seedlings very shallow. • Gap fill within a week of transplanting. • Incorporate fertilizers evenly
Data to be collected:	• Plant height (cm) • Days to 50% flowering (No.) • Days to maturity (No.) • Panicles/sq m (No.) • Panicle length (cm) • Panicle weight (g) • Sterility percentage • Test weight (g) • Grain yield (kg/plot) • Score on incidence of pest/disease in field and also conditions, if available
When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield,	

Trial No. 26: Layout plan of entries in Advance Variety Trial 2 &1, Initial Variety Trial-Japonica (AVT 2 &1, IVT-J), Kharif 2025

Replication 1 Plot No. / Entry No.	Replication 2 Plot No. / Entry No.	Replication 3 Plot No. / Entry No	Replication 4 Plot No. / Entry No
101 /2605	201 /2606	301 /2602	401/2608 (LC)
102 /2603	202 /2601	302 /2607	402 /2605
103 /2604	203 /2605	303/2608(LC)	403 /2603
104 /2601	204 /2607	304 /2603	404 /2602
105 /2606	205 /2604	305 /2601	405 /2604
106/2602	206/2608 (LC)	306 /2605	406 /2607
107/2607	207 /2602	307 /2604	407 /2606
108/2608 (LC)	208/2603	308/2606	408 /2601

ZONE II

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1.	Trial No.	**33**
2	Name of the trial:	**Advance Variety Trial – Early –Transplanted (AVT 2 & 1 – E TP) – Zone II**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	47 **(5 Locations for Zone II)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	On the basis of soil type and recommended agronomic practices at the location. Entire P and K as basal plus N 25% basal, 50% N 20 days after planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	15 sq m
10	Spacing:	20 cm between rows; 10 cm between plants
11	No. of entries:	27 **(14 Entries for Zone II)**
12	Check varieties:	**National**: CO51, **Zonal**: PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sahbagidhan (Central & Western) MTU 1153 (Southern), **Hybrid**: US 314 and **Local Check.**
13	General instructions:	• Gap fillone week after planting. • Weeding as and when needed. • Control the pest and disease incidence
14	Data to be collected:	• Days to 50% flowering • Plant height (cm) • No. of productive tillers/ sq.m. • Grain yield kg/plot (net plot size basis) • Rainfall data: Number of rainy days, • Rainfall during the crop growth, • Maximum and minimum temperature.
• When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

Trial No.33: Layout plan of entries in Advance Variety Trial - Early Transplanted (Zone II) (AVT 2 & 1 – E TP), Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3301	201/3323	301/3318
102/3305	202/3327 (LC)	302/3320
103/3306	203/3301	303/3321
104/3307	204/3305	304/3323
105/3308	205/3306	305/3327 (LC)
106/3309	206/3307	306/3301
107/3311	207/3308	307/3305
108/3313	208/3309	308/3306
109/3314	209/3311	309/3307
110/3318	210/3313	310/3308
111/3320	211/3314	311/3309
112/3321	212/3318	312/3311
113/3323	213/3320	313/3313
114/3327 (LC)	214/3321	314/3314

ZONE III

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Kharif 2025

1.	Trial No.	**33**
2	Name of the trial:	**Advance Variety Trial – Early –Transplanted (AVT 2 & 1 – E TP) – Zone III**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	47 **(13 Locations for Zone III)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	On the basis of soil type and recommended agronomic practices at the location. Entire P and K as basal plus N 25% basal, 50% N 20 days after planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	15 sq m
10	Spacing:	20 cm between rows; 10 cm between plants
11	No. of entries:	27 **(15 Entries for Zone III)**
12	Check varieties:	**National**: CO51, **Zonal**: PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sahbagidhan (Central & Western) MTU 1153 (Southern), **Hybrid**: US 314 and **Local Check.**
13	General instructions:	• Gap fill one week after planting. • Weeding as and when needed. • Control the pest and disease incidence
14	Data to be collected:	• Days to 50% flowering • Plant height (cm) • No. of productive tillers/ sq.m. • Grain yield kg/plot (net plot size basis) • Rainfall data: Number of rainy days, • Rainfall during the crop growth, • Maximum and minimum temperature.
• When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

Trial No.33: Layout plan of entries in Advance Variety Trial - Early Transplanted (Zone III) (AVT 2 & 1 – E TP), Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3301	201/3327 (LC)	301/3309
102/3304	202/3301	302/3311
103/3305	203/3304	303/3313
104/3306	204/3305	304/3301
105/3307	205/3306	305/3304
106/3308	206/3307	306/3305
107/3309	207/3308	307/3306
108/3311	208/3309	308/3307
109/3313	209/3311	309/3308
110/3314	210/3313	310/3314
111/3318	211/3314	311/3318
112/3320	212/3318	312/3320
113/3321	213/3320	313/3321
114/3326	214/3321	314/3327 (LC)
115/3327 (LC)	215/3326	315/3326

Zone IV

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1.	Trial No.	**33**
2	Name of the trial:	**Advance Variety Trial – Early – Transplanted (AVT 2 & 1 – E TP) – Zone IV**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	47 **(3 Locations for Zone IV)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	On the basis of soil type and recommended agronomic practices at the location. Entire P and K as basal plus N 25% basal, 50% N 20 days after planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	15 sq m
10	Spacing:	20 cm between rows; 10 cm between plants
11	No. of entries:	27 **(15 Entries for Zone IV)**
12	Check varieties:	**National**: CO51, **Zonal**: PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sahbagidhan (Central & Western) MTU 1153 (Southern), **Hybrid**: US 314 and **Local Check.**
13	General instructions:	• Gap fillone week after planting. • Weeding as and when needed. • Control the pest and disease incidence
14	Data to be collected:	• Days to 50% flowering • Plant height (cm) • No. of productive tillers/ sq.m. • Grain yield kg/plot (net plot size basis) • Rainfall data: Number of rainy days, • Rainfall during the crop growth, • Maximum and minimum temperature.
When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

Trial No.33: Layout plan of entries in Advance Variety Trial - Early Transplanted (Zone IV) (AVT 2 & 1 – E TP), Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3302	201/3327 (LC)	301/3324
102/3305	202/3325	302/3325
103/3306	203/3302	303/3327 (LC)
104/3307	204/3305	304/3321
105/3308	205/3306	305/3302
106/3309	206/3307	306/3305
107/3311	207/3308	307/3306
108/3313	208/3309	308/3307
109/3314	209/3311	309/3308
110/3318	210/3313	310/3309
111/3320	211/3314	311/3311
112/3321	212/3318	312/3313
113/3324	213/3320	313/3314
114/3325	214/3321	314/3318
115/3327 (LC)	215/3324	315/3320

ZONE-V

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Kharif 2025

1.	Trial No.	**33**
2	Name of the trial:	**Advance Variety Trial – Early –Transplanted (AVT 2 & 1 – E TP) – Zone V**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	47 **(6 Locations for Zone V)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	On the basis of soil type and recommended agronomic practices at the location. Entire P and K as basal plus N 25% basal, 50% N 20 days after planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	15 sq m
10	Spacing:	20 cm between rows; 10 cm between plants
11	No. of entries:	27 **(16 Entries for Zone V)**
12	Check varieties:	**National**: CO51, **Zonal**: PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sahbagidhan (Central & Western) MTU 1153 (Southern), **Hybrid**: US 314 and **Local Check.**
13	General instructions:	• Gap fillone week after planting. • Weeding as and when needed. • Control the pest and disease incidence
14	Data to be collected:	• Days to 50% flowering • Plant height (cm) • No. of productive tillers/ sq.m. • Grain yield kg/plot (net plot size basis) • Rainfall data: Number of rainy days, • Rainfall during the crop growth, • Maximum and minimum temperature.
• When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

Trial No.33: Layout plan of entries in Advance Variety Trial - Early Transplanted (Zone V) (AVT 2 & 1 – E TP), Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3305	201/3323	301/3321
102/3306	202/3305	302/3322
103/3307	203/3306	303/3323
104/3308	204/3307	304/3305
105/3309	205/3308	305/3306
106/3311	206/3309	306/3307
107/3312	207/3311	307/3308
108/3313	208/3312	308/3309
109/3314	209/3313	309/3311
110/3316	210/3314	310/3312
111/3318	211/3316	311/3313
112/3320	212/3318	312/3314
113/3321	213/3320	313/3316
114/3322	214/3321	314/3327 (LC)
115/3323	215/3327 (LC)	315/3320
116/3327 (LC)	216/3322	316/3318

ZONE-VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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Kharif 2025

1.	Trial No.	**33**
2	Name of the trial:	**Advance Variety Trial – Early – Transplanted (AVT 2 & 1 – E TP) – Zone VI**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	47 **(4 Locations for Zone VI)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	On the basis of soil type and recommended agronomic practices at the location. Entire P and K as basal plus N 25% basal, 50% N 20 days after planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	15 sq m
10	Spacing:	20 cm between rows; 10 cm between plants
11	No. of entries:	27 **(13 Entries for Zone VI)**
12	Check varieties:	**National**: CO51, **Zonal**: PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sahbagidhan (Central & Western) MTU 1153 (Southern), **Hybrid**: US 314 and **Local Check.**
13	General instructions:	• Gap fill one week after planting. • Weeding as and when needed. • Control the pest and disease incidence
14	Data to be collected:	• Days to 50% flowering • Plant height (cm) • No. of productive tillers/ sq.m. • Grain yield kg/plot (net plot size basis) • Rainfall data: Number of rainy days, • Rainfall during the crop growth, • Maximum and minimum temperature.
• When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

Trial No.33: Layout plan of entries in Advance Variety Trial - Early Transplanted (Zone VI) (AVT 2 & 1 – E TP), Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3305	201/3321	301/3314
102/3306	202/3322	302/3318
103/3307	203/3327 (LC)	303/3320
104/3308	204/3305	304/3321
105/3309	205/3306	305/3322
106/3311	206/3307	306/3327 (LC)
107/3313	207/3308	307/3305
108/3314	208/3309	308/3306
109/3318	209/3311	309/3307
110/3320	210/3313	310/3308
111/3321	211/3314	311/3309
112/3322	212/3318	312/3311
113/3327 (LC)	213/3320	313/3313

ZONE-VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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Kharif 2025

1.	Trial No.	**33**
2	Name of the trial:	**Advance Variety Trial – Early – Transplanted (AVT 2 & 1 – E TP) – Zone VII**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	47 **(16 Locations for Zone VII)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	On the basis of soil type and recommended agronomic practices at the location. Entire P and K as basal plus N 25% basal, 50% N 20 days after planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	15 sq m
10	Spacing:	20 cm between rows; 10 cm between plants
11	No. of entries:	27 **(17 Entries for Zone VII)**
12	Check varieties:	**National**: CO51, **Zonal**: PR 124 (Northern) Narendra 97 (Eastern) Luit (North Eastern) Sahbagidhan (Central & Western) MTU 1153 (Southern), **Hybrid**: US 314 and **Local Check.**
13	General instructions:	• Gap fillone week after planting. • Weeding as and when needed. • Control the pest and disease incidence
14	Data to be collected:	• Days to 50% flowering • Plant height (cm) • No. of productive tillers/ sq.m. • Grain yield kg/plot (net plot size basis) • Rainfall data: Number of rainy days, • Rainfall during the crop growth, • Maximum and minimum temperature.
• When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

Trial No.33: Layout plan of entries in Advance Variety Trial - Early Transplanted (Zone VII) (AVT 2 & 1 – E TP), Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3303	201/3320	301/3318
102/3305	202/3321	302/3319
103/3306	203/3303	303/3320
104/3307	204/3305	304/3321
105/3308	205/3306	305/3303
106/3309	206/3307	306/3305
107/3310	207/3308	307/3306
108/3311	208/3309	308/3307
109/3313	209/3310	309/3308
110/3314	210/3311	310/3309
111/3315	211/3313	311/3310
112/3317	212/3314	312/3311
113/3318	213/3315	313/3313
114/3319	214/3317	314/3314
115/3320	215/3318	315/3315
116/3321	216/3319	316/3317
117/3327 (LC)	217/3327 (LC)	317/3327 (LC)

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1.	Trial No.	**34**
2	Name of the trial:	**Initial Variety Trial – Early –Transplanted (IVT – E TP)**
3	Objective:	To study the comparative performance of early elite cultures in transplanted irrigated conditions
4	Locations:	52
5	Layout:	Simple Lattice Design
6	Replications:	2
7	Fertilizers:	• On the basis of soil type and recommended agronomic practices at the location. • Entire P, K and 25% N as basal, 50% N after 25 days planting and 25% at reproductive stage.
8	Plant protection:	Need-based
9	Plot size:	**10 sq m (This should be strictly followed)**
10	Spacing:	20 cm between rows; 15 cm between plants
11	No. of entries:	64
12	Check varieties:	**National**: CO-51, **Zonal**: PR 124 (Northern), Narendra 97 (Eastern), Luit (North Eastern), Sahbhagidhan (Central & Western), MTU 1153 (Southern) and **Local Check**.
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle • (Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) • 1 = >95% pure • 2 = 80-95% pure • 3 = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 4t/ha, kindly offer an explanation for the low yield		

Trial No.34: Layout plan of entries in Initial Variety Trial - Early Transplanted (IVT – E TP), Kharif 2025

REPLICATION-I

101/3417	109/3459	117/3435	125/3406	133/3412	141/3455	149/3430	157/3409
102/3422	110/3452	118/3454	126/3447	134/3445	142/3410	150/3405	158/3427
103/3433	111/3413	119/3414	127/3431	135/3425	143/3411	151/3439	159/3451
104/3416	112/3419	120/3437	128/3426	136/3415	144/3449	152/3462	160/3440
105/3407	113/3432	121/3460	129/3448	137/3404	145/3444	153/3428	161/3403
106/3463	114/3443	122/3424	130/3458	138/3446	146/3457	154/3401	162/3434
107/3450	115/3441	123/3420	131/3402	139/3436	147/3421	155/3453	163/3423
108/3442	116/3456	124/3408	132/3464 (LC)	140/3429	148/3461	156/3418	164/3438

REPLICATION-II

201/3403	209/3438	217/3423	225/3435	233/3409	241/3451	249/3427	257/3440
202/3460	210/3408	218/3420	226/3424	234/3434	242/3414	250/3454	258/3437
203/3428	211/3418	219/3453	227/3401	235/3430	243/3439	251/3405	259/3462
204/3432	212/3456	220/3441	228/3443	236/3459	244/3413	252/3452	260/3419
205/3444	213/3461	221/3421	229/3457	237/3455	245/3411	253/3410	261/3449
206/3448	242/3464 (LC)	222/3402	230/3458	238/3406	246/3431	254/3447	262/3426
207/3407	215/3442	223/3450	231/3463	239/3417	247/3433	255/3422	263/3416
208/3404	216/3429	224/3436	232/3446	240/3412	248/3425	256/3445	264/3415

Zone II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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1.	Trial No.	**35**
2	Name of the trial:	**Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME)- Zone II**
3	Objective:	To study the comparative performance of mid-early duration elite cultures and hybrids in irrigated areas
4	Locations:	49 **(6 Locations for Zone II)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre.
8	Plant protection:	Need-based
9	Plot size:	**15 sq.m (This should be strictly followed**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	32 **(17 Entries for Zone II)**
12	Check varieties:	**National** : Gontra Bidhan-3; **Zonal** : PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010(Central & Southern) ,Karjat 7(Western)); **Hybrid**: US 312 and **Local check.**
13	General Instruction	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) • = >95% pure • =80-95% pure • = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No.35: Layout plan of entries in Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) ZONE – II

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3502	201/3524	301/3524
102/3506	202/3525	302/3508
103/3508	203/3526	303/3525
104/3512	204/3502	304/3526
105/3516	205/3506	305/3502
106/3519	206/3508	306/3506
107/3521	207/3512	307/3527
108/3522	208/3516	308/3528
109/3523	209/3519	309/3512
110/3524	210/3530	310/3516
111/3525	211/3531	311/3519
112/3526	212/3521	312/3530
113/3527	213/3522	313/3531
114/3528	214/3523	314/3521
115/3530	215/3527	315/3532 (LC)
116/3531	216/3528	316/3523
117/3532 (LC)	217/3532 (LC)	317/3522

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1.	Trial No.	**35**
2	Name of the trial:	**Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) - Zone III**
3	Objective:	To study the comparative performance of mid-early duration elite cultures and hybrids in irrigated areas
4	Locations:	49 **(11 Locations for Zone III)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre.
8	Plant protection:	Need-based
9	Plot size:	**15 sq.m (This should be strictly followed**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	32 **(26 Entries for Zone III)**
12	Check varieties:	**National**: Gontra Bidhan-3; **Zonal**: PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010 (Central & Southern), Karjat 7(Western)); **Hybrid**: US 312 and **Local check.**
13	General instructions:	• Sow the seed in seedbed as thin as possibl • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle(Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No.35: Layout plan of entries in Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) ZONE- III

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3503	201/3532 (LC)	301/3530
102/3504	202/3503	302/3531
103/3505	203/3504	303/3532 (LC)
104/3506	204/3505	304/3503
105/3508	205/3506	305/3504
106/3509	206/3508	306/3505
107/3510	207/3509	307/3506
108/3512	208/3510	308/3508
109/3514	209/3512	309/3509
110/3515	210/3514	310/3510
111/3516	211/3515	311/3512
112/3517	212/3516	312/3514
113/3518	213/3517	313/3515
114/3519	214/3518	314/3516
115/3520	215/3519	315/3519
116/3521	216/3520	316/3518
117/3522	217/3521	317/3517
118/3523	218/3522	318/3520
119/3524	219/3523	319/3521
120/3526	220/3524	320/3522
121/3527	221/3526	321/3523
122/3528	222/3527	322/3524
123/3529	223/3528	323/3526
124/3530	224/3529	324/3527
125/3531	225/3530	325/3528
126/3532 (LC)	226/3531	326/3529

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1.	Trial No.	**35**
2	Name of the trial:	**Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) - Zone IV**
3	Objective:	To study the comparative performance of mid-early duration elite cultures and hybrids in irrigated areas
4	Locations:	49 **(3 Locations for Zone IV)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre.
8	Plant protection:	Need-based
9	Plot size:	**15 sq.m (This should be strictly followed**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	32 **(18 Entries for Zone IV)**
12	Check varieties:	**National**: Gontra Bidhan-3; **Zonal**: PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010 (Central & Southern), Karjat 7(Western)); **Hybrid**: US 312 and **Local check.**
13	General instructions:	• Sow the seed in seedbed as thin as possibl • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle(Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No.35: Layout plan of entries in Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) ZONE- IV

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3502	201/3531	301/3528
102/3503	202/3532 (LC)	302/3530
103/3507	203/3502	303/3531
104/3508	204/3503	304/3532 (LC)
105/3509	205/3507	305/3502
106/3512	206/3508	306/3503
107/3516	207/3509	307/3507
108/3519	208/3512	308/3508
109/3521	209/3516	309/3509
110/3522	210/3519	310/3512
111/3523	211/3521	311/3516
112/3524	212/3522	312/3519
113/3526	213/3523	313/3521
114/3527	214/3524	314/3522
115/3528	215/3526	315/3526
116/3530	216/3527	316/3524
117/3531	217/3528	317/3523
118/3532 (LC)	218/3530	318/3527

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1.	Trial No.	**35**
2	Name of the trial:	**Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) - Zone V**
3	Objective:	To study the comparative performance of mid-early duration elite cultures and hybrids in irrigated areas
4	Locations:	49 **(7 Locations for Zone V)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre.
8	Plant protection:	Need-based
9	Plot size:	**15 sq.m (This should be strictly followed**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	32 **(19 Entries for Zone V)**
12	Check varieties:	**National**: Gontra Bidhan-3; **Zonal**: PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010 (Central & Southern), Karjat 7(Western)); **Hybrid**: US 312 and **Local check.**
13	General instructions:	• Sow the seed in seedbed as thin as possibl • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle(Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No.35: Layout plan of entries in Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) ZONE-V

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3501	201/3532 (LC)	301/3530
102/3502	202/3501	302/3531
103/3503	203/3502	303/3532 (LC)
104/3505	204/3503	304/3501
105/3506	205/3505	305/3502
106/3508	206/3506	306/3503
107/3512	207/3508	307/3505
108/3516	208/3512	308/3506
109/3519	209/3516	309/3508
110/3521	210/3519	310/3512
111/3522	211/3521	311/3516
112/3523	212/3522	312/3519
113/3524	213/3523	313/3521
114/3526	214/3524	314/3522
115/3527	215/3526	315/3526
116/3528	216/3527	316/3524
117/3530	217/3528	317/3523
118/3531	218/3530	318/3527
119/3532 (LC)	219/3531	319/3528

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1.	Trial No.	**35**
2	Name of the trial:	**Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) - Zone VI**
3	Objective:	To study the comparative performance of mid-early duration elite cultures and hybrids in irrigated areas
4	Locations:	49 **(6 Locations for Zone VI)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre.
8	Plant protection:	Need-based
9	Plot size:	**15 sq.m (This should be strictly followed**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	32 **(16 Entries for Zone VI)**
12	Check varieties:	**National**: Gontra Bidhan-3; **Zonal**: PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010 (Central & Southern), Karjat 7(Western)); **Hybrid**: US 312 and **Local check.**
13	General instructions:	• Sow the seed in seedbed as thin as possibl • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle(Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No.35: Layout plan of entries in Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) ZONE-VI

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3502	201/3531	301/3530
102/3506	202/3532 (LC)	302/3531
103/3508	203/3502	303/3532 (LC)
104/3512	204/3506	304/3502
105/3516	205/3508	305/3506
106/3519	206/3512	306/3508
107/3521	207/3516	307/3512
108/3522	208/3519	308/3516
109/3523	209/3521	309/3519
110/3524	210/3522	310/3521
111/3526	211/3523	311/3522
112/3527	212/3524	312/3523
113/3528	213/3526	313/3524
114/3530	214/3527	314/3526
115/3531	215/3528	315/3527
116/3532 (LC)	216/3530	316/3528

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1.	Trial No.	**35**
2	Name of the trial:	**Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) - Zone VII**
3	Objective:	To study the comparative performance of mid-early duration elite cultures and hybrids in irrigated areas
4	Locations:	49 **(16 Locations for Zone VII)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre.
8	Plant protection:	Need-based
9	Plot size:	**15 sq.m (This should be strictly followed**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	32 **(16 Entries for Zone VII)**
12	Check varieties:	**National**: Gontra Bidhan-3; **Zonal**: PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010 (Central & Southern), Karjat 7(Western)); **Hybrid**: US 312 and **Local check.**
13	General instructions:	• Sow the seed in seedbed as thin as possibl • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle(Mean of 5 panicles each entry) • Spikelet Fertility % (SPF) • Purity score: (UNI) ➢ = >95% pure ➢ =80-95% pure ➢ = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No.35: Layout plan of entries in Advance Variety Trial – Irrigated Mid Early (AVT 2 & 1 - IME) ZONE – VII

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3508	201/3531	301/3527
102/3511	202/3532 (LC)	302/3528
103/3512	203/3508	303/3530
104/3513	204/3511	304/3531
105/3516	205/3512	305/3532 (LC)
106/3519	206/3513	306/3508
107/3521	207/3516	307/3511
108/3522	208/3519	308/3512
109/3523	209/3521	309/3513
110/3524	210/3522	310/3516
111/3526	211/3523	311/3519
112/3527	212/3524	312/3521
113/3528	213/3526	313/3522
114/3530	214/3527	314/3523
115/3531	215/3528	315/3524
116/3532 (LC)	216/3530	316/3526

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1.	Trial No.	**36**
2	Name of the trial:	**Initial Variety Trial – Irrigated Mid Early (IVT - IME)**
3	Objective:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Locations:	49
5	Layout:	Simple Lattice design
6	Replications:	2
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	**10 sq.m (This should be strictly followed)**
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	64
12	Check varieties:	**National**: Gontra Bidhan-3; **Zonal**: PR 113 (Northern), Lalat (Eastern & North-Eastern), MTU 1010 (Central & Southern), Karjat 7 (Western)) and **Local check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days)Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No. 36: Layout plan of entries in Initial Variety Trial – Irrigated Mid Early,(IVT - IME), Kharif 2025

REPLICATION-I

101/3617	109/3659	117/3634	125/3606	133/3612	141/3655	149/3630	157/3609
102/3622	110/3652	118/3654	126/3647	134/3645	142/3610	150/3605	158/3627
103/3633	111/3613	119/3614	127/3631	135/3625	143/3611	151/3639	159/3651
104/3616	112/3619	120/3637	128/3626	136/3615	144/3649	152/3662	160/3640
105/3607	113/3632	121/3660	129/3648	137/3604	145/3644	153/3628	161/3603
106/3663	114/3643	122/3624	130/3658	138/3646	146/3657	154/3601	162/3635
107/3650	115/3641	123/3620	131/3602	139/3638	147/3621	155/3653	163/3623
108/3642	116/3656	124/3608	132/3664 (LC)	140/3629	148/3661	156/3618	164/3636

REPLICATION-II

201/3603	209/3638	217/3623	225/3635	233/3609	241/3651	249/3627	257/3640
202/3660	210/3608	218/3620	226/3624	234/3634	242/3614	250/3654	258/3637
203/3628	211/3618	219/3653	227/3601	235/3630	243/3639	251/3605	259/3662
204/3632	212/3656	220/3641	228/3643	236/3659	244/3613	252/3652	260/3619
205/3644	213/3661	221/3621	229/3657	237/3655	245/3611	253/3610	261/3649
206/3648	242/3664 (LC)	222/3602	230/3658	238/3606	246/3631	254/3647	262/3626
207/3607	215/3642	223/3650	231/3663	239/3617	247/3633	255/3622	263/3616
208/3604	216/3629	224/3636	232/3646	240/3612	248/3625	256/3645	264/3615

ZONE- II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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TELANGANA, KHARIF 2025

1.	Trial No.	**37**
2	Name of the trial:	**Advance Variety Trial – Irrigated Medium (AVT 2 & 1 - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures and hybrids in irrigated areas
4	Locations:	48 **(6 Locations for Zone II)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	44 **(12 Entries for Zone II)**
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern); **Hybrid:** HRI 174 and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.37: Layout plan of entries in Advance Variety Trial - Irrigated Medium (AVT 2 & 1 - IM), Kharif 2025 (Zone-II)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3709	201/3736	301/3733
102/3718	202/3741	302/3734
103/3720	203/3744 (LC)	303/3735
104/3724	204/3709	304/3736
105/3725	205/3718	305/3741
106/3732	206/3720	306/3744 (LC)
107/3733	207/3724	307/3709
108/3734	208/3725	308/3718
109/3735	209/3732	309/3720
110/3736	210/3733	310/3724
111/3741	211/3734	311/3725
112/3744 (LC)	212/3735	312/3732

Note: Total No. of entries in the trial are 44; For Zone-II only 12 entries are included.

ZONE- III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH RAJENDRANAGAR, HYDERABAD – 500 030, TELANGANA, KHARIF 2025

1.	Trial No.	**37**
2	Name of the trial:	**Advance Variety Trial – Irrigated Medium (AVT 2 & 1 - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures and hybrids in irrigated areas
4	Locations:	48 **(11 Locations for Zone III)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	44 **(30 Entries for Zone III)**
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern); **Hybrid:** HRI 174 and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days)Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.37: Layout plan of entries in Advance Variety Trial - Irrigated Medium (AVT 2 & 1 - IM), Kharif 2025 (Zone-III)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3701	201/3705	301/3736
102/3702	202/3742	302/3740
103/3705	203/3743	303/3705
104/3707	204/3744 (LC)	304/3742
105/3708	205/3701	305/3743
106/3709	206/3702	306/3744 (LC)
107/3710	207/3707	307/3701
108/3711	208/3708	308/3702
109/3712	209/3709	309/3707
110/3713	210/3710	310/3708
111/3714	211/3711	311/3709
112/3715	212/3712	312/3710
113/3718	213/3713	313/3711
114/3719	214/3714	314/3712
115/3721	215/3715	315/3713
116/3723	216/3718	316/3714
117/3725	217/3719	317/3715
118/3727	218/3721	318/3718
119/3728	219/3723	319/3719
120/3730	220/3725	320/3721
121/3731	221/3727	321/3723
122/3732	222/3728	322/3725
123/3733	223/3730	323/3727
124/3734	224/3731	324/3728
125/3735	225/3732	325/3730
126/3736	226/3733	326/3731
127/3740	227/3734	327/3732
128/3742	228/3735	328/3733
129/3743	229/3736	329/3734
130/3744 (LC)	230/3740	330/3735

Note: Total No. of entries in the trial are 44; For Zone-III only 30 entries are included.

ZONE- IV

ICAR-INDIAN INSTITUTE OF RICE RESEARCH RAJENDRANAGAR, HYDERABAD – 500 030, TELANGANA, KHARIF 2025

1.	Trial No.	**37**
2	Name of the trial:	**Advance Variety Trial – Irrigated Medium (AVT 2 & 1 - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures and hybrids in irrigated areas
4	Locations:	48 **(4 Locations for Zone IV)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	44 **(16 Entries for Zone IV)**
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern); **Hybrid:** HRI 174 and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.37: Layout plan of entries in Advance Variety Trial - Irrigated Medium (AVT 2 & 1 - IM), Kharif 2025 (Zone-IV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3701	201/3744 (LC)	301/3734
102/3702	202/3701	302/3735
103/3704	203/3702	303/3736
104/3705	204/3704	304/3744 (LC)
105/3707	205/3705	305/3701
106/3708	206/3707	306/3702
107/3709	207/3708	307/3704
108/3711	208/3709	308/3705
109/3718	209/3711	309/3707
110/3725	210/3718	310/3708
111/3732	211/3725	311/3709
112/3733	212/3732	312/3711
113/3734	213/3733	313/3718
114/3735	214/3734	314/3725
115/3736	215/3735	315/3732
116/3744 (LC)	216/3736	316/3733

Note: Total No. of entries in the trial are 44; For Zone-IV only 16 entries are included.

ZONE- V

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
RAJENDRANAGAR, HYDERABAD – 500 030,
TELANGANA, KHARIF 2025

1.	Trial No.	**37**
2	Name of the trial:	**Advance Variety Trial – Irrigated Medium (AVT 2 & 1 - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures and hybrids in irrigated areas
4	Locations:	48 **(7 Locations for Zone V)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	44 **(21 Entries for Zone V)**
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern); **Hybrid:** HRI 174 and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
\	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No. 37: Layout plan of entries in Advance Variety Trial - Irrigated Medium (AVT 2 & 1 - IM), Kharif 2025 (Zone-V)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3701	201/3739	301/3737
102/3702	202/3744 (LC)	302/3738
103/3705	203/3701	303/3739
104/3707	204/3702	304/3744 (LC)
105/3709	205/3705	305/3701
106/3711	206/3707	306/3702
107/3714	207/3709	307/3705
108/3715	208/3711	308/3707
109/3716	209/3714	309/3709
110/3718	210/3715	310/3711
111/3725	211/3716	311/3714
112/3726	212/3718	312/3715
113/3732	213/3725	313/3716
114/3733	214/3726	314/3718
115/3734	215/3732	315/3725
116/3735	216/3733	316/3726
117/3736	217/3734	317/3732
118/3737	218/3735	318/3733
119/3738	219/3736	319/3734
120/3739	220/3737	320/3735
121/3744 (LC)	221/3738	321/3736

Note: Total No. of entries in the trial are 44; For Zone-V only 21 entries are included.

ICAR-INDIAN INSTITUTE OF RICE RESEARCH RAJENDRANAGAR, HYDERABAD – 500 030, TELANGANA, KHARIF 2025

1.	Trial No.	**37**
2	Name of the trial:	**Advance Variety Trial – Irrigated Medium (AVT 2 & 1 - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures and hybrids in irrigated areas
4	Locations:	48 **(4 Locations for Zone VI)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	44 **(16 Entries for Zone VI)**
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern); **Hybrid:** HRI 174 and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.37: Layout plan of entries in Advance Variety Trial - Irrigated Medium (AVT 2 & 1 - IM), Kharif 2025 (Zone-VI)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3702	201/3744 (LC)	301/3703
102/3703	202/3737	302/3702
103/3705	203/3736	303/3744 (LC)
104/3709	204/3735	304/3737
105/3717	205/3734	305/3736
106/3718	206/3733	306/3735
107/3725	207/3732	307/3734
108/3728	208/3729	308/3733
109/3729	209/3728	309/3732
110/3732	210/3725	310/3729
111/3733	211/3718	311/3728
112/3734	212/3717	312/3725
113/3735	213/3709	313/3718
114/3736	214/3705	314/3717
115/3737	215/3703	315/3709
116/3744 (LC)	216/3702	316/3705

Note: Total No. of entries in the trial are 44; For Zone-VI only 16 entries are included.

ZONE- VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH RAJENDRANAGAR,
HYDERABAD – 500 030, TELANGANA
KHARIF 2025

1.	Trial No.	**37**
2	Name of the trial:	**Advance Variety Trial – Irrigated Medium (AVT 2 & 1 - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures and hybrids in irrigated areas
4	Locations:	48 **(16 Locations for Zone VII)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	44 **(17 Entries for Zone VII)**
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern); **Hybrid:** HRI 174 and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.37: Layout plan of entries in Advance Variety Trial - Irrigated Medium (AVT 2 & 1 - IM), Kharif 2025 (Zone-VII)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3705	201/3705	301/3706
102/3706	202/3744 (LC)	302/3722
103/3707	203/3722	303/3725
104/3708	204/3725	304/3732
105/3709	205/3709	305/3733
106/3711	206/3711	306/3707
107/3714	207/3714	307/3708
108/3715	208/3734	308/3734
109/3718	209/3706	309/3705
110/3722	210/3707	310/3709
111/3725	211/3708	311/3711
112/3732	212/3715	312/3714
113/3733	213/3718	313/3715
114/3734	214/3732	314/3718
115/3735	215/3733	315/3735
116/3736	216/3735	316/3736
117/3744 (LC)	217/3736	317/3744 (LC)

Note: Total No. of entries in the trial are 44; For Zone-VII only 17 entries are included.

ICAR-INDIAN INSTITUTE OF RICE RESEARCH RAJENDRANAGAR, HYDERABAD – 500 030, TELANGANA
KHARIF 2025

1.	Trial No.	**38**
2	Name of the trial:	**Initial Variety Trial – Irrigated Medium (IVT - IM)**
3	Objective:	To study the comparative performance of medium duration elite cultures
4	Locations:	48
5	Layout:	Randomized Block Design (RBD)
6	Replications:	2
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	64
12	Check varieties:	**National:** NDR 359; **Zonal**: PR 121(Northern), CR Dhan 300 (Eastern & North Eastern), Karma Mahsuri (Central), Akshaya Dhan (Western), Jaya (Southern) and **Local Check.**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.38: Layout plan of entries in Initial Variety Trial – Irrigated Medium (IVT - IM), Kharif 2025.

REPLICATION-I

101/3817	109/3859	117/3834	125/3806	133/3812	141/3855	149/3830	157/3809
102/3822	110/3852	118/3854	126/3847	134/3845	142/3810	150/3805	158/3827
103/3833	111/3813	119/3814	127/3831	135/3825	143/3811	151/3839	159/3851
104/3816	112/3819	120/3837	128/3826	136/3815	144/3849	152/3862	160/3840
105/3807	113/3832	121/3860	129/3848	137/3804	145/3844	153/3828	161/3803
106/3863	114/3843	122/3824	130/3858	138/3846	146/3857	154/3801	162/3835
107/3850	115/3838	123/3820	131/3802	139/3836	147/3821	155/3853	163/3823
108/3842	116/3856	124/3808	132/3864 (LC)	140/3829	148/3861	156/3818	164/3841

REPLICATION-II

201/3803	209/3838	217/3823	225/3835	233/3809	241/3851	249/3827	257/3840
202/3860	210/3808	218/3820	226/3824	234/3834	242/3814	250/3854	258/3837
203/3828	211/3818	219/3853	227/3801	235/3830	243/3839	251/3805	259/3862
204/3832	212/3856	220/3841	228/3843	236/3859	244/3813	252/3852	260/3819
205/3844	213/3861	221/3821	229/3857	237/3855	245/3811	253/3810	261/3849
206/3848	242/3864 (LC)	222/3802	230/3858	238/3806	246/3831	254/3847	262/3826
207/3807	215/3842	223/3850	231/3863	239/3817	247/3833	255/3822	263/3816
208/3804	216/3829	224/3836	232/3846	240/3812	248/3825	256/3845	264/3815

Zone-II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad–500030, Telangana
Kharif 2025

1.	Trial No.	**39**
2	Name of the trial:	**Advance Variety Trial – Late (AVT 2 & 1 – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	47 **(3 Locations for Zone II)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	13 **(8 Entries for Zone II)**
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.39: Layout plan of entries in Advance Variety Trial – Late (AVT 2 & 1 - Late) Zone-II

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3903	201/3911	301/3908
102/3906	202/3913 (LC)	302/3909
103/3907	203/3903	303/3910
104/3908	204/3906	304/3911
105/3909	205/3907	305/3913 (LC)
106/3910	206/3908	306/3903
107/3911	207/3909	307/3906
108/3913 (LC)	208/3910	308/3907

Zone-III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad–500030, Telangana
Kharif 2025

1.	Trial No.	**39**
2	Name of the trial:	**Advance Variety Trial – Late (AVT 2 & 1 – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	47 **(10 Locations for Zone III)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	13 **(10 Entries for Zone III)**
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No. 39: Layout plan of entries in Advance Variety Trial – Late (AVT 2 & 1 - Late) Zone-III

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3902	201/3913 (LC)	301/3909
102/3903	202/3902	302/3910
103/3904	203/3903	303/3911
104/3906	204/3904	304/3913 (LC)
105/3907	205/3906	305/3902
106/3908	206/3907	306/3903
107/3909	207/3908	307/3904
108/3910	208/3909	308/3906
109/3911	209/3910	309/3907
110/3913 (LC)	210/3911	310/3908

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Kharif 2025

1.	Trial No.	**39**
2	Name of the trial:	**Advance Variety Trial – Late (AVT 2 & 1 – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	47 **(4 Locations for Zone IV)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	13 **(9 Entries for Zone IV)**
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.39: Layout plan of entries in Advance Variety Trial – Late (AVT 2 & 1 - Late) Zone-IV

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3903	201/3910	301/3907
102/3905	202/3911	302/3908
103/3906	203/3913 (LC)	303/3909
104/3907	204/3903	304/3910
105/3908	205/3905	305/3911
106/3909	206/3906	306/3913 (LC)
107/3910	207/3907	307/3903
108/3911	208/3908	308/3905
109/3913 (LC)	209/3909	309/3906

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1.	Trial No.	**39**
2	Name of the trial:	**Advance Variety Trial – Late (AVT 2 & 1 – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	47 **(7 Locations for Zone V)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	13 **(11 Entries for Zone V)**
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.39: Layout plan of entries in Advance Variety Trial – Late (AVT 2 & 1 - Late) Zone-V

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3902	201/3912	301/3909
102/3903	202/3913 (LC)	302/3910
103/3904	203/3902	303/3911
104/3906	204/3903	304/3912
105/3907	205/3904	305/3913 (LC)
106/3908	206/3906	306/3902
107/3909	207/3907	307/3903
108/3910	208/3908	308/3904
109/3911	209/3909	309/3906
110/3912	210/3910	310/3907
111/3913 (LC)	211/3911	311/3908

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1.	Trial No.	**39**
2	Name of the trial:	**Advance Variety Trial – Late (AVT 2 & 1 – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	47 **(6 Locations for Zone VI)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	13 **(10 Entries for Zone VI)**
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.39: Layout plan of entries in Advance Variety Trial – Late (AVT 2 & 1 - Late) Zone-VI

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3901	201/3913 (LC)	301/3909
102/3902	202/3901	302/3910
103/3903	203/3902	303/3911
104/3906	204/3903	304/3913 (LC)
105/3907	205/3906	305/3901
106/3908	206/3907	306/3902
107/3909	207/3908	307/3903
108/3910	208/3909	308/3906
109/3911	209/3910	309/3907
110/3913 (LC)	210/3911	310/3908

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1.	Trial No.	**39**
2	Name of the trial:	**Advance Variety Trial –Late (AVT 2 & 1 – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	47 **(17 Locations for Zone VII)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing:	20 cm between rows, 15 cm between hills
11	No. of entries:	13 **(8 Entries for Zone VII)**
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No.39: Layout plan of entries in Advance Variety Trial – Late (AVT 2 & 1 - Late) Zone-VII

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/3903	201/3911	301/3908
102/3906	202/3913 (LC)	302/3909
103/3907	203/3903	303/3910
104/3908	204/3906	304/3911
105/3909	205/3907	305/3913 (LC)
106/3910	206/3908	306/3903
107/3911	207/3909	307/3906
108/3913 (LC)	208/3910	308/3907

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1.	Trial No.	**40**
2	Name of the trial:	**Initial Variety Trial – Late (IVT – L)**
3	Objective:	To evaluate comparative performance of late duration elite cultures in irrigated areas
4	Locations:	48
5	Layout:	Simple Lattice Design
6	Replications:	2
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need- based
9	Plot size:	**10 sq m (This should be strictly followed)**
10	Spacing:	20 x 15 cm
11	No. of entries:	64
12	Check varieties:	Swarna **(National)**; Pusa 44 (Northern), NDR 8002 (Eastern & Central), Ranjeet (North-Eastern), Salivahana (Western), Pushyami (Southern) – **Zonal Check; Hybrid:** PA 6444 and **Local Check**
13	General instructions:	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow (1-2 seedlings / hill). • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF)Plant height (cm) • Panicles per sq m (No.) • Number of fertile & sterile spikelets / Panicle (Mean of 5 Mean of 5 panicles each entry. • Purity score: (UNI) ✓ = >95% pure ✓ =80-95% Pure ✓ =<80% Pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield		

Trial No. 40: Layout plan of entries in Initial Variety Trial – Late (IVT - L), Kharif 2025

REPLICATION-I

101/4022	109/4059	117/4034	125/4006	133/4012	141/4055	149/4030	157/4009
102/4017	110/4052	118/4054	126/4047	134/4045	142/4010	150/4005	158/4027
103/4016	111/4013	119/4014	127/4031	135/4025	140/4011	151/4039	159/4051
104/4033	112/4019	120/4037	128/4026	136/4015	144/4049	152/4062	160/4043
105/4063	113/4032	121/4060	129/4048	137/4004	145/4044	153/4028	161/4003
106/4007	114/4040	122/4024	130/4058	138/4046	146/4057	154/4001	162/4035
107/4042	115/4041	123/4020	131/4002	139/4036	147/4021	155/4053	163/4023
108/4050	116/4056	124/4008	132/4064 (LC)	140/4029	148/4061	156/4018	164/4038

REPLICATION-II

201/4003	209/4038	217/4023	225/4035	233/4009	241/4051	249/4027	257/4043
202/4060	210/4008	218/4020	226/4024	234/4034	242/4014	250/4054	258/4037
203/4028	211/4018	219/4053	227/4001	235/4030	240/4039	251/4005	259/4062
204/4032	212/4056	220/4041	228/4040	236/4059	244/4013	252/4052	260/4019
205/4044	213/4061	221/4021	229/4057	237/4055	245/4011	253/4010	261/4049
206/4048	214/4064 (LC)	222/4002	230/4058	238/4006	246/4031	254/4047	262/4026
207/4007	215/4042	223/4050	231/4063	239/4017	247/4033	255/4022	263/4016
208/4004	216/4029	224/4036	232/4046	240/4012	248/4025	256/4045	264/4015

ZONE-II

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1	**Trial No.**	**41**
2	**Name of the trial**	**Advance Variety Trial – Aerobic (AVT 2 & 1 - Aerob)**
3	**Objectives:**	To study the comparative performance of elite cultures under aerobic conditions
4	**Total Locations**	25 **(03 Locations for Zone - II)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	4
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (Direct seeded) (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	20 **(6 Entries for Zone- II)**
12	**Check Varieties:**	**National**: DRR Dhan 54, CR Dhan 201; **Zonal:** CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern); **Hybrid:** DRRH4 and **Local Check**.
13	**General Instructions**	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 5-6days after sowing. • Apply bispyribacsodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stages of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14	**Fertilizer Application**	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 41: Layout plan of entries in Advance Variety Trial - Aerobic (AVT 2 & 1 - Aerob), Kharif 2025 (Zone – II)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No	Replication 4 Plot No./Entry No
101/4103	201/4113	301/4111	401/4107
102/4107	202/4115	302/4113	402/4103
103/4111	203/4120 (LC)	303/4115	403/4113
104/4113	204/4103	304/4120 (LC)	404/4111
105/4115	205/4107	305/4103	405/4120 (LC)
106/4120 (LC)	206/4111	306/4107	406/4115

Note: Total No. of entries in the trial are 20; For Zone-II only 6 entries are included. Wherever missing numbers are found, those entries are not included for zone-II.

ZONE-III

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1	**Trial No.**	**41**
2	**Name of the trial**	**Advance Variety Trial – Aerobic (AVT 2 & 1 - Aerob)**
3	**Objectives:**	To study the comparative performance of elite cultures under aerobic conditions
4	**Total Locations**	25 **(09 Locations for Zone - III)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (Direct seeded) (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	20 **(16 Entries for Zone III)**
12	**Check Varieties:**	**National**: DRR Dhan 54, CR Dhan 201; **Zonal**: CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern); **Hybrid**: DRRH4 and **Local Check**.
13	**General Instructions**	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 5-6days after sowing. • Apply bispyribacsodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stages of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14	**Fertilizer Application**	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 41: Layout plan of entries in Advance Variety Trial - Aerobic (AVT 2 & 1 - Aerob), Kharif 2025 (Zone – III)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4101	201/4118	301/4114
102/4102	202/4120 (LC)	302/4115
103/4103	203/4101	303/4118
104/4104	204/4102	304/4120 (LC)
105/4105	205/4103	305/4101
106/4106	206/4104	306/4102
107/4107	207/4105	307/4103
108/4108	208/4106	308/4104
109/4110	209/4107	309/4105
110/4111	210/4108	310/4106
111/4112	211/4110	311/4107
112/4113	212/4111	312/4108
113/4114	213/4112	313/4110
114/4115	214/4113	314/4111
115/4118	215/4114	315/4112
116/4120 (LC)	216/4115	316/4113

Note: Total No. of entries in the trial are 20; For Zone-III only 16 entries are included. Wherever missing numbers are found, those entries are not included for zone-III.

ZONE-IV

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Kharif 2025

1	**Trial No.**	**41**
2	**Name of the trial**	**Advance Variety Trial – Aerobic (AVT 2 & 1 - Aerob)**
3	**Objectives:**	To study the comparative performance of elite cultures under aerobic conditions
4	**Total Locations**	25 **(3 Locations for Zone - IV)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (Direct seeded) (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	20 **(7 Entries for Zone IV)**
12	**Check Varieties:**	**National**: DRR Dhan 54, CR Dhan 201; **Zonal**: CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern); **Hybrid**: DRRH4 and **Local Check**.
13	**General Instructions**	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 5-6days after sowing. • Apply bispyribacsodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stages of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14	**Fertilizer Application**	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 41: Layout plan of entries in Advance Variety Trial - Aerobic (AVT 2 & 1 - Aerob), Kharif 2025 (Zone – IV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4103	201/4120 (LC)	301/4111
102/4107	202/4103	302/4113
103/4109	203/4107	303/4115
104/4111	204/4109	304/4120 (LC)
105/4113	205/4111	305/4103
106/4115	206/4113	306/4107
107/4120 (LC)	207/4115	307/4109

ZONE-V

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Kharif 2025

1	**Trial No.**	**41**
2	**Name of the trial**	**Advance Variety Trial – Aerobic (AVT 2 & 1 - Aerob)**
3	**Objectives:**	To study the comparative performance of elite cultures under aerobic conditions
4	**Total Locations**	25 **(04 Locations for Zone - V)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (Direct seeded) (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	20 **(10 Entries for Zone V)**
12	**Check Varieties:**	**National**: DRR Dhan 54, CR Dhan 201; **Zonal**: CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern); **Hybrid**: DRRH4 and **Local Check**.
13	**General Instructions**	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 5-6days after sowing. • Apply bispyribacsodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stages of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14	**Fertilizer Application**	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 41: Layout plan of entries in Advance Variety Trial - Aerobic (AVT 2 & 1 - Aerob), Kharif 2025 (Zone – V)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4103	201/4120 (LC)	301/4116
102/4104	202/4103	302/4117
103/4107	203/4104	303/4119
104/4111	204/4107	304/4120 (LC)
105/4113	205/4111	305/4103
106/4115	206/4113	306/4104
107/4116	207/4115	307/4107
108/4117	208/4116	308/4111
109/4119	209/4117	309/4113
110/4120 (LC)	210/4119	310/4115

Note: Total No. of entries in the trial are 20; For Zone-V only 10 entries are included. Wherever missing numbers are found, those entries are not included for zone-V.

ZONE-VI

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Kharif 2025

1	**Trial No.**	**41**
2	**Name of the trial**	**Advance Variety Trial – Aerobic (AVT 2 & 1-Aerob)**
3	**Objectives:**	To study the comparative performance of elite cultures under aerobic conditions
4	**Total Locations**	25 **(04 Locations for Zone - VI)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	4
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (Direct seeded) (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	20 **(6 Entries for Zone VI)**
12	**Check Varieties:**	**National**: DRR Dhan 54, CR Dhan 201; **Zonal**: CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern); **Hybrid**: DRRH4 and **Local Check**.
13	**General Instructions**	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 5-6days after sowing. • Apply bispyribacsodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stages of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14	**Fertilizer Application**	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 41: Layout plan of entries in Advance Variety Trial - Aerobic (AVT 2 & 1 - Aerob), Kharif 2025 (Zone – VI)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No	Replication 4 Plot No./Entry No
101/4103	201/4113	301/4111	401/4107
102/4107	202/4115	302/4113	402/4103
103/4111	203/4120 (LC)	303/4115	403/4113
104/4113	204/4103	304/4120 (LC)	404/4111
105/4115	205/4107	305/4103	405/4120 (LC)
106/4120 (LC)	206/4111	306/4107	406/4115

Note: Total No. of entries in the trial are 20; For Zone-VI only 06 entries are included. Wherever missing numbers are found, those entries are not included for zone-VI.

ZONE-VII

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Kharif 2025

1	**Trial No.**	**41**
2	**Name of the trial**	**Advance Variety Trial – Aerobic (AVT 2 & 1 - Aerob)**
3	**Objectives:**	To study the comparative performance of elite cultures under aerobic conditions
4	**Total Locations**	25 **(02 Locations for Zone - VII)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	4
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (Direct seeded) (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	20 **(6 Entries for Zone VII)**
12	**Check Varieties:**	**National**: DRR Dhan 54, CR Dhan 201; **Zonal**: CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern); **Hybrid**: DRRH4 and **Local Check**.
13	**General Instructions**	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 5-6days after sowing. • Apply bispyribacsodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stages of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14	**Fertilizer Application**	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 41: Layout plan of entries in Advance Variety Trial - Aerobic (AVT 2 & 1 - Aerob), Kharif 2025 (Zone – VII)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4103	201/4113	301/4111	301/4107
102/4107	202/4115	302/4113	302/4103
103/4111	203/4120 (LC)	303/4115	303/4113
104/4113	204/4103	304/4120 (LC)	304/4111
105/4115	205/4107	305/4103	305/4120 (LC)
106/4120 (LC)	206/4111	306/4107	306/4115

Note: Total No. of entries in the trial are 20; For Zone-VII only 06 entries are included. Wherever missing numbers are found, those entries are not included for zone-VII.

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1	Trial No.	42
2	Name of the trial:	**Initial Variety Trial – Aerobic (IVT - AEROB)**
3	Objectives:	To study the comparative performance of elite cultures under aerobic conditions
4	Total Locations:	26
5	Layout:	Simple Lattice Design
6	Replications:	2
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need based
9	Plot size:	**10 sq m (Direct seeded) (This should be strictly followed)**
10	Spacing:	20 x 15 cm or 30 x 10 cm
11	Total no. of entries:	64
12	Check varieties:	**National**: DRR Dhan 54, CR Dhan 201; **Zonal**: CRDhan202 (Northern, Eastern, Northeastern, Central), AAUD R-1 (Western), MAS 946-1 (Southern) and **Local Check**.
13	General instructions:	• Dibble 2 or 3 seeds / hill at shallow depth. • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near • saturated condition within 5-6days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain aerobic condition and provide need based frequent irrigation when tips of top leaves start rolling so that plants should not experience moisture stress at any stage of crop growth. • Crop should not suffer due to drought. • There should not be more than one day standing water in field.
14.	Fertilizer application:	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage.) • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval.
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Maximum and minimum temperature • Number of irrigations given in relation to crop growth. • Rainfall data and quantity of irrigation water
• When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield. • Kindly provide weather data especially rainfall data.		

Trial No. 42: Layout plan of entries in Initial Variety Trial – Aerobic (IVT - AEROB), Kharif 2025

REPLICATION-I

101/4217	109/4259	117/4234	125/4206	133/4212	141/4255	149/4230	157/4209
102/4222	110/4252	118/4254	126/4247	134/4245	142/4210	150/4205	158/4227
103/4233	111/4213	119/4214	127/4231	135/4225	143/4211	151/4239	159/4251
104/4216	112/4219	120/4237	128/4226	136/4215	144/4249	152/4262	160/4240
105/4207	113/4232	121/4260	129/4248	137/4204	145/4244	153/4228	161/4203
106/4263	114/4243	122/4224	130/4258	138/4246	142/4257	154/4201	162/4235
107/4250	115/4241	123/4220	131/4202	139/4236	147/4221	155/4253	163/4223
108/4242	116/4256	124/4208	132/4264 (LC)	140/4229	148/4261	156/4218	164/4238

REPLICATION-II

201/4203	209/4238	217/4223	225/4235	233/4209	241/4251	249/4227	257/4240
202/4260	210/4208	218/4220	226/4224	234/4234	242/4214	250/4254	258/4237
203/4228	211/4218	219/4253	227/4201	235/4230	243/4239	251/4205	259/4262
204/4232	212/4256	220/4241	228/4243	236/4259	242/4213	252/4252	260/4219
205/4244	213/4261	221/4221	229/4257	237/4255	245/4211	253/4210	261/4249
206/4248	214/4264 (LC)	222/4202	230/4258	238/4206	242/4231	254/4247	262/4226
207/4207	215/4242	223/4250	231/4263	239/4217	247/4233	255/4222	263/4216
208/4204	216/4229	224/4236	232/4246	240/4212	248/4225	256/4245	264/4215

ZONE-III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**43**
2	**Name of the trial**	**Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS)**
3	**Objectives:**	To study the comparative performance of Medium Slender grain cultivars and elite lines for yield and quality
4	**Total Locations**	40 **(12 Locations for Zone III)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (This should be strictly followed)**
10	**Spacing**	Transplanting: 20 cm cm between rows & 15 cm between plants
11	**Total No. of entries**	15 **(7 Entries for Zone III)**
12	**Check Varieties:**	**National**: Telangana Sona (Early Duration), WGL14 (Medium duration) & BPT 5204 (Late duration & Recurrent Parent); **Zonal**: Improved Samba Mahsuri (Eastern & Central), Ketekijoha (Northeastern), Karjat 6 (Western), ADT 49 (Southern); **Hybrid**: 27 P 63 and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Grains/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilitiesexist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature • Data will be considered only if MS grain type is used as LocalCheck
Data will not be considered if mean yield of the experiment is below 4t/ha. Kindly offer an explanation for the low yield.		

Trial No. 43: Layout plan of entries in Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS), Kharif 2025 (Zone III)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4303	201/4315 (LC)	301/4310
102/4305	202/4303	302/4312
103/4307	203/4305	303/4313
104/4310	204/4307	304/4315 (LC)
105/4312	205/4310	305/4303
106/4313	206/4312	306/4305
107/4315 (LC)	207/4313	307/4307

Note: Total No. of entries in the trial are 15; For Zone-III only 7 entries are includeded wherever missing numbers are found, those entries are not included for Zone-III.

ZONE-IV

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**43**
2	**Name of the trial**	**Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS)**
3	**Objectives:**	To study the comparative performance of Medium Slender grain cultivars and elite lines for yield and quality
4	**Total Locations**	40 (**4 Locations for Zone IV)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (This should be strictly followed)**
10	**Spacing**	Transplanting: 20 cm cm between rows & 15 cm between plants
11	**Total No. of entries**	15 **(10 Entries for Zone IV)**
12	**Check Varieties:**	**National**: Telangana Sona (Early Duration), WGL14 (Medium duration) & BPT 5204 (Late duration & Recurrent Parent); **Zonal**: Improved Samba Mahsuri (Eastern & Central), Ketekijoha (Northeastern), Karjat 6 (Western), ADT 49 (Southern); **Hybrid**: 27 P 63 and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Grains/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilitiesexist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature • Data will be considered only if MS grain type is used as LocalCheck
Data will not be considered if mean yield of the experiment is below 4t/ha. Kindly offer an explanation for the low yield.		

Trial No. 43: Layout plan of entries in Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS), Kharif 2025 (Zone IV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4301	201/4315 (LC)	301/4311
102/4303	202/4301	302/4312
103/4305	203/4303	303/4313
104/4307	204/4305	304/4315 (LC)
105/4309	205/4307	305/4301
106/4310	206/4309	306/4303
107/4311	207/4310	307/4305
108/4312	208/4311	308/4307
109/4313	209/4312	309/4309
110/4315 (LC)	210/4313	310/4310

Note: Total No. of entries in the trial are 15; For Zone-IV only 10 entries are included. Wherever missing numbers are found, those entries are not included for Zone-IV.

ZONE-V

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**43**
2	**Name of the trial**	**Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS)**
3	**Objectives:**	To study the comparative performance of Medium Slender grain cultivars and elite lines for yield and quality
4	**Total Locations**	40 **(4 Locations for Zone V)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (This should be strictly followed)**
10	**Spacing**	Transplanting: 20 cm cm between rows & 15 cm between plants
11	**Total No. of entries**	15 **(7 Entries for Zone V)**
12	**Check Varieties:**	**National**: Telangana Sona (Early Duration), WGL14 (Medium duration) & BPT 5204 (Late duration & Recurrent Parent); **Zonal**: Improved Samba Mahsuri (Eastern & Central), Ketekijoha (Northeastern), Karjat 6 (Western), ADT 49 (Southern); **Hybrid**: 27 P 63 and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Grains/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilitiesexist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature • Data will be considered only if MS grain type is used as LocalCheck
Data will not be considered if mean yield of the experiment is below 4t/ha. Kindly offer an explanation for the low yield.		

Trial No. 43: Layout plan of entries in Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS), Kharif 2025 (Zone V)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4303	201/4315 (LC)	301/4310
102/4305	202/4303	302/4312
103/4307	203/4305	303/4313
104/4310	204/4307	304/4315 (LC)
105/4312	205/4310	305/4303
106/4313	206/4312	306/4305
107/4315 (LC)	207/4313	307/4307

Note: Total No. of entries in the trial are 15; For Zone-V only 07 entries are included. Wherever missing numbers are found, those entries are not included for Zone-V.

ZONE-VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**43**
2	**Name of the trial**	**Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS)**
3	**Objectives:**	To study the comparative performance of Medium Slender grain cultivars and elite lines for yield and quality
4	**Total Locations**	40 **(6 Locations for Zone VI)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (This should be strictly followed)**
10	**Spacing**	Transplanting: 20 cm cm between rows & 15 cm between plants
11	**Total No. of entries**	15 **(11 Entries for Zone VI)**
12	**Check Varieties:**	**National**: Telangana Sona (Early Duration), WGL14 (Medium duration) & BPT 5204 (Late duration & Recurrent Parent); **Zonal**: Improved Samba Mahsuri (Eastern & Central), Ketekijoha (Northeastern), Karjat 6 (Western), ADT 49 (Southern); **Hybrid**: 27 P 63 and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Grains/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilitiesexist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature • Data will be considered only if MS grain type is used as LocalCheck
Data will not be considered if mean yield of the experiment is below 4t/ha. Kindly offer an explanation for the low yield.		

Trial No. 43: Layout plan of entries in Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS), Kharif 2025 (Zone VI)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4302	201/4314	301/4310
102/4303	202/4315 (LC)	302/4312
103/4305	203/4302	303/4313
104/4306	204/4303	304/4314
105/4307	205/4305	305/4315 (LC)
106/4308	206/4306	306/4302
107/4310	207/4307	307/4303
108/4312	208/4308	308/4305
109/4313	209/4310	309/4306
110/4314	210/4312	310/4307
111/4315 (LC)	211/4313	311/4308

Note: Total No. of entries in the trial are 15; For Zone-VI only 11 entries are included. Wherever missingnumbers are found, those entries are not included for Zone-VI.

ZONE-VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**43**
2	**Name of the trial**	**Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS)**
3	**Objectives:**	To study the comparative performance of Medium Slender grain cultivars and elite lines for yield and quality
4	**Total Locations**	40 **(14 Locations for Zone VII)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**15 sq m (This should be strictly followed)**
10	**Spacing**	Transplanting: 20 cm cm between rows & 15 cm between plants
11	**Total No. of entries**	15 **(9 Entries for Zone VII)**
12	**Check Varieties:**	**National**: Telangana Sona (Early Duration), WGL14 (Medium duration) & BPT 5204 (Late duration & Recurrent Parent); **Zonal**: Improved Samba Mahsuri (Eastern & Central), Ketekijoha (Northeastern), Karjat 6 (Western), ADT 49 (Southern); **Hybrid**: 27 P 63 and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Grains/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilitiesexist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature • Data will be considered only if MS grain type is used as LocalCheck
Data will not be considered if mean yield of the experiment is below 4t/ha. Kindly offer an explanation for the low yield.		

Trial No. 43: Layout plan of entries in Advance Variety Trial – Medium Slender Grain (AVT 2 & 1 - MS), Kharif 2025 (Zone VII)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4303	201/4312	301/4306
102/4304	202/4313	302/4307
103/4305	203/4315 (LC)	303/4310
104/4306	204/4303	304/4312
105/4307	205/4304	305/4313
106/4310	206/4305	306/4315 (LC)
107/4312	207/4306	307/4303
108/4313	208/4307	308/4304
109/4315 (LC)	209/4310	309/4305

Note: Total No. of entries in the trial are 15; For Zone-VII only 09 entries are included. Wherever missingnumbers are found, those entries are not included for Zone-VII.

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**44**
2	**Name of the trial**	**Initial Variety Trial – Medium Slender Grain (IVT - MS)**
3	**Objectives:**	To study the comparative performance of Medium Slender grain cultivars and elite lines for yield and quality
4	**Total Locations**	41
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	2
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	Transplanting: 20 cm between rows & 15 cm between plants
11	**Total No. of entries**	64
12	**Check Varieties:**	**National**: Telangana Sona (Early Duration), WGL14 (Medium duration) & BPT 5204 (Late duration & Recurrent Parent); **Zonal**: Improved Samba Mahsuri (Eastern & Central), Ketekijoha (Northeastern), Karjat 6 (Western), ADT 49 (Southern) and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Grains/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilitiesexist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature • Data will be considered only if MS grain type is used as LocalCheck
Data will not be considered if mean yield of the experiment is below 4t/ha. Kindly offer an explanation for the low yield.		

Trial No. 44: Layout plan of entries in Initial Variety Trial – Medium Slender Grain (IVT - MS), Kharif 2025

REPLICATION-I

101/4417	109/4459	117/4434	125/4406	133/4412	141/4455	149/4430	157/4409
102/4422	110/4452	118/4454	126/4447	134/4445	142/4410	150/4405	158/4427
103/4433	111/4413	119/4414	127/4431	135/4425	143/4411	151/4439	159/4451
104/4416	112/4419	120/4437	128/4426	136/4415	144/4440	152/4462	160/4449
105/4407	113/4432	121/4460	129/4448	137/4404	145/4444	153/4428	161/4403
106/4463	114/4443	122/4424	130/4458	138/4446	146/4457	154/4401	162/4435
107/4450	115/4441	123/4420	131/4402	139/4436	147/4421	155/4453	163/4423
108/4442	116/4456	124/4408	132/4464 (LC)	140/4429	148/4461	156/4418	164/4438

REPLICATION-II

201/4403	209/4438	217/4423	225/4435	233/4409	241/4451	249/4427	257/4440
202/4460	210/4408	218/4420	226/4424	234/4434	242/4414	250/4454	258/4437
203/4428	211/4418	219/4453	227/4401	235/4430	243/4439	251/4405	259/4462
204/4432	212/4456	220/4441	228/4443	236/4459	244/4413	252/4452	260/4419
205/4444	213/4461	221/4421	229/4457	237/4455	245/4411	253/4410	261/4449
206/4448	214/4464 (LC)	222/4402	230/4458	238/4406	246/4431	254/4447	262/4426
207/4407	215/4442	223/4450	231/4463	239/4417	247/4433	255/4422	263/4416
208/4404	216/4429	224/4436	232/4446	240/4412	248/4425	256/4445	264/4415

ZONE-II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**45**
2	**Name of the trial**	**Advance Variety Trial – Rice Biofortification (AVT 2 & 1 – BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37 **(3 Locations for Zone II)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	18 **(8 Entries for Zone II)**
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 45: Layout plan of entries in Advance Variety Trial – Rice Biofortification (AVT 2 & 1 - BIOFORT), Kharif 2025 (ZONE-II)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4503	201/4517	301/4506
102/4504	202/4518	302/4509
103/4505	203/4503	303/4513
104/4506	204/4504	304/4517
105/4509	205/4505	305/4518
106/4513	206/4506	306/4503
107/4517	207/4509	307/4504
108/4518	208/4513	308/4505

ZONE-III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**45**
2	**Name of the trial**	**Advance Variety Trial – Rice Biofortification (AVT 2 & 1 – BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37 **(8 Locations for Zone III)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	18 **(7 Entries for Zone III)**
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 45: Layout plan of entries in Advance Variety Trial – Rice Biofortification (AVT 2 & 1 - BIOFORT), Kharif 2025 (ZONE-III)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4503	201/4517	301/4513
102/4506	202/4503	302/4514
103/4509	203/4506	303/4516
104/4513	204/4509	304/4517
105/4514	205/4513	305/4503
106/4516	206/4514	306/4506
107/4517	207/4516	307/4509

ZONE-IV

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**45**
2	**Name of the trial**	**Advance Variety Trial – Rice Biofortification (AVT 2 & 1 – BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37 **(2 Locations for Zone IV)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	18 **(9 Entries for Zone IV)**
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 45: Layout plan of entries in Advance Variety Trial – Rice Biofortification (AVT 2 & 1 - BIOFORT), Kharif 2025 (ZONE-IV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4502	201/4513	301/4506
102/4503	202/4516	302/4508
103/4504	203/4517	303/4509
104/4506	204/4502	304/4513
105/4508	205/4503	305/4516
106/4509	206/4504	306/4517
107/4513	207/4506	307/4502
108/4516	208/4508	308/4503
109/4517	209/4509	309/4504

ZONE-V

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**45**
2	**Name of the trial**	**Advance Variety Trial – Rice Biofortification (AVT 2 & 1 – BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37 **(6 Locations for Zone V)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	4
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	18 **(6 Entries for Zone V)**
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 45: Layout plan of entries in Advance Variety Trial – Rice Biofortification (AVT 2 & 1 - BIOFORT), Kharif 2025 (ZONE-V)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No	Replication 4 Plot No./Entry No
101/4503	201/4513	301/4509	401/4506
102/4506	202/4516	302/4513	402/4503
103/4509	203/4517	303/4516	403/4513
104/4513	204/4503	304/4517	404/4509
105/4516	205/4506	305/4503	405/4517
106/4517	206/4509	306/4506	406/4516

ZONE-VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**45**
2	**Name of the trial**	**Advance Variety Trial – Rice Biofortification (AVT 2 & 1 – BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37 **(3 Locations for Zone VI)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	18 **(14 Entries for Zone VI)**
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 45: Layout plan of entries in Advance Variety Trial – Rice Biofortification (AVT 2 & 1 - BIOFORT), Kharif 2025 (ZONE-VI)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4503	201/4517	301/4513
102/4504	202/4518	302/4514
103/4505	203/4503	303/4515
104/4506	204/4504	304/4517
105/4507	205/4505	305/4518
106/4509	206/4506	306/4503
107/4510	207/4507	307/4504
108/4511	208/4509	308/4505
109/4512	209/4510	309/4506
110/4513	210/4511	310/4507
111/4514	211/4512	311/4509
112/4515	212/4513	312/4510
113/4517	213/4514	313/4511
114/4518	214/4515	314/4512

ZONE-VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**45**
2	**Name of the trial**	**Advance Variety Trial – Rice Biofortification (AVT 2 & 1 – BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37 **(15 Locations for Zone VII)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	18 **(9 Entries for Zone VII)**
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 45: Layout plan of entries in Advance Variety Trial – Rice Biofortification (AVT 2 & 1 - BIOFORT), Kharif 2025 (ZONE-VII)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4501	201/4509	301/4505
102/4503	202/4513	302/4506
103/4504	203/4517	303/4508
104/4505	204/4501	304/4509
105/4506	205/4503	305/4513
106/4508	206/4504	306/4517
107/4509	207/4505	307/4501
108/4513	208/4506	308/4503
109/4517	209/4508	309/4504

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**46**
2	**Name of the trial**	**Initial Variety Trial – Rice Biofortification (IVT - BIOFORT)**
3	**Objectives:**	To study the comparative performance of elite lines for yield and nutritional quality
4	**Total Locations**	37
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	2
7	**Fertilizers:**	As per the recommendation of the centre (if zinc is not included in the POPs, apply zinc sulphate @ 25-50 kg/ha once in every 3 crop seasons, preferably in rabi). **If the centre is not applied the zinc sulphate in the last two years, apply in current season without fail.**
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	49
12	**Check Varieties:**	**Yield Checks**: BPT 5204 & IR 64; **Yield & Micro Nutrient Checks:** DRR Dhan 48 and DRR Dhan 45; **Micro Nutrient Check:** Chittimutyalu.
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly • Soil samples up to 20 cm deep before planting and after harvesting to be collected and sent to IIRR for analysis for estimating Fe & Zn content
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Sterility percentage • Test Weight/ 1000 grain weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • 50 gms of grains per entry in 2 replications after harvestingto be sent to IIRR for Fe and Zn analysis • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 46: Layout plan of entries in Initial Variety Trial – Rice Biofortification (IVT - BIOFORT), Kharif 2025

Replication 1

101/4601	102/4602	103/4603	104/4604	105/4605	106/4606	107/4607
108/4608	109/4609	110/4610	111/4611	112/4612	113/4613	114/4614
115/4615	116/4616	117/4617	118/4618	119/4619	120/4620	121/4621
122/4622	123/4623	124/4624	125/4625	126/4626	127/4627	128/4628
129/4629	130/4630	131/4631	132/4632	133/4633	134/4634	135/4635
136/4636	137/4637	138/4638	139/4639	140/4640	141/4641	142/4642
143/4643	144/4644	145/4645	146/4646	147/4647	148/4648	149/4649

Replication 2

101/4605	102/4606	103/4607	104/4608	105/4609	106/4610	107/4611
108/4612	109/4613	110/4614	111/4615	112/4616	113/4629	114/4630
115/4631	116/4632	117/4633	118/4634	119/4635	120/4636	121/4637
122/4638	123/4639	124/4640	125/4641	126/4642	127/4643	128/4644
129/4645	130/4646	131/4647	132/4648	133/4624	134/4625	135/4626
136/4627	137/4628	138/4601	139/4602	140/4603	141/4604	142/4649
143/4617	144/4618	145/4619	146/4620	147/4621	148/4622	149/4623

Zone-II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**47**
2	**Name of the trial**	**Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 – AL & ISTVT) - Zone II**
3	**Objectives:**	To evaluate comparative performance of promising elite cultures for Alkalinity and Inland salinity.
4	**Total Locations**	20 **(7 Locations for Zone II)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plot size**	**15 sq m (This should be strictly followed)**
9	**Spacing**	15 x 15 cm
10	**Total No. of entries**	18 **(17 Entries for Zone II)**
11	**Check Varieties:**	**Inland Saline Tolerant (**CSR 23**), Observational sensitive check (**PR 127**), Early duration Saline Check (**CSR 10**), Alkaline Tolerant check (**CSR 36**), Saline tolerant & donor (**FL 478**), Sensitive Check (**Pusa 44**) and Local check.**
12	**Special instructions:**	• Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	**General Instructions**	• The trial for sodic soils (alkaline) may be conducted in soil with pH >8.5, EC <4 dSm^{-1} and ESP more than 15% whereas inland salinity trial may be conducted in soil with pH ≤ 8.0, EC >4 dSm^{-1} • Select a homogeneously Alkaline/ Inland saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of theseedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	**Data to be Collected:**	• **<u>Soil characteristics</u>**: For sodic/alkaline and inland saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • Soil Samples need to be sent to CSSRI Karnal. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
• When the mean yield of the experiment is below 2t/ha, kindly offer an explanation for the low yield.		

NB:

i) Without the data on pH & EC at three stages of crop growth data will not be considered.

ii) Since very frequently trials of AL&ISTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.

iii) It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centers is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.

Trial 47: Layout plan of entries in Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 - AL & ISTVT)-Zone II, Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4701	201/4718	301/4716 (LC)
102/4702	202/4701	302/4717
103/4703	203/4702	303/4718
104/4704	204/4703	304/4701
105/4705	205/4704	305/4702
106/4706	206/4705	306/4703
107/4707	207/4706	307/4704
108/4708	208/4707	308/4705
109/4709	209/4708	309/4706
110/4711	210/4709	310/4707
111/4712	211/4711	311/4708
112/4713	212/4712	312/4709
113/4714	213/4713	313/4711
114/4715	214/4714	314/4712
115/4716 (LC)	215/4715	315/4713
116/4717	216/4716 (LC)	316/4714
117/4718	217/4717	317/4715

Zone-III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**47**
2	**Name of the trial**	**Advance Variety Trial 2 & 1 - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 – AL & ISTVT) - Zone III**
3	**Objectives:**	To evaluate comparative performance of promising elite cultures for Alkalinity and Inland salinity.
4	**Total Locations**	20 **(3 Locations for Zone III)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plot size**	**15 sq m (This should be strictly followed)**
9	**Spacing**	15 x 15 cm
10	**Total No. of entries**	18 **(15 Entries for Zone III)**
11	**Check Varieties:**	**Inland Saline Tolerant (**CSR 23**), Observational sensitive check (**PR 127**), Early duration Saline Check (**CSR 10**), Alkaline Tolerant check (**CSR 36**), Saline tolerant & donor (**FL 478**), Sensitive Check (**Pusa 44**) and Local check.**
12	**Special instructions:**	• Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	**General Instructions**	• The trial for sodic soils (alkaline) may be conducted in soil with pH >8.5, EC <4 dSm^{-1} and ESP more than 15% whereas inland salinity trial may be conducted in soil with pH ≤ 8.0, EC >4 dSm^{-1} • Select a homogeneously Alkaline/ Inland saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill : 2-3 • Gap fill within a week of planting after recording the mortality of theseedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	**Data to be Collected:**	• **<u>Soil characteristics</u>**: For sodic/alkaline and inland saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • Soil Samples need to be sent to CSSRI Karnal. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
• When the mean yield of the experiment is below 2t/ha, kindly offer an explanation for the low yield.		

NB:

- **Without the data on pH & EC at three stages of crop growth data will not be considered.**
- **Since very frequently trials of AL&ISTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.**
- **It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centers is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.**

Trial 47: Layout plan of entries in Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 - AL & ISTVT) - Zone III Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4701	201/4718	301/4716 (LC)
102/4702	202/4701	302/4717
103/4704	203/4702	303/4718
104/4705	204/4704	304/4701
105/4706	205/4705	305/4702
106/4707	206/4706	306/4704
107/4708	207/4707	307/4705
108/4709	208/4708	308/4706
109/4711	209/4709	309/4707
110/4712	210/4711	310/4708
111/4714	211/4712	311/4709
112/4715	212/4714	312/4711
113/4716 (LC)	213/4715	313/4712
114/4717	214/4716 (LC)	314/4714
115/4718	215/4717	315/4715

Zone-VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**47**
2	**Name of the trial**	**Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 – AL & ISTVT) - Zone VI**
3	**Objectives:**	To evaluate comparative performance of promising elite cultures for Alkalinity and Inland salinity.
4	**Total Locations**	20 **(2 Locations for Zone VI)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plot size**	**15 sq m (This should be strictly followed)**
9	**Spacing**	15 x 15 cm
10	**Total No. of entries**	18 **(12 Entries for Zone VI)**
11	**Check Varieties:**	**Inland Saline Tolerant (**CSR 23**), Observational sensitive check (**PR 127**), Early duration Saline Check (**CSR 10**), Alkaline Tolerant check (**CSR 36**), Saline tolerant & donor (**FL 478**), Sensitive Check (**Pusa 44**) and Local check.**
12	**Special instructions:**	• Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	**General Instructions**	• The trial for sodic soils (alkaline) may be conducted in soil with pH >8.5, EC <4 dSm^{-1} and ESP more than 15% whereas inland salinity trial may be conducted in soil with pH ≤ 8.0, EC >4 dSm^{-1} • Select a homogeneously Alkaline/ Inland saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	**Data to be Collected:**	• **<u>Soil characteristics</u>**: For sodic/alkaline and inland saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • Soil Samples need to be sent to CSSRI Karnal. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
• When the mean yield of the experiment is below 2t/ha, kindly offer an explanation for the low yield.		

NB:

- **Without the data on pH & EC at three stages of crop growth data will not be considered.**
- **Since very frequently trials of AL&ISTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.**
- **It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centers is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.**

Trial 47: Layout plan of entries in Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 - AL & ISTVT) - Zone VI, Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4702	201/4715	301/4711
102/4704	202/4716 (LC)	302/4712
103/4706	203/4718	303/4714
104/4707	204/4702	304/4715
105/4708	205/4704	305/4716 (LC)
106/4709	206/4706	306/4718
107/4711	207/4707	307/4702
108/4712	208/4708	308/4704
109/4714	209/4709	309/4706
110/4715	210/4711	310/4707
111/4716 (LC)	211/4712	311/4708
112/4718	212/4714	312/4709

Zone-VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	**Trial No.**	**47**
2	**Name of the trial**	**Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 – AL & ISTVT) - Zone VII**
3	**Objectives:**	To evaluate comparative performance of promising elite cultures for Alkalinity and Inland salinity.
4	**Total Locations**	20 **(8 Locations for Zone VII)**
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plot size**	**15 sq m (This should be strictly followed)**
9	**Spacing**	15 x 15 cm
10	**Total No. of entries**	18 **(13 Entries for Zone VII)**
11	**Check Varieties:**	**Inland Saline Tolerant (**CSR 23**), Observational sensitive check (**PR 127**), Early duration Saline Check (**CSR 10**), Alkaline Tolerant check (**CSR 36**), Saline tolerant & donor (**FL 478**), Sensitive Check (**Pusa 44**) and Local check.**
12	**Special instructions:**	• Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	**General Instructions**	• The trial for sodic soils (alkaline) may be conducted in soil with pH >8.5, EC <4 dSm $^{-1}$ and ESP more than 15% whereas inland salinity trial may be conducted in soil with pH ≤ 8.0, EC >4 dSm $^{-1}$ • Select a homogeneously Alkaline/ Inland saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	**Data to be Collected:**	• **<u>Soil characteristics</u>**: For sodic/alkaline and inland saline soils, pH and EC • to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • Soil Samples need to be sent to CSSRI Karnal. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
• When the mean yield of the experiment is below 2t/ha, kindly offer an explanation for the low yield.		

NB:

- **Without the data on pH & EC at three stages of crop growth data will not be considered.**
- **Since very frequently trials of AL&ISTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.**
- **It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centers is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.**

Trial 52: Layout plan of entries in Advance Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2 & 1 - AL & ISTVT) - Zone VII, Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4702	201/4718	301/4714
102/4704	202/4702	302/4715
103/4706	203/4704	303/4716 (LC)
104/4707	204/4706	304/4718
105/4708	205/4707	305/4702
106/4709	206/4708	306/4704
107/4710	207/4709	307/4706
108/4711	208/4710	308/4707
109/4712	209/4711	309/4708
110/4714	210/4712	310/4709
111/4715	211/4714	311/4710
112/4716 (LC)	212/4715	312/4711
113/4718	213/4716 (LC)	313/4712

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1	**Trial No.**	**48**
2	**Name of the trial**	**Initial Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (IVT - AL & ISTVT)**
3	**Objectives:**	To evaluate comparative performance of promising elite cultures for Alkalinity and Inland salinity.
4	**Total Locations**	20
5	**Layout:**	Randomized Block Design (RBD)
6	**Replications:**	4
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plot size**	**15 sq m (This should be strictly followed)**
9	**Spacing**	15 x 15 cm
10	**Total No. of entries**	28
11	**Check Varieties:**	**Alkaline Tolerant check (**CSR 36**), Early Duration Saline check (**CSR 10**), Inland Saline check (**CSR 23**), Observational check (**PR 127**), Saline Tolerant & Donor (**FL 478**), Sensitive check (**Pusa 44**) and Local check.**
12	**Special instructions:**	• Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	**General Instructions**	• The trial for sodic soils (alkaline) may be conducted in soil with pH >8.5, EC <4 dSm^{-1} and ESP more than 15% whereas inland salinity trial may be conducted in soil with pH ≤ 8.0, EC >4 dSm^{-1} • Select a homogeneously Alkaline/ Inland saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of theseedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	**Data to be Collected:**	• **<u>Soil characteristics</u>**: For sodic/alkaline and inland saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • Soil Samples need to be sent to CSSRI Karnal. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
• When the mean yield of the experiment is below 2t/ha, kindly offer an explanation for the low yield.		

NB:

- **Without the data on pH & EC at three stages of crop growth data will not be considered.**
- **Since very frequently trials of AL&ISTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.**
- **It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centers is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.**

Trial 48: Layout plan of entries in Initial Variety Trial - Alkaline and Inland Saline Tolerant Variety Trial (IVT - AL & ISTV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No	Replication 4 Plot No./Entry No
101/4801	201/4803	301/4826	401/4815
102/4802	202/4828 (LC)	302/4827	402/4816
103/4803	203/4801	303/4803	403/4801
104/4804	204/4802	304/4828 (LC)	404/4802
105/4805	205/4804	305/4801	405/4803
106/4806	206/4805	306/4802	406/4804
107/4807	207/4806	307/4804	407/4805
108/4808	208/4807	308/4805	408/4806
109/4809	209/4808	309/4806	409/4807
110/4810	210/4809	310/4807	410/4808
111/4811	211/4810	311/4808	411/4809
112/4812	212/4811	312/4809	412/4810
113/4813	213/4812	313/4810	413/4811
114/4814	214/4813	314/4811	414/4812
115/4815	215/4814	315/4812	415/4813
116/4816	216/4815	316/4813	416/4814
117/4817	217/4816	317/4814	417/4817
118/4818	218/4817	318/4815	418/4818
119/4819	219/4818	319/4816	419/4819
120/4820	220/4819	320/4817	420/4820
121/4821	221/4820	321/4818	421/4821
122/4822	222/4821	322/4819	422/4822
123/4823	223/4822	323/4820	423/4823
124/4824	224/4823	324/4821	424/4824
125/4825	225/4824	325/4822	425/4825
126/4826	226/4825	326/4823	426/4826
127/4827	227/4826	327/4824	427/4827
128/4828 (LC)	228/4827	328/4825	428/4828 (LC)

Zone - II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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1	Trial No.:	**49**
2	Name of the trial:	**Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT)**
3	Objectives:	To evaluate comparative performance of promising elite cultures for Coastal Saline soils
4	Locations:	17 **(01 location for Zone-II)**
5	Layout:	Randomized Block Design (RBD)
6	Fertilizers:	As per the recommendation of the centre
7	Replications:	3
8	Entries:	22 **(08 entries for Zone-II)**
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing	15 x 15 cm
11	Check varieties:	Bhuthnath (**Coastal Saline**), FL 478 (**Saline Tolerant**), Pusa 44 (**Sensitive**), CSR 10 (**Early duration saline**), PR 127 (**Observational Sensitive**) and **Local Check.**
12	Special instructions:	Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyse the pH and EC at your centre and half of the sample send to IIRR.
13	General instructions:	• In coastal saline soils, the trial may be conducted in soils with electrical conductivity above 4 dSm^{-1} and pH < 7. • Select a homogeneously coastal saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	Data to be collected:	• Soil characteristics: For coastal saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

NB:

i) Without the data on pH & EC at three stages of crop growth, data will not be considered.

ii) Since very frequently trials of CSTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.

iii) It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centres is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.

Trial 49-Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT) Zone – II

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4903	201/4917 (LC)	301/4908
102/4905	202/4919	302/4909
103/4907	203/4903	303/4912
104/4908	204/4905	304/4917 (LC)
105/4909	205/4907	305/4919
106/4912	206/4908	306/4903
107/4917 (LC)	207/4909	307/4905
108/4919	208/4912	308/4907

Zone - III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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Kharif2025

1	Trial No.:	**49**
2	Name of the trial:	**Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT)**
3	Objectives:	To evaluate comparative performance of promising elite cultures for Coastal Saline soils
4	Locations:	17 **(05 locations for Zone-III)**
5	Layout:	Randomized Block Design (RBD)
6	Fertilizers:	As per the recommendation of the centre
7	Replications:	3
8	Entries:	22 **(21 entries for Zone-III)**
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing	15 x 15 cm
11	Check varieties:	Bhuthnath (**Coastal Saline**), FL 478 (**Saline Tolerant**), Pusa 44 (**Sensitive**), CSR 10 (**Early duration saline**), PR 127 (**Observational Sensitive**) and **Local Check.**
12	Special instructions:	Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyse the pH and EC at your centre and half of the sample send to IIRR.
13	General instructions:	• In coastal saline soils, the trial may be conducted in soils with electrical conductivity above 4 dSm^{-1} and pH < 7. • Select a homogeneously coastal saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	Data to be collected:	• Soil characteristics: For coastal saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

NB:
i) Without the data on pH & EC at three stages of crop growth, data will not be considered.
ii) Since very frequently trials of CSTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.
iii) It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centres is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.

Trial 49: Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT) Zone – III

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4901	201/4920	301/4918
102/4902	202/4921	302/4919
103/4903	203/4922	303/4920
104/4905	204/4901	304/4921
105/4906	205/4902	305/4922
106/4907	206/4903	306/4901
107/4908	207/4905	307/4902
108/4909	208/4906	308/4903
109/4910	209/4907	309/4905
110/4911	210/4908	310/4906
111/4912	211/4909	311/4907
112/4913	212/4910	312/4908
113/4914	213/4911	313/4909
114/4915	214/4912	314/4910
115/4916	215/4913	315/4911
116/4917 (LC)	216/4914	316/4912
117/4918	217/4915	317/4913
118/4919	218/4916	318/4914
119/4920	219/4917 (LC)	319/4915
120/4921	220/4918	320/4916
121/4922	221/4919	321/4917 (LC)

Zone - VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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Kharif 2025

1	Trial No.:	**49**
2	Name of the trial:	**Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT)**
3	Objectives:	To evaluate comparative performance of promising elite cultures for Coastal Saline soils
4	Locations:	17 **(05 locations for Zone-VI)**
5	Layout:	Randomized Block Design (RBD)
6	Fertilizers:	As per the recommendation of the centre
7	Replications:	3
8	Entries:	22 **(09 entries for Zone-VI)**
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing	15 x 15 cm
11	Check varieties:	Bhuthnath (**Coastal Saline**), FL 478 (**Saline Tolerant**), Pusa 44 (**Sensitive**), CSR 10 (**Early duration saline**), PR 127 (**Observational Sensitive**) and **Local Check.**
12	Special instructions:	Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	General instructions:	• In coastal saline soils, the trial may be conducted in soils with electrical conductivity above 4 dSm^{-1} and pH < 7. • Select a homogeneously coastal saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	Data to be collected:	• Soil characteristics: For coastal saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

NB:

i) Without the data on pH & EC at three stages of crop growth, data will not be considered.

ii) Since very frequently trials of CSTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.

iii) It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centres is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.

Trial 49: Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT) Zone – VI

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4903	201/4912	301/4907
102/4904	202/4917 (LC)	302/4908
103/4905	203/4919	303/4909
104/4907	204/4903	304/4912
105/4908	205/4904	305/4917 (LC)
106/4909	206/4905	306/4919
107/4912	207/4907	307/4903
108/4917 (LC)	208/4908	308/4904
109/4919	209/4909	309/4905

Zone - VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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Kharif 2025

1	Trial No.:	**49**
2	Name of the trial:	**Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT)**
3	Objectives:	To evaluate comparative performance of promising elite cultures for Coastal Saline soils
4	Locations:	17 **(06 locations for Zone-VII)**
5	Layout:	Randomized Block Design (RBD)
6	Fertilizers:	As per the recommendation of the centre
7	Replications:	3
8	Entries:	22 **(08 entries for Zone-VII)**
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing	15 x 15 cm
11	Check varieties:	Bhuthnath (**Coastal Saline**), FL 478 (**Saline Tolerant**), Pusa 44 (**Sensitive**), CSR 10 (**Early duration saline**), PR 127 (**Observational Sensitive**) and **Local Check.**
12	Special instructions:	Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyze the pH and EC at your centre and half of the sample send to IIRR.
13	General instructions:	• In coastal saline soils, the trial may be conducted in soils with electrical conductivity above 4 dSm^{-1} and pH < 7. • Select a homogeneously coastal saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill : 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	Data to be collected:	• Soil characteristics: For coastal saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

NB:

i) Without the data on pH & EC at three stages of crop growth, data will not be considered.

ii) Since very frequently trials of CSTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.

iii) It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centres is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.

Trial 49: Advance Variety Trial - Coastal Saline Tolerant Variety Trial (AVT 2 & 1 - CSTVT) Zone – VII

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/4903	201/4917 (LC)	301/4908
102/4905	202/4919	302/4909
103/4907	203/4903	303/4912
104/4908	204/4905	304/4917 (LC)
105/4909	205/4907	305/4919
106/4912	206/4908	306/4903
107/4917 (LC)	207/4909	307/4905
108/4919	208/4912	308/4907

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1	Trial No.:	**50**
2	Name of the trial:	**Initial Variety Trial - Coastal Saline Tolerant Variety Trial (IVT - CSTVT)**
3	Objectives:	To evaluate comparative performance of promising elite cultures for Coastal Saline soils
4	Locations:	16
5	Layout:	Randomized Block Design (RBD)
6	Fertilizers:	As per the recommendation of the centre
7	Replications:	3
8	Entries:	37
9	Plot size:	15 sq m (This should be strictly followed)
10	Spacing	15 x 15 cm
11	Check varieties:	Bhuthnath (**Coastal Saline**), FL 478 (**Saline Tolerant**), Pusa 44 (**Sensitive**), CSR 10 (**Early duration saline**), PR 127 (**Observational Sensitive**) and **Local Check.**
12	Special instructions:	Before land preparation, collect surface (0-30 cm depth) soil samples randomly from 10-15 spots from the experimental sites, air dry, mix and pass through 2 mm sieve, analyse the pH and EC at your centre and half of the sample send to IIRR.
13	General instructions:	• In coastal saline soils, the trial may be conducted in soils with electrical conductivity above 4 dSm^{-1} and pH < 7. • Select a homogeneously coastal saline area for main field • Raise the nursery in normal soil and sow the nursery as thin as possible • Transplant seedlings shallow • Seedlings per hill: 2-3 • Gap fill within a week of planting after recording the mortality of the seedlings • Transplant 30 days old seedlings & incorporate fertilizer evenly • No soil amendment or high doses of fertilizer to be added
14	Data to be collected:	• Soil characteristics: For coastal saline soils, pH and EC to be determined at 3 stages of crop growth i.e., 1) Before puddling/ transplanting, 2) Maximum tillering and 3) Flowering in 0-15 & 15-30 cm soil depth. Soil characteristics may be determined from 2 replications only. • EC and pH data of irrigation water/inundation water. • Water depth and duration of water during crop growth • Seedling survival percentage • Grain yield (kg/plot) based on net plot size to be reported • Days to 50% flowering & Plant height (cm) • Phenotypic acceptability • Reaction to pests and diseases • Rainfall during crop growth (Number of rainy days) • Maximum & minimum temperature
When the mean yield of the experiment is below 2 t/ha, kindly offer an explanation for the low yield.		

NB: i) Without the data on pH & EC at three stages of crop growth, data will not be considered.
ii) Since very frequently trials of CSTVT are getting inundated, which is typical of this ecology, data on the survived entries will be useful. Therefore please record data.
iii) It is requested that trial be conducted as per the technical program and record data properly. Many a time, data from several centres is not considered in the past due to poor conduct of trials. Therefore you are requested to conduct the trial to generate meaningful data.

Trial 50: Layout plan of entries in Initial Variety Trial - Coastal Saline Tolerant Variety Trial (IVT - CSTVT)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5001	201/5037	301/5034
102/5002	202/5001	302/5035
103/5003	203/5002	303/5036
104/5004	204/5003	304/5037
105/5005	205/5004	305/5001
106/5006	206/5005	306/5002
107/5007	207/5006	307/5003
108/5008	208/5007	308/5004
109/5009	209/5008	309/5005
110/5010	210/5009	310/5006
111/5011	211/5010	311/5007
112/5012	212/5011	312/5008
113/5013	213/5012	313/5009
114/5014	214/5013	314/5010
115/5015	215/5014	315/5011
116/5016	216/5015	316/5012
117/5017	217/5016	317/5013
118/5018	218/5017	318/5014
119/5019 (LC)	219/5018	319/5015
120/5020	220/5019 (LC)	320/5016
121/5021	221/5020	321/5017
122/5022	222/5021	322/5018
123/5023	223/5022	323/5019 (LC)
124/5024	224/5023	324/5020
125/5025	225/5024	325/5021
126/5026	226/5025	326/5022
127/5027	227/5026	327/5023
128/5028	228/5027	328/5024
129/5029	229/5028	329/5025
130/5030	230/5029	330/5026
131/5031	231/5030	331/5027
132/5032	232/5031	332/5028
133/5033	233/5032	333/5029
134/5034	234/5033	334/5030
135/5035	235/5034	335/5031
136/5036	236/5035	336/5032
137/5037	237/5036	337/5033

ZONE-VII

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1	Trial No.	**51**
2	Name of the trial	**Advance Variety Trial 2 & 1 – NIL (AVT 2 & 1-NIL)**
3	Objectives:	To study the comparative performance of elite cultures under aerobic conditions
4	Total Locations	18
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**15 sq m (This should be strictly followed)**
10	Spacing	20 x 15 cm
11	Total No. of entries	31
12	Check varieties:	Recurrent Parent and respective NIL entries were included
13	General instructions	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Number of fertile and sterile spikelets/Panicles(mean of 5 panicles each entry) • Spikelet fertility • Purity score: (UNI) • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 51: Layout plan of entries in Advance Variety Trial 2 & 1 – NIL (AVT 2 & 1 - NIL), Kharif 2025 (Zone VII)

Replication 1 Plot no/Entry No	Replication 2 Plot no/Entry No	Replication 3 Plot no/Entry No
101 /5105	201/5112	301 /5121
102 /5107	202/5118	302 /5113
103 /5103	203/5120	303 /5120
104 /5111	204/5117	304 /5112
105 /5110	205/5119	305 /5119
106 /5106	206/5116	306 /5111
107 /5108	207/5122	307 /5118
108 /5102	208/5115	308 /5110
109 /5101	209/5114	309 /5117
110 /5109	210/5113	310 /5108
111/5104	211/5109	311 /5101
112/5121	212/5103	312/5109
113/5113	213/5105	313/5107
114/5114	214/5108	314/5106
115/5115	215/5106	315/5122
116/5122	216/5102	316/5105
117/5116	217/5110	317/5102
118/5119	218/5104	318/5116
119/5117	219/5111	319/5104
120/5120	220/5101	320/5115
121/5118	221/5107	321/5103
122/5112	222/5121	322/5114
123/5123	223/5127	323/5128
124/5126	224/5130	324/5125
125/5129	225/5123	325/5131
126/5124	226/5126	326/5127
127/5128	227/5129	327/5130
128/5125	228/5124	328/5123
129/5131	229/5128	329/5126
130/5127	230/5125	330/5129
131/5130	231/5131	331/5124

Note: Total No. of entries in the trial are 31; For Zone-VII.

Zone III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**52**
2	Name of the trial:	**Advance Varietal Trial – Low Phosphorous Tolerance Trial (AVT 2 & 1 - LPT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	10 **(04 Locations for Zone III)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	**Fertilizers:**	**Nitrogen and Potash = Recommended Dose**
		Phosphorous= Two levels
		(i) P_{50} (50% of Phosphorous i.e. 30 Kg/ha)
		ii) P_{100} (100% of Phosphorous i.e. 60 Kg/ha)
8	Plant protection:	Need based
9	Plot size:	**Minimum: 3 sq m**
10	Spacing:	Transplanting:
		20 cm between rows
		15 cm between plants
11	No. of entries:	37 **(21 Entries for Zone III)**
12	Check varieties:	Vandana (**Positive very early duration**), Swarna (**Positive**), Rasi (**Positive**), Improved Samba Mahsuri (**Sensitive**), DRR Dhan 60 (**Positive**).
13	General Instruction:	• Genotypes should be evaluated at 50% Phosphorus (30kg P_2O_5/ha) and 100% Phosphorous(60kg P_2O_5/ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly of recommendation dose • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • Phosphorus content in grain in each plot after harvest • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No. 52: Layout plan of entries in AVT 2 & 1 - Low Phosphorus tolerance trial, Kharif 2025 (Zone III)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5204	201/5235	301/5229
102/5205	202/5204	302/5231
103/5206	203/5205	303/5232
104/5207	204/5206	304/5235
105/5208	205/5207	305/5204
106/5209	206/5208	306/5205
107/5213	207/5209	307/5206
108/5214	208/5213	308/5207
109/5217	209/5214	309/5208
110/5218	210/5217	310/5209
111/5219	211/5218	311/5213
112/5220	212/5219	312/5214
113/5221	213/5220	313/5217
114/5224	214/5221	314/5218
115/5225	215/5224	315/5219
116/5226	216/5225	316/5220
117/5228	217/5226	317/5221
118/5229	218/5228	318/5224
119/5231	219/5229	319/5225
120/5232	220/5231	320/5226
121/5235	221/5232	321/5228

NOTE: Same layout for two levels of Phosphorous

- **P_{50} (50% of Phosphorous i.e.30kgP_2O_5/ha)**
- **P_{100} (100% of Phosphorous i.e.60kgP_2O_5/ha)**

Zone VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**52**
2	Name of the trial:	**Advance Varietal Trial – Low Phosphorous Tolerance Trial (AVT 2 & 1 - LPT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	10 **(02 Locations for Zone VI)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	**Fertilizers:**	**Nitrogen and Potash = Recommended Dose**
		Phosphorous= Two levels
		(i) P_{50} (50% of Phosphorous i.e. 30 Kg/ha)
		ii) P_{100} (100% of Phosphorous i.e. 60 Kg/ha)
8	Plant protection:	Need based
9	Plot size:	**Minimum: 3 sq m**
10	Spacing:	Transplanting:
		20 cm between rows
		15 cm between plants
11	No. of entries:	37 **(21 Entries for Zone VI)**
12	Check varieties:	Vandana (**Positive very early duration**), Swarna (**Positive**), Rasi (**Positive**), Improved Samba Mahsuri (**Sensitive**), DRR Dhan 60 (**Positive**).
13	General Instruction:	• Genotypes should be evaluated at 50% Phosphorus (30kg P_2O_5/ha) and 100% Phosphorous(60kg P_2O_5/ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly of recommendation dose • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • Phosphorus content in grain in each plot after harvest • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No. 52: Layout plan of entries in AVT 2 & 1 - Low Phosphorus tolerance trial, Kharif 2025 (Zone VI)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5206	201/5236	301/5232
102/5213	202/5237	302/5233
103/5217	203/5206	303/5235
104/5218	204/5213	304/5236
105/5219	205/5217	305/5237
106/5220	206/5218	306/5206
107/5221	207/5219	307/5213
108/5222	208/5220	308/5217
109/5223	209/5221	309/5218
110/5225	210/5222	310/5219
111/5226	211/5223	311/5220
112/5227	212/5225	312/5221
113/5228	213/5226	313/5222
114/5229	214/5227	314/5223
115/5230	215/5228	315/5225
116/5231	216/5229	316/5226
117/5232	217/5230	317/5227
118/5233	218/5231	318/5228
119/5235	219/5232	319/5229
120/5236	220/5233	320/5230
121/5237	221/5235	321/5231

NOTE: Same layout for two levels of Phosphorous

- **P_{50} (50% of Phosphorous i.e.30kgP_2O_5/ha)**
- **P_{100}(100% of Phosphorous i.e.60kgP_2O_5/ha)**

Zone VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**52**
2	Name of the trial:	**Advance Varietal Trial – Low Phosphorous Tolerance Trial (AVT 2 & 1 - LPT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	10 **(04 Locations for Zone VII)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	**Fertilizers:**	**Nitrogen and Potash = Recommended Dose**
		Phosphorous= Two levels
		(i) P_{50} (50% of Phosphorous i.e. 30 Kg/ha)
		ii) P_{100} (100% of Phosphorous i.e. 60 Kg/ha)
8	Plant protection:	Need based
9	Plot size:	**Minimum: 3 sq m**
10	Spacing:	Transplanting:
		20 cm between rows
		15 cm between plants
11	No. of entries:	37 **(28 Entries for Zone VII)**
12	Check varieties:	Vandana (**Positive very early duration**), Swarna (**Positive**), Rasi (**Positive**), Improved Samba Mahsuri (**Sensitive**), DRR Dhan 60 (**Positive**).
13	General Instruction:	• Genotypes should be evaluated at 50% Phosphorus (30kg P_2O_5/ha) and 100% Phosphorous(60kg P_2O_5/ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly of recommendation dose • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • Phosphorus content in grain in each plot after harvest • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No. 52: Layout plan of entries in AVT 2 & 1 - Low Phosphorus tolerance trial, Kharif 2025 (Zone VII)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5228	201/5235	301/5231
102/5229	202/5201	302/5232
103/5231	203/5202	303/5234
104/5232	204/5203	304/5235
105/5234	205/5204	305/5201
106/5235	206/5205	306/5202
107/5201	207/5206	307/5203
108/5202	208/5207	308/5204
109/5203	209/5210	309/5205
110/5204	210/5211	310/5206
111/5205	211/5212	311/5207
112/5206	212/5213	312/5210
113/5207	213/5215	313/5211
114/5210	214/5216	314/5212
115/5211	215/5217	315/5213
116/5212	216/5218	316/5215
117/5213	217/5219	317/5216
118/5215	218/5220	318/5217
119/5216	219/5221	319/5218
120/5217	220/5222	320/5219
121/5218	221/5223	321/5220
122/5219	222/5224	322/5221
123/5220	223/5225	323/5222
124/5221	224/5228	324/5223
125/5222	225/5229	325/5224
126/5223	226/5231	326/5225
127/5224	227/5232	327/5228
128/5225	228/5234	328/5229

NOTE: Same layout for two levels of Phosphorous

- **P_{50} (50% of Phosphorous i.e.30kgP_2O_5/ha)**
- **P_{100} (100% of Phosphorous i.e.60kgP_2O_5/ha)**

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad-500030, Telangana
Kharif 2025

1	Trial No.	**53**
2	Name of the trial:	**Initial Varietal Trial – Low Phosphorous Tolerance Trial (IVT - LPT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	10
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	**Fertilizers:**	• **Nitrogen and Potash = Recommended Dose** • **Phosphorous= Two levels** • **P_{50} (50% of Phosphorous i.e. 30 Kg/ha)** • **P_{100} (100% of Phosphorous i.e. 60 Kg/ha)**
8	Plant protection:	Need based
9	Plot size:	**Minimum: 3 sq m**
10	Spacing:	Transplanting: ✓ 20 cm between row ✓ 15 cm between plants
11	No. of entries:	**20**
12	Check varieties:	Vandana (**Positive very early duration**), Swarna (**Positive**), Rasi (**Positive**), Improved Samba Mahsuri (**Sensitive**), DRR Dhan 60 (**Positive**).
13	General Instruction:	✓ Genotypes should be evaluated at 50% Phosphorus (30kg P_2O_5/ha) and 100% Phosphorous(60kg P_2O_5/ha) ✓ Sow the seed in bed as thin as possible ✓ Transplant 25-day old seedlings, one seedling / hill. ✓ Gap fill within a week of planting ✓ Incorporate fertilizer evenly of recommendation dose ✓ 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	✓ Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage ✓ Days to 50% flowering ✓ Plant height (cm) ✓ Total Tiller Number per plant ✓ Productive tiller per plant (No.) ✓ Panicle length (cm) ✓ No. of filled grains per panicle
		✓ Spikelet fertility percentage ✓ Grain yield per plot ✓ Grain yield Kg per ha ✓ Phosphorus content in grain in each plot after harvest ✓ Notes on pests, diseases and lodging ✓ Rainfall during the crop growth (Number of rainy days) ✓ Maximum and minimum temperature. ✓ Any other information

Trial No.53: Layout plan of entries in IVT - Low Phosphorus tolerance trial, Kharif 2025

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101 /5305	201/5312	301/5313
102 /5307	202/5318	302/5320
103 /5303	203/5320	303/5312
104 /5311	204/5317	304/5319
105 /5310	205/5319	305/5311
106 /5306	206/5316	306/5318
107 /5308	207/5315	307/5310
108 /5302	208/5314	308/5317
109 /5301	209/5313	309/5308
110 /5309	210/5309	310/5301
111/5304	211/5303	311/5309
112/5313	212/5305	312/5307
113/5314	213/5308	313/5306
114/5315	214/5306	314/5305
115/5316	215/5302	315/5302
116/5319	216/5310	316/5316
117/5317	217/5304	317/5304
118/5320	218/5311	318/5315
119/5318	219/5301	319/5303
120/5312	220/5307	320/5314

- **P_{50} (50% of Phosphorous i.e.30kgP_2O_5/ha)**
- **P_{100}(100% of Phosphorous i.e.60kgP_2O_5/ha)**

Zone II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**54**
2	Name of the trial:	**Advance Varietal Trial – Low Nitrogen Tolerance Trial (AVT 2 & 1 - LNT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	11 **(01 Location for Zone II)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• **Phosphorus and Potash = Recommended Dose** • **Nitrogen = Two levels** **I. N 50 (50% of Nitrogen) i.e. 50 Kg/ha** **II. N 100 (100% of Nitrogen) i.e.100 Kg/ha**
8	Plant protection:	Need based
9	Plot size:	**Minimum: 5 sq m**
10	Spacing:	Transplanting: ✓ 20 cm between rows ✓ 15 cm between plants
11	No. of entries:	23 **(18 Entries for Zone II)**
12	Check varieties:	**Positive Check**: Varadhan, Rasi, Swarna & DRR Dhan 64; **Sensitive Check**: Improved Samba Mahsuri
13	General Instruction:	• Genotypes should be evaluated at Two levels of nitrogen N50 (50kg N/ha) and N 100 (100 kg N /ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly as per the trial • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • % nitrogen in grain • Nitrogen Use Efficiency • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No.54: Layout plan of entries in AVT 2 & 1 - Low Nitrogen Tolerance trial, Kharif 2025 (Zone II)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5401	201/5423	301/5420
102/5404	202/5401	302/5421
103/5405	203/5404	303/5422
104/5406	204/5405	304/5423
105/5408	205/5406	305/5401
106/5409	206/5408	306/5404
107/5410	207/5409	307/5405
108/5411	208/5410	308/5406
109/5412	209/5411	309/5408
110/5415	210/5412	310/5409
111/5416	211/5415	311/5410
112/5417	212/5416	312/5411
113/5418	213/5417	313/5412
114/5419	214/5418	314/5415
115/5420	215/5419	315/5416
116/5421	216/5420	316/5417
117/5422	217/5421	317/5418
118/5423	218/5422	318/5419

NOTE: Same layout for two Levels of Nitrogen

(i) N_{50} (50% of Nitrogen i.e. 50 kg N/ha)

(ii) N_{100} (100% of Nitrogen i.e. 100 kg N/ha)

Zone III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**54**
2	Name of the trial:	**Advance Varietal Trial – Low Nitrogen Tolerance Trial (AVT 2 & 1 - LNT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	11 **(04 Locations for Zone III)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• **Phosphorus and Potash = Recommended Dose** • **Nitrogen = Two levels** **I. N 50 (50% of Nitrogen) i.e. 50 Kg/ha** **II. N 100 (100% of Nitrogen) i.e.100 Kg/ha**
8	Plant protection:	Need based
9	Plot size:	**Minimum: 5 sq m**
10	Spacing:	Transplanting: ✓ 20 cm between rows ✓ 15 cm between plants
11	No. of entries:	23 **(11 Entries for Zone III)**
12	Check varieties:	**Positive Check**: Varadhan, Rasi, Swarna & DRR Dhan 64; **Sensitive Check**: Improved Samba Mahsuri
13	General Instruction:	• Genotypes should be evaluated at Two levels of nitrogen N50 (50kg N/ha) and N 100 (100 kg N /ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly as per the trial • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • % nitrogen in grain • Nitrogen Use Efficiency • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No.54: Layout plan of entries in AVT 2 & 1 - Low Nitrogen Tolerance trial, Kharif 2025 (Zone III)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5401	201/5416	301/5411
102/5402	202/5421	302/5412
103/5404	203/5401	303/5414
104/5407	204/5402	304/5416
105/5408	205/5404	305/5421
106/5409	206/5407	306/5401
107/5411	207/5408	307/5402
108/5412	208/5409	308/5404
109/5414	209/5411	309/5407
110/5416	210/5412	310/5408
111/5421	211/5414	311/5409

NOTE: Same layout for two Levels of Nitrogen

(i) **N_{50}(50% of Nitrogen i.e. 50kgN/ha)**

(ii) **N_{100}(100% of Nitrogen i.e. 100kgN/ha)**

Zone VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**54**
2	Name of the trial:	**Advance Varietal Trial – Low Nitrogen Tolerance Trial (AVT 2 & 1 - LNT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	11 **(03 Location for Zone VI)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• **Phosphorus and Potash = Recommended Dose** • **Nitrogen = Two levels** **I. N 50 (50% of Nitrogen) i.e. 50 Kg/ha** **II. N 100 (100% of Nitrogen) i.e.100 Kg/ha**
8	Plant protection:	Need based
9	Plot size:	**Minimum: 5 sq m**
10	Spacing:	Transplanting: ✓ 20 cm between rows ✓ 15 cm between plants
11	No. of entries:	23 **(13 Entries for Zone VI)**
12	Check varieties:	**Positive Check**: Varadhan, Rasi, Swarna & DRR Dhan 64; **Sensitive Check**: Improved Samba Mahsuri
13	General Instruction:	• Genotypes should be evaluated at Two levels of nitrogen N50 (50kg N/ha) and N 100 (100 kg N /ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly as per the trial • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • % nitrogen in grain • Nitrogen Use Efficiency • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No.54: Layout plan of entries in AVT 2 & 1 - Low Nitrogen Tolerance trial, Kharif 2025 (Zone VI)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5401	201/5416	301/5409
102/5402	202/5421	302/5411
103/5403	203/5401	303/5412
104/5404	204/5402	304/5416
105/5405	205/5403	305/5421
106/5406	206/5404	306/5401
107/5407	207/5405	307/5402
108/5408	208/5406	308/5403
109/5409	209/5407	309/5404
110/5411	210/5408	310/5405
111/5412	211/5409	311/5406
112/5416	212/5411	312/5407
113/5421	213/5412	313/5408

NOTE: Same layout for two Levels of Nitrogen

(i) N_{50} (50% of Nitrogen i.e. 50kgN/ha)
(ii) N_{100} (100% of Nitrogen i.e. 100kgN/ha)

Zone VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad –500030, Telangana
Kharif 2025

1	Trial No.	**54**
2	Name of the trial:	**Advance Varietal Trial – Low Nitrogen Tolerance Trial (AVT 2 & 1 - LNT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	11 **(03 Location for Zone VII)**
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• **Phosphorus and Potash = Recommended Dose** • **Nitrogen = Two levels** **I. N 50 (50% of Nitrogen) i.e. 50 Kg/ha** **II. N 100 (100% of Nitrogen) i.e.100 Kg/ha**
8	Plant protection:	Need based
9	Plot size:	**Minimum: 5 sq m**
10	Spacing:	Transplanting: ✓ 20 cm between rows ✓ 15 cm between plants
11	No. of entries:	23 **(14 Entries for Zone VII)**
12	Check varieties:	**Positive Check**: Varadhan, Rasi, Swarna & DRR Dhan 64; **Sensitive Check**: Improved Samba Mahsuri
13	General Instruction:	• Genotypes should be evaluated at Two levels of nitrogen N50 (50kg N/ha) and N 100 (100 kg N /ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly as per the trial • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage • Grain yield per plot • Grain yield Kg per ha • % nitrogen in grain • Nitrogen Use Efficiency • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

Trial No.54: Layout plan of entries in AVT 2 & 1 - Low Nitrogen Tolerance trial, Kharif 2025 (Zone VII)

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101/5401	201/5421	301/5412
102/5403	202/5401	302/5413
103/5404	203/5403	303/5416
104/5405	204/5404	304/5421
105/5406	205/5405	305/5401
106/5407	206/5406	306/5403
107/5408	207/5407	307/5404
108/5409	208/5408	308/5405
109/5410	209/5409	309/5406
110/5411	210/5410	310/5407
111/5412	211/5411	311/5408
112/5413	212/5412	312/5409
113/5416	213/5413	313/5410
114/5421	214/5416	314/5411

NOTE: Same layout for two Levels of Nitrogen

(i) **N_{50} (50% of Nitrogen i.e. 50kgN/ha)**

(ii) **N_{100} (100% of Nitrogen i.e.100kgN/ha)**

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Kharif 2025

1	Trial No.	**55**
2	Name of the trial:	**Initial Variety Trial – Low Nitrogen Tolerance Trial (IVT-LNT)**
3	Objective:	To study the comparative performance of elite lines and cultivars for different levels of nitrogen
4	Locations:	11
5	Layout:	Randomized Block Design (RBD)
6	Replications:	3
7	Fertilizers:	• **Phosphorus and Potash = Recommended Dose** • **Nitrogen = Two levels** **I. N 50 (50% of Nitrogen) i.e. 50 Kg/ha** **II. N 100 (100% of Nitrogen) i.e.100 Kg/ha**
8	Plant protection:	Need based
9	Plot size:	**Minimum: 5 sq m**
10	Spacing:	• Transplanting: ✓ 20 cm between row ✓ 15 cm between plants
11	No. of entries:	**22**
12	Check varieties:	**Positive Check**: Varadhan, Rasi & Swarna; DRR Dhan 64 **Sensitive Check**: Improved Samba Mahsuri
13	General Instruction:	• Genotypes should be evaluated at Two levels of nitrogen N50 (50kg N/ha) and N 100 (100 kg N /ha) • Sow the seed in bed as thin as possible • Transplant 25-day old seedlings, one seedling / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly as per the trial • 50% of nitrogen at transplanting as basal dose and remaining 50% in two top dressings
14	Data to be collected:	• Soil Nitrogen content should be estimated before transplanting, 45 DAT and at harvesting stage • Days to 50% flowering • Plant height (cm) • Total Tiller Number per plant • Productive tiller per plant (No.) • Panicle length (cm) • No. of filled grains per panicle • Spikelet fertility percentage
		• Grain yield per plot • Grain yield Kg per ha • % nitrogen in grain • Nitrogen Use Efficiency • Notes on pests, diseases and lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature. • Any other information

TrialNo.55: Layout plan of entries in IVT - Low Nitrogen tolerance trial, Kharif 2025

Replication 1 Plot No./Entry No.	Replication 2 Plot No./Entry No.	Replication 3 Plot No./Entry No.
101 /5505	201/5512	301 /5521
102 /5507	202/5518	302 /5513
103 /5503	203/5520	303 /5520
104 /5511	204/5517	304 /5512
105 /5510	205/5519	305 /5519
106 /5506	206/5516	306 /5511
107 /5508	207/5522	307 /5518
108 /5502	208/5515	308 /5510
109 /5501	209/5514	309 5517
110 /5509	210/5513	310 /5508
111/5504	211/5509	311 /5501
112/5521	212/5503	312/5509
113/5513	213/5505	313/5507
114/5514	214/5508	314/5506
115/5515	215/5506	315/5522
116/5522	216/5502	316/5505
117/5516	217/5510	317/5502
118/5519	218/5504	318/5516
119/5517	219/5511	319/5504
120/5520	220/5501	320/5515
121/5518	221/5507	321/5503
122/5512	222/5521	322/5514

NOTE: Same layout for two levels of Nitrogen

(i) N_{50} (50% of Nitrogen i.e. 50kgN/ha)

(ii) N_{100}(100% of Nitrogen i.e. 100kgN/ha)

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Kharif 2025

1	**Trial No.**	**56**
2	Name of the trial:	**Advanced Varietal Trial & Initial Varietal Trial - Coloured Rice (AVT 1 & IVT – CR)**
3	Objective:	To study the comparative performance of early coloured rice cultures in transplanted irrigated conditions
4	Locations:	34
5	Layout:	Rectangular Lattice Design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection:	Need-based
9	Plot size:	10 sqm (This should be strictly followed)
10	Spacing:	20 cm between rows 15 cm between plants
11	No. of entries:	41
12	Check varieties:	Choharto (**Red Rice Check**), Jyothi (**Matta Red Rice Check**), Kauni (**Black Rice Check**) and **Local Check.**
13	General instructions	• Sow the seed in seedbed as thin as possible • Planting of 25 days old 2-3 seedling/hill • Transplant seedlings very shallow • 1-2 seedlings / hill. • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be collected:	• Days to 50% flowering (DFF) • Plant height (cm) • Panicles per sq m (No.) • 100 gms of seed should be supplied to ICAR-IIRR for estimation of Zinc and Iron**.** • Photographs during crop growth may also be submitted. • Number of fertile & sterile spikelets / Panicle • Spikelet Fertility % (SPF) • Purity score: (UNI) • 1 = >95% pure; 2 = 80-95% pure; 3 = < 80% pure • Number of completely sterile plants, if any • Grain yield (kg/plot) based on net plot size to be reported • Observations on incidence of diseases/pests • Grain type • Notes on lodging • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
When the mean yield of the experiment is below 4 t/ha, kindly offer an comments for the low yield,		

Trial No.56: Layout Plan of entries in Initial Varietal Trial- Coloured Rice (AVT 1 & IVT – CR),Kharif 2025

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5601	201/5641 (LC)	301/5638
102/5602	202/5601	302/5639
103/5603	203/5602	303/5640
104/5604	204/5603	304/5641 (LC)
105/5605	205/5604	305/5601
106/5606	206/5605	306/5602
107/5607	207/5606	307/5603
108/5608	208/5607	308/5604
109/5609	209/5608	309/5605
110/5610	210/5609	310/5606
111/5611	211/5610	311/5607
112/5612	212/5611	312/5608
113/5613	213/5612	313/5609
114/5614	214/5613	314/5610
115/5615	215/5614	315/5611
116/5616	216/5615	316/5612
117/5617	217/5616	317/5613
118/5618	218/5617	318/5614
119/5619	219/5618	319/5615
120/5620	220/5619	320/5616
121/5621	221/5620	321/5617
122/5622	222/5621	322/5618
123/5623	223/5622	323/5619
124/5624	224/5623	324/5620
125/5625	225/5624	325/5621
126/5626	226/5625	326/5622
127/5627	227/5626	327/5623
128/5628	228/5627	328/5624
129/5629	229/5628	329/5625
130/5630	230/5629	330/5626
131/5631	231/5630	331/5627
132/5632	232/5631	332/5628
133/5633	233/5632	333/5629
134/5634	234/5633	334/5630
135/5635	235/5634	335/5631
136/5636	236/5635	336/5632
137/5637	237/5636	337/5633
138/5638	238/5637	338/5634
139/5639	239/5638	339/5635
140/5640	240/5639	340/5636
141/5641 (LC)	241/5640	341/5637

Zone II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
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Kharif 2025

1	Trial No.	**57**
2	Name of the trial	**Advance Variety Trial & Initial Variety Trial – Aromatic Grain Type (AVT 2 & 1 & IVT - AGT) (Non-Basmati)**
3	Objectives:	To study the comparative performance of aromatic grain cultivars and elite lines for yield and quality
4	Total Locations	33 **(2 Locations for Zone II)**
5	Layout:	Rectangular Lattice Design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq m (This should be strictly followed)**
10	Spacing	20 x 15 cm
11	Total No. of entries	48 **(40 Entries for Zone II)**
12	Check Varieties:	Shobini (**National Check**), Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern) - **Zonal Check**, Dubraj Sel. 1 (**Quality Check**), Ketekijoha (**Quality Check**), RNR 15435 (**Check**) and **Local Check.**
13	General Instructions	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	Data to be Collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided whereverfacilities exist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 57: Layout plan of entries in Advance Variety Trial & Initial Variety Trial - Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025 (Zone II)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5702	201/5746	301/5745
102/5703	202/5747	302/5746
103/5704	203/5748 (LC)	303/5747
104/5709	204/5702	304/5748 (LC)
105/5711	205/5703	305/5702
106/5712	206/5704	306/5703
107/5713	207/5709	307/5704
108/5714	208/5711	308/5709
109/5715	209/5712	309/5711
110/5718	210/5713	310/5712
111/5719	211/5714	311/5713
112/5720	212/5715	312/5714
113/5721	213/5718	313/5715
114/5722	214/5719	314/5718
115/5723	215/5720	315/5719
116/5724	216/5721	316/5720
117/5725	217/5722	317/5721
118/5726	218/5723	318/5722
119/5727	219/5724	319/5723
120/5728	220/5725	320/5724
121/5729	221/5726	321/5725
122/5730	222/5727	322/5726
123/5731	223/5728	323/5727
124/5732	224/5729	324/5728
125/5733	225/5730	325/5729
126/5734	226/5731	326/5730
127/5735	227/5732	327/5731
128/5736	228/5733	328/5732
129/5737	229/5734	329/5733
130/5738	230/5735	330/5734
131/5739	231/5736	331/5735
132/5740	232/5737	332/5736
133/5741	233/5738	333/5737
134/5742	234/5739	334/5738
135/5743	235/5740	335/5739
136/5744	236/5741	336/5740
137/5745	237/5742	337/5741
138/5746	238/5743	338/5742
139/5747	239/5744	339/5743
140/5748 (LC)	240/5745	340/5744

Zone III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana,
Kharif 2025

1	**Trial No.**	**57**
2	**Name of the trial**	**Advance Variety Trial & Initial Variety Trial – Aromatic Grain Type (AVT 2 & 1 & IVT - AGT) (Non-Basmati)**
3	**Objectives:**	To study the comparative performance of aromatic grain cultivars and elite lines for yield and quality
4	**Total Locations**	33 **(13 Locations for Zone III)**
5	**Layout:**	Rectangular Lattice Design
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	48 **(42 Entries for Zone III)**
12	**Check Varieties:**	Shobini (**National Check**), Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern) - **Zonal Check**, Dubraj Sel. 1 (**Quality Check**), Ketekijoha (**Quality Check**), RNR 15435 (**Check**) and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 57: Layout plan of entries in Advance Variety Trial & Initial Variety Trial - Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025 (Zone III)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5702	201/5748 (LC)	301/5747
102/5703	202/5702	302/5748 (LC)
103/5704	203/5703	303/5702
104/5705	204/5704	304/5703
105/5708	205/5705	305/5704
106/5709	206/5708	306/5705
107/5711	207/5709	307/5708
108/5714	208/5711	308/5709
109/5715	209/5714	309/5711
110/5716	210/5715	310/5714
111/5717	211/5716	311/5715
112/5718	212/5717	312/5716
113/5719	213/5718	313/5717
114/5720	214/5719	314/5718
115/5721	215/5720	315/5719
116/5722	216/5721	316/5720
117/5723	217/5722	317/5721
118/5724	218/5723	318/5722
119/5725	219/5724	319/5723
120/5726	220/5725	320/5724
121/5727	221/5726	321/5725
122/5728	222/5727	322/5726
123/5729	223/5728	323/5727
124/5730	224/5729	324/5728
125/5731	225/5730	325/5729
126/5732	226/5731	326/5730
127/5733	227/5732	327/5731
128/5734	228/5733	328/5732
129/5735	229/5734	329/5733
130/5736	230/5735	330/5734
131/5737	231/5736	331/5735
132/5738	232/5737	332/5736
133/5739	233/5738	333/5737
134/5740	234/5739	334/5738
135/5741	235/5740	335/5739
136/5742	236/5741	336/5740
137/5743	237/5742	337/5741
138/5744	238/5743	338/5742
139/5745	239/5744	339/5743
140/5746	240/5745	340/5744
141/5747	241/5746	341/5745
142/5748 (LC)	242/5747	342/5746

Zone IV

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana,
Kharif 2025

1	**Trial No.**	**57**
2	**Name of the trial**	**Advance Variety Trial & Initial Variety Trial – Aromatic Grain Type (AVT 2 & 1 & IVT - AGT) (Non-Basmati)**
3	**Objectives:**	To study the comparative performance of aromatic grain cultivars and elite lines for yield and quality
4	**Total Locations**	33 **(3 Locations for Zone IV)**
5	**Layout:**	Rectangular Lattice Design
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	48 **(36 Entries for Zone IV)**
12	**Check Varieties:**	Shobini (**National Check**), Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern) - **Zonal Check**, Dubraj Sel. 1 (**Quality Check**), Ketekijoha (**Quality Check**), RNR 15435 (**Check**) and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 57: Layout plan of entries in Advance Variety Trial & Initial Variety Trial - Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025 (Zone IV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5704	201/5746	301/5743
102/5705	202/5747	302/5744
103/5709	203/5748 (LC)	303/5745
104/5710	204/5704	304/5746
105/5711	205/5705	305/5747
106/5718	206/5709	306/5748 (LC)
107/5719	207/5710	307/5704
108/5720	208/5711	308/5705
109/5721	209/5718	309/5709
110/5722	210/5719	310/5710
111/5723	211/5720	311/5711
112/5724	212/5721	312/5718
113/5725	213/5722	313/5719
114/5726	214/5723	314/5720
115/5727	215/5724	315/5721
116/5728	216/5725	316/5722
117/5729	217/5726	317/5723
118/5730	218/5727	318/5724
119/5731	219/5728	319/5725
120/5732	220/5729	320/5726
121/5733	221/5730	321/5727
122/5734	222/5731	322/5728
123/5735	223/5732	323/5729
124/5736	224/5733	324/5730
125/5737	225/5734	325/5731
126/5738	226/5735	326/5732
127/5739	227/5736	327/5733
128/5740	228/5737	328/5734
129/5741	229/5738	329/5735
130/5742	230/5739	330/5736
131/5743	231/5740	331/5737
132/5744	232/5741	332/5738
133/5745	233/5742	333/5739
134/5746	234/5743	334/5740
135/5747	235/5744	335/5741
136/5748 (LC)	236/5745	336/5742

Zone V

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana,
Kharif 2025

1	**Trial No.**	**57**
2	**Name of the trial**	**Advance Variety Trial & Initial Variety Trial – Aromatic Grain Type (AVT 2 & 1 & IVT - AGT) (Non-Basmati)**
3	**Objectives:**	To study the comparative performance of aromatic grain cultivars and elite lines for yield and quality
4	**Total Locations**	33 **(6 Locations for Zone V)**
5	**Layout:**	Rectangular Lattice Design
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	48 **(40 Entries for zone V)**
12	**Check Varieties:**	Shobini (**National Check**), Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern) - **Zonal Check**, Dubraj Sel. 1 (**Quality Check**), Ketekijoha (**Quality Check**), RNR 15435 (**Check**) and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided whereverfacilities exist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 57: Layout plan of entries in Advance Variety Trial & Initial Variety Trial - Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025 (Zone V)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5702	201/5746	301/5745
102/5703	202/5747	302/5746
103/5704	203/5748 (LC)	303/5747
104/5709	204/5702	304/5748 (LC)
105/5711	205/5703	305/5702
106/5714	206/5704	306/5703
107/5715	207/5709	307/5704
108/5716	208/5711	308/5709
109/5717	209/5714	309/5711
110/5718	210/5715	310/5714
111/5719	211/5716	311/5715
112/5720	212/5717	312/5716
113/5721	213/5718	313/5717
114/5722	214/5719	314/5718
115/5723	215/5720	315/5719
116/5724	216/5721	316/5720
117/5725	217/5722	317/5721
118/5726	218/5723	318/5722
119/5727	219/5724	319/5723
120/5728	220/5725	320/5724
121/5729	221/5726	321/5725
122/5730	222/5727	322/5726
123/5731	223/5728	323/5727
124/5732	224/5729	324/5728
125/5733	225/5730	325/5729
126/5734	226/5731	326/5730
127/5735	227/5732	327/5731
128/5736	228/5733	328/5732
129/5737	229/5734	329/5733
130/5738	230/5735	330/5734
131/5739	231/5736	331/5735
132/5740	232/5737	332/5736
133/5741	233/5738	333/5737
134/5742	234/5739	334/5738
135/5743	235/5740	335/5739
136/5744	236/5741	336/5740
137/5745	237/5742	337/5741
138/5746	238/5743	338/5742
139/5747	239/5744	339/5743
140/5748 (LC)	240/5745	340/5744

Zone VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana,
Kharif 2025

1	**Trial No.**	**57**
2	**Name of the trial**	**Advance Variety Trial & Initial Variety Trial – Aromatic Grain Type (AVT 2 & 1 & IVT - AGT) (Non-Basmati)**
3	**Objectives:**	To study the comparative performance of aromatic grain cultivars and elite lines for yield and quality
4	**Total Locations**	33 **(3 Locations for Zone VI)**
5	**Layout:**	Rectangular Lattice Design
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	48 **(36 Entries for zone VI)**
12	**Check Varieties:**	Shobini (**National Check**), Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern) - **Zonal Check**, Dubraj Sel. 1 (**Quality Check**), Ketekijoha (**Quality Check**), RNR 15435 (**Check**) and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 57: Layout plan of entries in Advance Variety Trial & Initial Variety Trial - Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025 (Zone VI)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5704	201/5746	301/5743
102/5709	202/5747	302/5744
103/5711	203/5748 (LC)	303/5745
104/5716	204/5704	304/5746
105/5717	205/5709	305/5747
106/5718	206/5711	306/5748 (LC)
107/5719	207/5716	307/5704
108/5720	208/5717	308/5709
109/5721	209/5718	309/5711
110/5722	210/5719	310/5716
111/5723	211/5720	311/5717
112/5724	212/5721	312/5718
113/5725	213/5722	313/5719
114/5726	214/5723	314/5720
115/5727	215/5724	315/5721
116/5728	216/5725	316/5722
117/5729	217/5726	317/5723
118/5730	218/5727	318/5724
119/5731	219/5728	319/5725
120/5732	220/5729	320/5726
121/5733	221/5730	321/5727
122/5734	222/5731	322/5728
123/5735	223/5732	323/5729
124/5736	224/5733	324/5730
125/5737	225/5734	325/5731
126/5738	226/5735	326/5732
127/5739	227/5736	327/5733
128/5740	228/5737	328/5734
129/5741	229/5738	329/5735
130/5742	230/5739	330/5736
131/5743	231/5740	331/5737
132/5744	232/5741	332/5738
133/5745	233/5742	333/5739
134/5746	234/5743	334/5740
135/5747	235/5744	335/5741
136/5748 (LC)	236/5745	336/5742

Zone VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana,
Kharif 2025

1	**Trial No.**	**57**
2	**Name of the trial**	**Advance Variety Trial & Initial Variety Trial – Aromatic Grain Type (AVT 2 & 1 & IVT - AGT) (Non-Basmati)**
3	**Objectives:**	To study the comparative performance of aromatic grain cultivars and elite lines for yield and quality
4	**Total Locations**	33 **(6 Locations for Zone VII)**
5	**Layout:**	Rectangular Lattice Design
6	**Replications:**	3
7	**Fertilizers:**	As per the recommendation of the centre
8	**Plant protection**	Need based
9	**Plot size**	**10 sq m (This should be strictly followed)**
10	**Spacing**	20 x 15 cm
11	**Total No. of entries**	48 **(37 Entries for Zone VII)**
12	**Check Varieties:**	Shobini (**National Check**), Badshabhog Sel.1 (Northern & Central) CR Sugandh Dhan 907 (Eastern & North Eastern), GAR-14 (Western), Sugandh Samba (Southern) - **Zonal Check**, Dubraj Sel. 1 (**Quality Check**), Ketekijoha (**Quality Check**), RNR 15435 (**Check**) and **Local Check.**
13	**General Instructions**	• Sow the seedbed as thin as possible • Transplant 25-day old seedlings • Transplant seedlings very shallow • Gap fill within a week of planting • Incorporate fertilizer evenly
14	**Data to be Collected:**	• Grain yield (kg/plot) based on net plot size to be reported • Panicles per sq m (No.) • Days to 50% flowering (No.) • Plant height (cm) • Spikelets/Panicle (No.) • Sterility percentage • Test Weight (g) • Notes on pests, diseases and lodging • Grain quality characteristics to be provided wherever facilities exist. • Rainfall during the crop growth (Number of rainy days) • Maximum and minimum temperature.
• When the mean yield of the experiment is below 4 t/ha, kindly offer an explanation for the low yield.		

Trial No. 57: Layout plan of entries in Advance Variety Trial & Initial Variety Trial - Aromatic Grain Type (AVT 2 & 1 & IVT – AGT) (Non-Basmati), Kharif 2025 (Zone VII)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5701	201/5748 (LC)	301/5745
102/5704	202/5701	302/5746
103/5706	203/5704	303/5747
104/5707	204/5706	304/5748 (LC)
105/5709	205/5707	305/5701
106/5711	206/5709	306/5704
107/5718	207/5711	307/5706
108/5719	208/5718	308/5707
109/5720	209/5719	309/5709
110/5721	210/5720	310/5711
111/5722	211/5721	311/5718
112/5723	212/5722	312/5719
113/5724	213/5723	313/5720
114/5725	214/5724	314/5721
115/5726	215/5725	315/5722
116/5727	216/5726	316/5723
117/5728	217/5727	317/5724
118/5729	218/5728	318/5725
119/5730	219/5729	319/5726
120/5731	220/5730	320/5727
121/5732	221/5731	321/5728
122/5733	222/5732	322/5729
123/5734	223/5733	323/5730
124/5735	224/5734	324/5731
125/5736	225/5735	325/5732
126/5737	226/5736	326/5733
127/5738	227/5737	327/5734
128/5739	228/5738	328/5735
129/5740	229/5739	329/5736
130/5741	230/5740	330/5737
131/5742	231/5741	331/5738
132/5743	232/5742	332/5739
133/5744	233/5743	333/5740
134/5745	234/5744	334/5741
135/5746	235/5745	335/5742
136/5747	236/5746	336/5743
137/5748 (LC)	237/5747	337/5744

Zone II

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**58**
2	Name of the trial	**Advance Variety Trial - DSR (AVT 1 - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	38 **(8 Locations for Zone II)**
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	17 **(13 Entries for Zone II)**
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 58: Layout plan of entries in Advance Variety Trial 1 DSR – Kharif 2025 (Zone – II)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5801	201/5817 (LC)	301/5810
102/5802	202/5801	302/5812
103/5803	203/5802	303/5813
104/5804	204/5803	304/5817 (LC)
105/5805	205/5804	305/5801
106/5806	206/5805	306/5802
107/5807	207/5806	307/5803
108/5808	208/5807	308/5804
109/5809	209/5808	309/5805
110/5810	210/5809	310/5806
111/5812	211/5810	311/5807
112/5813	212/5812	312/5808
113/5817 (LC)	213/5813	313/5809

Zone III

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**58**
2	Name of the trial	**Advance Variety Trial - DSR (AVT 1 - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	38 **(8 Locations for Zone III)**
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	17 **(13 Entries for Zone III)**
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 58: Layout plan of entries in Advance Variety Trial 1 DSR – Kharif 2025 (Zone – III)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5801	201/5817 (LC)	301/5810
102/5802	202/5801	302/5812
103/5803	203/5802	303/5813
104/5804	204/5803	304/5817 (LC)
105/5805	205/5804	305/5801
106/5806	206/5805	306/5802
107/5807	207/5806	307/5803
108/5808	208/5807	308/5804
109/5809	209/5808	309/5805
110/5810	210/5809	310/5806
111/5812	211/5810	311/5807
112/5813	212/5812	312/5808
113/5817 (LC)	213/5813	313/5809

Zone IV

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**58**
2	Name of the trial	**Advance Variety Trial - DSR (AVT 1 - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	38 **(2 Locations for Zone IV)**
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	17 **(13 Entries for Zone IV)**
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 58: Layout plan of entries in Advance Variety Trial 1 - DSR –Kharif 2025 (Zone – IV)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5801	201/5817 (LC)	301/5810
102/5802	202/5801	302/5812
103/5803	203/5802	303/5813
104/5804	204/5803	304/5817 (LC)
105/5805	205/5804	305/5801
106/5806	206/5805	306/5802
107/5807	207/5806	307/5803
108/5808	208/5807	308/5804
109/5809	209/5808	309/5805
110/5810	210/5809	310/5806
111/5812	211/5810	311/5807
112/5813	212/5812	312/5808
113/5817 (LC)	213/5813	313/5809

Zone V

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**58**
2	Name of the trial	**Advance Variety Trial - DSR (AVT 1 - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	38 **(3 Locations for Zone V)**
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	17 **(13 Entries for Zone V)**
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 58: Layout plan of entries in Advance Variety Trial 1 - DSR –Kharif 2025 (Zone – V)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5801	201/5817 (LC)	301/5810
102/5802	202/5801	302/5812
103/5803	203/5802	303/5813
104/5804	204/5803	304/5817 (LC)
105/5805	205/5804	305/5801
106/5806	206/5805	306/5802
107/5807	207/5806	307/5803
108/5808	208/5807	308/5804
109/5809	209/5808	309/5805
110/5810	210/5809	310/5806
111/5812	211/5810	311/5807
112/5813	212/5812	312/5808
113/5817 (LC)	213/5813	313/5809

Zone VI

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**58**
2	Name of the trial	**Advance Variety Trial – Irrigated dry DSR (AVT 1 - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	38 **(6 Locations for Zone VI)**
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	17 **(13 Entries for Zone VI)**
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 58: Layout plan of entries in Advance Variety Trial 1 - DSR –Kharif 2025 (Zone – VI)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5801	201/5817 (LC)	301/5810
102/5802	202/5801	302/5812
103/5803	203/5802	303/5813
104/5804	204/5803	304/5817 (LC)
105/5805	205/5804	305/5801
106/5806	206/5805	306/5802
107/5807	207/5806	307/5803
108/5808	208/5807	308/5804
109/5809	209/5808	309/5805
110/5810	210/5809	310/5806
111/5812	211/5810	311/5807
112/5813	212/5812	312/5808
113/5817 (LC)	213/5813	313/5809

Zone VII

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**58**
2	Name of the trial	**Advance Variety Trial – Irrigated dry DSR (AVT 1 - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	38 **(11 Locations for Zone VII)**
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	17
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 58: Layout plan of entries in Advance Variety Trial 1 - DSR – Kharif 2025 (Zone – VII)

Replication 1 Plot No./Entry No	Replication 2 Plot No./Entry No	Replication 3 Plot No./Entry No
101/5801	201/5817 (LC)	301/5815
102/5802	202/5801	302/5816
103/5803	203/5802	303/5817 (LC)
104/5804	204/5803	304/5801
105/5805	205/5804	305/5802
106/5806	206/5805	306/5803
107/5807	207/5806	307/5804
108/5808	208/5807	308/5805
109/5809	209/5808	309/5806
110/5810	210/5809	310/5807
111/5811	211/5810	311/5808
112/5812	212/5811	312/5809
113/5813	213/5812	313/5810
114/5814	214/5813	314/5811
115/5815	215/5814	315/5812
116/5816	216/5815	316/5813
117/5817 (LC)	217/5816	317/5814

ICAR-INDIAN INSTITUTE OF RICE RESEARCH
Rajendranagar, Hyderabad – 500 030, Telangana
Kharif 2025

1	Trial No.	**59**
2	Name of the trial	**Initial Variety Trial – Irrigated dry DSR (IVT - DSR)**
3	Objectives:	To study the comparative performance of mid-early duration elite cultures in irrigated areas
4	Total Locations	39
5	Layout:	Simple Lattice design
6	Replications:	3
7	Fertilizers:	As per the recommendation of the centre
8	Plant protection	Need based
9	Plot size	**10 sq.m (This should be strictly followed)**
10	Spacing	20 cm between rows, 15 cm between hills
11	Total No. of entries	64
12	Check varieties:	**Irrigated early dry DSR**: DRRH 4 (**Early Hybrid Check**), Shabhagidhan; **Irrigated medium dry DSR**: DRR Dhan 55, DRR Dhan 70; **Irrigated late dry DSR**: DRR Dhan 50, CR Dhan 702 (**Late Hybrid Check**) and **Local Check.**
13	General instructions	• Sow the seed directly on field or Dibble 2 or 3 seeds / hill at shallow depth • Apply Pendamethalene herbicide @ 1 kg/ha a.i per hectare at near saturated condition within 2-3 days after sowing. • Apply bispyribac sodium @ 250 ml/ha at 2-3 leaf stage of weeds. • Maintain saturation condition and provide need based frequent irrigation. • Crop should not suffer due to drought. • There should not be more than one day standing water in field
14	Fertilizer Application	• Recommended dose of Nitrogen application in 3 splits (1/3 at 10-12 days after rice emergence, 1/3 at maximum tillering stage & 1/3 at panicle initiation stage). • Recommended dose of P & K can be applied basal. • Whenever Iron deficiency is seen foliar spray of 1.5% FeSO4 solution 2-3 times at weekly interval
15	Data to be collected:	• Grain yield (kg/plot) based on net plot size to be reported • Panicles/sq m • Days to 50% flowering • Notes on pests, diseases and lodging • Plant height (cm) • Spikelet fertility • Rainfall data and quantity of irrigation water • Maximum and minimum temperature • Number of irrigations given in relation to crop growth.
When the mean yield of the experiment is below 3 t/ha, kindly offer an explanation for the low yield.		

Trial No. 59: Layout plan of entries in Initial Variety Trial – Irrigated dry DSR (IVT - DSR), Kharif 2025

Replication 1

101/5901	102/5902	103/5903	104/5904	105/5905	106/5906	107/5907	108/5908
109/5909	110/5910	111/5911	112/5912	113/5913	114/5914	115/5915	116/5916
117/5917	118/5918	119/5919	120/5920	121/5921	122/5922	123/5923	124/5924
125/5925	126/5926	127/5927	128/5928	129/5929	130/5930	131/5931	132/5932
133/5933	134/5934	135/5935	136/5936	137/5937	138/5938	139/5939	140/5940
141/5941	142/5942	143/5943	144/5944	145/5945	146/5946	147/5947	148/5948
149/5949	150/5950	151/5951	152/5952	153/5953	154/5954	155/5955	156/5956
157/5957	158/5958	159/5959	160/5960	161/5961	162/5962	163/5963	164/5964 (LC)

Replication 2

201/5931	202/5932	203/5933	204/5934	205/5901	206/5902	207/5903	208/5904
209/5905	210/5906	211/5907	212/5908	213/5909	214/5910	215/5911	216/5912
217/5913	218/5914	219/5915	220/5916	221/5917	222/5918	223/5919	224/5920
225/5921	226/5922	227/5923	228/5924	229/5925	230/5926	231/5927	232/5928
233/5929	234/5930	235/5940	236/5941	237/5942	238/5943	239/5944	240/5945
241/5946	242/5947	243/5948	244/5949	245/5950	246/5951	247/5952	248/5953
249/5954	250/5955	251/5956	252/5957	253/5958	254/5959	255/5960	256/5961
257/5962	258/5963	259/5964 (LC)	260/5935	261/5936	262/5937	263/5938	264/5939

Seed Despath Date of AICRP on Rice Trials Kharif-2025

Trial No.	Trial Name	Date of Dispatch (dd-mm-yy)
21	Initial Variety Trial – Boro (IVT - BORO)	19/11/2024
22	Advanced Varitey Trial 2&1 &Initial Variety Trial – Early –Transplanted (AVT 2&1 &IVT- E-TP)	19/11/2024
23	Advance Variety Trial 2&1 & Initial Variety Trial- Irrigated Early (Hills) –AVT 2&1 & IVT-E (H)	29/03/2025
24	Advance Variety Trial 2 & 1 & Initial Variety Trial -Medium (Hills) – AVT 2 & 1 & IVT- M (H)-Irrigated	29/03/2025
25	Initial Variety Trial-Upland (Hills) –IVT-U (H)	29/03/2025
26	Advance Variety Trial 2&1 & Initial Variety Trial - Japonica (AVT 2&1 & IVT-J)	01/04/2025
33	Advance Variety Trial 2&1– Early –Transplanted (AVT-2 &1 E-TP)	22/05/2025
34	Initial Variety Trial – Early –Transplanted (IVT- E-TP)	24/05/2025
35	Advance Variety Trial 2&1 – Irrigated Mid Early (AVT 2 & 1 IME)	22/05/2025
36	Initial Variety Trial – Irrigated Mid Early (IVT-IME)	31/05/2025
37	Advance Variety Trial 2&1 – Irrigated Medium (AVT 2 &1-IM)	22/05/2025
38	Initial Variety Trial – Irrigated Medium (IVT-IM)	29/05/2025
39	Advance Variety Trial 2 & 1–Late (AVT2 & 1–L)	22/05/2025
40	Initial Variety Trial –Late (IVT – L)	27/05/2025
41	Advance Variety Trial 2&1 – Aerobic (AVT 2& 1-Aerob)	29/05/2025
42	Initial Variety Trial – Aerobic (IVT-AEROB)	03/06/2025
43	Advance Variety Trial 2&1– Medium Slender Grain (AVT 2 & 1-MS)	29/05/2025
44	Initial Variety Trial– Medium Slender Grain (IVT-MS)	31/05/2025
45	Advance Variety Trial 2&1– Rice Biofortification (AVT 2&1 –BIOFORT)	09/06/2025
46	Initial Variety Trial – Rice Biofortification (IVT BIOFORT)	10/06/2025
47	Advance Variety Trial 2&1 - Alkaline and Inland Saline Tolerant Variety Trial (AVT 2&1 -AL& ISTVT)	05/06/2025
48	Initial Variety Trial 2&1 - Alkaline and Inland Saline Tolerant Variety Trial (IVT-AL& ISTVT)	05/06/2025
49	Advance Variety Trial 2&1 - Coastal Saline Tolerant Variety Trial (AVT 2&1-CSTVT)	31/05/2025
50	Initial Variety Trial - Coastal Saline Tolerant Variety Trial (IVT-CSTVT)	03/06/2025
51	Advance Variety Trial 2 & 1 – NIL and GEL (AVT 2 & 1-NIL & Gel)	17/06/2025
52	Advance Varietal Trial 2&1 – Low Phosphorous Tolerance Trial(AVT 2&1-LPT)	13/06/2025
53	Initial Varietal Trial– Low Phosphorous Tolerance Trial (IVT -LPT)	13/06/2025
54	Advance Varietal Trial 2&1 – Low Nitrogen Tolerance Trial (AVT 2&1-LNT)	13/06/2025
55	Initial Variety Trial – Low Nitrogen Tolerance Trial (IVT-LNT)	13/06/2025
56	Advance Varietal Trial 1 & Initial Varietal Trial - Coloured Rice (AVT 1& IVT – CR)	11/06/2025
57	Advance Variety Trial 2&1 & Initial Variety Trial – Aromatic Grain Type (AVT 2&1 & IVT AGT) (Non-Basmati)	11/06/2025
58	Advance Varietal Trial 1 dry DSR (AVT 1-DSR)	05/06/2025
59	Initial Variety Trial – Irrigated dry DSR (IVT-DSR)	09/06/2025

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