

Table 5.5. Peninsular Zone		RIR-TS-TAS		Centrewise Yield, q/ha		2025-26
Irrigation level	Genotype	Akola	Dharwad	Niphad	Pune	Zonal mean
Zero Irrigation	RPZ-RI-301	31.34	28.14	32.49	30.40	30.59
	RPZ-RI-302	24.27	21.91	31.96	29.72	26.97
	RPZ-RI-303	32.67	28.57	31.15	32.41	31.20
	RPZ-RI-304	34.93	25.72	37.86	31.03	32.39
	RPZ-RI-305	27.77	33.17	28.06	37.79	31.70
	Mean	30.20	27.50	32.30	32.27	30.57
One Irrigation	RPZ-RI-301	42.82	39.04	34.09	37.09	38.26
	RPZ-RI-302	33.59	39.71	33.00	39.79	36.52
	RPZ-RI-303	33.15	41.02	33.04	36.14	35.84
	RPZ-RI-304	43.91	35.69	40.28	35.94	38.95
	RPZ-RI-305	36.26	42.13	37.23	38.73	38.59
	Mean	37.95	39.52	35.53	37.54	37.63
Two Irrigation	RPZ-RI-301	36.81	42.43	40.83	49.16	42.30
	RPZ-RI-302	30.36	44.35	39.92	47.47	40.52
	RPZ-RI-303	40.50	45.70	41.11	42.81	42.53
	RPZ-RI-304	42.06	42.49	42.44	48.84	43.96
	RPZ-RI-305	30.91	46.19	39.23	47.39	40.93
	Mean	36.13	44.23	40.71	47.13	42.05
Mean	RPZ-RI-301	36.99	36.53	35.80	38.88	37.05
	RPZ-RI-302	29.41	35.32	34.96	38.99	34.67
	RPZ-RI-303	35.44	38.43	35.10	37.12	36.52
	RPZ-RI-304	40.30	34.64	40.19	38.60	38.43
	RPZ-RI-305	31.65	40.50	34.84	41.30	37.07
	Mean	34.76	37.08	36.18	38.98	36.75
CD (0.05)	Irrigation (A)	NS	2.60	1.81	1.88	1.78
	Genotype (B)	3.78	2.90	1.99	NS	1.63
	B within A	NS	NS	NS	NS	NS
	A within B	NS	NS	NS	NS	3.16
Date of Sowing:		11.11.2025	05.11.2025	07.11.2025	09.11.2025	
Date of Harvesting:			02.03.2026	22.02.2026	04.03.2026	
				28.02.2026		
				08.03.2026		

Table 5.6. Peninsular Zone			RIR-TS-TAS		Pooled		2025-26	
Genotype	Irrigation level						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
RPZ-RI-301	30.59	4	38.26	3	42.30	3	37.05	3
RPZ-RI-302	26.97	5	36.52	4	40.52	5	34.67	5
RPZ-RI-303	31.20	3	35.84	5	42.53	2	36.52	4
RPZ-RI-304	32.39	1	38.95	1	43.96	1	38.43	1
RPZ-RI-305	31.70	2	38.59	2	40.93	4	37.07	2
Mean	30.57		37.63		42.05		36.75	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	1.78		1.63		NS		3.16	
Earheads/sqm								
RPZ-RI-301	350	4	415	2	454	1	406	2
RPZ-RI-302	339	5	389	5	422	4	383	5
RPZ-RI-303	362	2	401	4	437	2	400	3
RPZ-RI-304	354	3	411	3	413	5	393	4
RPZ-RI-305	384	1	427	1	428	3	413	1
Mean	358		408		431		399	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	20.28		NS		NS		40.01	
Grains/Earhead								
RPZ-RI-301	24.72	2	25.49	1	24.78	4	25.00	2
RPZ-RI-302	22.44	4	24.01	3	25.02	3	23.82	4
RPZ-RI-303	25.41	1	24.86	2	26.08	2	25.45	1
RPZ-RI-304	24.42	3	23.39	4	26.43	1	24.75	3
RPZ-RI-305	21.44	5	22.86	5	24.06	5	22.79	5
Mean	23.69		24.12		25.27		24.36	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	NS		NS		NS		NS	
1000 Grains Weight, g								
RPZ-RI-301	37.59	4	38.70	4	39.69	5	38.66	4
RPZ-RI-302	38.30	3	41.94	3	42.29	2	40.85	3
RPZ-RI-303	36.37	5	38.37	5	39.94	4	38.23	5
RPZ-RI-304	40.81	2	43.13	1	43.14	1	42.36	1
RPZ-RI-305	41.26	1	42.61	2	41.87	3	41.92	2
Mean	38.87		40.95		41.39		40.40	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	0.76		0.73		NS		1.39	
Centres:	Akola, Dharwad, Niphad, Pune							

Table 5.6.1. Peninsular Zone			RIR-TS-TAS		Akola		2025-26	
Genotype	Irrigation level						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
RPZ-RI-301	31.34	3	42.82	2	36.81	3	36.99	2
RPZ-RI-302	24.27	5	33.59	4	30.36	5	29.41	5
RPZ-RI-303	32.67	2	33.15	5	40.50	2	35.44	3
RPZ-RI-304	34.93	1	43.91	1	42.06	1	40.30	1
RPZ-RI-305	27.77	4	36.26	3	30.91	4	31.65	4
Mean	30.20		37.95		36.13		34.76	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		2.62		7.89		29.15	
Genotype(B)	**		1.56		3.78		13.47	
B within A	NS		2.70		6.54			
A within B			3.56		8.62			
Earheads/sqm								
RPZ-RI-301	495	4	622	1	578	2	565	3
RPZ-RI-302	448	5	562	4	542	4	517	5
RPZ-RI-303	543	3	562	4	603	1	569	2
RPZ-RI-304	578	1	612	2	550	3	580	1
RPZ-RI-305	552	2	580	3	482	5	538	4
Mean	523		587		551		554	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		27.27		82.23		19.07	
Genotype(B)	NS		20.00		48.40		10.83	
B within A	NS		34.64		83.83			
A within B			41.28		99.88			
Grains/Earhead								
RPZ-RI-301	18.44	1	17.98	1	16.16	4	17.53	1
RPZ-RI-302	13.44	4	14.62	4	13.47	5	13.84	5
RPZ-RI-303	17.91	2	15.40	3	17.46	2	16.92	2
RPZ-RI-304	16.01	3	16.08	2	17.51	1	16.53	3
RPZ-RI-305	12.33	5	13.83	5	16.56	3	14.24	4
Mean	15.63		15.58		16.23		15.81	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		0.46		1.39		11.30	
Genotype(B)	**		0.69		1.66		13.02	
B within A	NS		1.19		2.88			
A within B			1.16		2.80			
1000 Grains Weight, g								
RPZ-RI-301	34.73	4	38.40	5	39.87	3	37.67	4
RPZ-RI-302	39.83	2	41.05	3	41.57	2	40.82	3
RPZ-RI-303	33.40	5	38.57	4	38.47	5	36.81	5
RPZ-RI-304	37.70	3	44.57	2	43.37	1	41.88	1
RPZ-RI-305	40.25	1	45.52	1	39.50	4	41.76	2
Mean	37.18		41.62		40.55		39.79	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.05		0.14		0.45	
Genotype(B)	**		0.24		0.58		1.81	
B within A	**		0.41		1.00			
A within B			0.37		0.91			
Date of Sowing:			11.11.2025					
Date of Harvesting:								

Table 5.6.2 Peninsular Zone			RIR-TS-TAS		Dharwad		2025-26	
Genotype	Irrigation level						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
RPZ-RI-301	28.14	3	39.04	4	42.43	5	36.53	3
RPZ-RI-302	21.91	5	39.71	3	44.35	3	35.32	4
RPZ-RI-303	28.57	2	41.02	2	45.70	2	38.43	2
RPZ-RI-304	25.72	4	35.69	5	42.49	4	34.64	5
RPZ-RI-305	33.17	1	42.13	1	46.19	1	40.50	1
Mean	27.50		39.52		44.23		37.08	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.86		2.60		9.00	
Genotype(B)	*		1.20		2.90		9.71	
B within A	NS		2.08		5.03			
A within B			2.05		4.96			
Earheads/sqm								
RPZ-RI-301	331	2	372	4	386	5	363	4
RPZ-RI-302	320	4	385	3	409	3	371	3
RPZ-RI-303	325	3	360	5	429	2	371	2
RPZ-RI-304	305	5	385	2	388	4	359	5
RPZ-RI-305	359	1	402	1	436	1	399	1
Mean	328		381		409		373	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		13.90		41.90		14.44	
Genotype(B)	NS		18.23		44.10		14.67	
B within A	NS		31.57		76.39			
A within B			31.47		76.15			
Grains/Earhead								
RPZ-RI-301	21.58	3	24.80	3	25.87	1	24.09	1
RPZ-RI-302	20.51	5	24.43	4	24.34	3	23.10	4
RPZ-RI-303	21.63	2	26.72	1	23.64	5	24.00	2
RPZ-RI-304	21.56	4	22.09	5	25.44	2	23.03	5
RPZ-RI-305	22.13	1	24.97	2	23.86	4	23.66	3
Mean	21.48		24.60		24.63		23.57	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		0.98		2.96		16.16	
Genotype(B)	NS		1.44		3.48		18.30	
B within A	NS		2.49		6.03			
A within B			2.43		5.89			
1000 Grains Weight, g								
RPZ-RI-301	40.39	3	42.65	4	43.41	5	42.15	3
RPZ-RI-302	34.07	5	42.75	3	44.84	3	40.55	5
RPZ-RI-303	41.59	2	42.99	2	45.32	2	43.30	2
RPZ-RI-304	38.91	4	42.15	5	44.33	4	41.80	4
RPZ-RI-305	42.13	1	43.03	1	46.08	1	43.75	1
Mean	39.42		42.72		44.80		42.31	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.77		2.33		7.07	
Genotype(B)	NS		0.79		1.91		5.60	
B within A	NS		1.37		3.31			
A within B			1.45		3.50			
Date of Sowing:			05.11.2025					
Date of Harvesting:			02.03.2026					

Table 5.6.3 Peninsular Zone			RIR-TS-TAS		Niphad		2025-26	
Genotype	Irrigation level						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
RPZ-RI-301	32.49	2	34.09	3	40.83	3	35.80	2
RPZ-RI-302	31.96	3	33.00	5	39.92	4	34.96	4
RPZ-RI-303	31.15	4	33.04	4	41.11	2	35.10	3
RPZ-RI-304	37.86	1	40.28	1	42.44	1	40.19	1
RPZ-RI-305	28.06	5	37.23	2	39.23	5	34.84	5
Mean	32.30		35.53		40.71		36.18	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.60		1.81		6.42	
Genotype(B)	**		0.82		1.99		6.83	
B within A	NS		1.43		3.45			
A within B			1.41		3.41			
Earheads/sqm								
RPZ-RI-301	273	4	282	4	358	2	304	4
RPZ-RI-302	270	5	279	5	336	5	295	5
RPZ-RI-303	277	2	312	3	344	4	311	3
RPZ-RI-304	282	1	326	1	373	1	327	1
RPZ-RI-305	276	3	314	2	347	3	312	2
Mean	276		303		352		310	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		2.97		8.95		3.71	
Genotype(B)	**		5.35		12.94		5.17	
B within A	NS		9.26		22.41			
A within B			8.80		21.29			
Grains/Earhead								
RPZ-RI-301	31.39	1	31.92	1	30.09	1	31.14	1
RPZ-RI-302	27.82	4	28.49	4	27.56	3	27.95	4
RPZ-RI-303	30.77	3	28.51	3	29.01	2	29.43	2
RPZ-RI-304	31.33	2	28.62	2	25.60	5	28.52	3
RPZ-RI-305	24.54	5	28.23	5	26.54	4	26.44	5
Mean	29.17		29.15		27.76		28.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		0.44		1.32		5.91	
Genotype(B)	NS		1.07		2.59		11.19	
B within A	NS		1.85		4.48			
A within B			1.71		4.15			
1000 Grains Weight, g								
RPZ-RI-301	37.89	4	38.13	4	38.35	5	38.12	5
RPZ-RI-302	42.51	2	41.56	3	43.17	2	42.41	2
RPZ-RI-303	36.36	5	37.20	5	41.45	4	38.34	4
RPZ-RI-304	42.97	1	43.66	1	44.40	1	43.68	1
RPZ-RI-305	41.74	3	41.97	2	42.76	3	42.16	3
Mean	40.29		40.50		42.03		40.94	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		0.61		1.85		5.81	
Genotype(B)	**		0.53		1.28		3.88	
B within A	NS		0.92		2.22			
A within B			1.02		2.48			
Date of Sowing:			07.11.2025					
Date of Harvesting:			22.02.2026		28.02.2026		08.03.2026	

Table 5.6.4 Peninsular Zone			RIR-TS-TAS		Pune		2025-26	
Genotype	Irrigation level						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
RPZ-RI-301	30.40	4	37.09	3	49.16	1	38.88	3
RPZ-RI-302	29.72	5	39.79	1	47.47	3	38.99	2
RPZ-RI-303	32.41	2	36.14	4	42.81	5	37.12	5
RPZ-RI-304	31.03	3	35.94	5	48.84	2	38.60	4
RPZ-RI-305	37.79	1	38.73	2	47.39	4	41.30	1
Mean	32.27		37.54		47.13		38.98	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.62		1.88		6.21	
Genotype(B)	NS		1.77		4.28		13.61	
B within A	NS		3.06		7.41			
A within B			2.81		6.80			
Earheads/sqm								
RPZ-RI-301	302	3	383	2	493	1	393	2
RPZ-RI-302	318	2	330	4	403	3	351	3
RPZ-RI-303	302	3	368	3	372	4	347	4
RPZ-RI-304	252	5	320	5	340	5	304	5
RPZ-RI-305	348	1	412	1	447	2	402	1
Mean	304		363		411		359	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		11.58		34.91		12.48	
Genotype(B)	NS		23.90		57.82		19.95	
B within A	NS		41.39		100.15			
A within B			38.79		93.85			
Grains/Earhead								
RPZ-RI-301	27.45	4	27.27	3	26.98	5	27.23	4
RPZ-RI-302	27.99	3	28.51	2	34.71	2	30.40	3
RPZ-RI-303	31.31	1	28.81	1	34.22	3	31.44	1
RPZ-RI-304	28.80	2	26.78	4	37.17	1	30.92	2
RPZ-RI-305	26.77	5	24.40	5	29.28	4	26.82	5
Mean	28.46		27.15		32.47		29.36	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		2.04		6.14		26.85	
Genotype(B)	NS		3.16		7.64		32.27	
B within A	NS		5.47		13.24			
A within B			5.30		12.82			
1000 Grains Weight, g								
RPZ-RI-301	37.33	3	35.60	4	37.13	4	36.69	4
RPZ-RI-302	36.80	4	42.40	1	39.60	2	39.60	3
RPZ-RI-303	34.13	5	34.73	5	34.53	5	34.47	5
RPZ-RI-304	43.67	1	42.13	2	40.47	1	42.09	1
RPZ-RI-305	40.93	2	39.93	3	39.13	3	40.00	2
Mean	38.57		38.96		38.17		38.57	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	NS		0.73		2.20		7.33	
Genotype(B)	**		0.76		1.84		5.93	
B within A	NS		1.32		3.19			
A within B			1.39		3.36			
Date of Sowing:			09.11.2025					
Date of Harvesting:			04.03.2026					