

Table 2.1. North Western Plains Zone		RIR-TS-TAS				Centrewise		Yield, q/ha		2025-26
Irrigation	Genotype	Agra	Gurdaspur	Hisar	Jammu	Karnal	Ludhiana	Pantnagar	Sriganganagar	Zonal mean
Zero	NW-RIR-501	43.39	56.98	39.90	31.49	71.81	28.32	41.12	28.95	42.74
	NW-RIR-502	40.08	55.31	39.46	29.56	67.22	28.19	34.39	24.85	39.88
	NW-RIR-503	38.25	52.24	41.30	30.74	64.21	29.22	36.54	27.20	39.96
	NW-RIR-504	36.67	51.19	35.34	36.02	62.50	36.04	31.17	29.20	39.76
	NW-RIR-505	37.50	51.56	36.94	34.86	59.21	24.85	33.66	24.83	37.93
	NW-RIR-506	35.73	50.62	36.23	31.78	59.95	29.22	36.35	25.41	38.16
	NW-RIR-507	37.08	52.16	39.46	30.74	65.09	35.67	37.00	30.07	40.91
	Mean	38.39	52.87	38.37	32.17	64.29	30.22	35.75	27.22	39.91
One	NW-RIR-501	65.38	63.60	46.94	43.42	73.19	41.29	45.56	47.62	53.37
	NW-RIR-502	62.45	63.93	45.41	38.35	73.70	41.56	43.28	44.09	51.60
	NW-RIR-503	60.08	61.47	45.54	42.33	64.54	44.49	46.52	49.12	51.76
	NW-RIR-504	57.28	59.38	43.37	46.95	66.85	46.26	43.60	44.08	50.97
	NW-RIR-505	59.05	55.60	43.81	45.84	69.31	36.88	44.81	41.70	49.62
	NW-RIR-506	56.54	52.24	42.82	44.70	66.16	37.03	44.22	43.35	48.38
	NW-RIR-507	58.47	60.60	44.42	45.24	65.05	45.58	47.53	39.34	50.78
	Mean	59.89	59.54	44.62	43.83	68.40	41.87	45.07	44.19	50.93
Two	NW-RIR-501	70.40	64.30	50.89	51.19	75.65	47.72	48.25	57.27	58.21
	NW-RIR-502	67.20	64.88	48.03	48.26	72.92	47.86	41.91	47.01	54.76
	NW-RIR-503	63.48	61.59	47.55	50.50	73.24	48.04	48.96	50.08	55.43
	NW-RIR-504	58.44	57.37	46.91	55.83	69.17	50.49	49.65	53.12	55.12
	NW-RIR-505	60.26	56.59	47.76	53.52	70.83	45.01	49.67	47.38	53.88
	NW-RIR-506	56.67	51.54	46.09	51.87	69.86	46.68	42.91	49.17	51.85
	NW-RIR-507	59.45	54.34	49.32	53.34	73.38	49.44	44.91	49.09	54.16
	Mean	62.27	58.66	48.08	52.07	72.15	47.89	46.61	50.45	54.77
Mean	NW-RIR-501	59.72	61.62	45.91	42.03	73.55	39.11	44.98	44.61	51.44
	NW-RIR-502	56.58	61.37	44.30	38.72	71.28	39.20	39.86	38.65	48.75
	NW-RIR-503	53.94	58.43	44.80	41.19	67.33	40.58	44.01	42.13	49.05
	NW-RIR-504	50.80	55.98	41.87	46.27	66.17	44.26	41.47	42.13	48.62
	NW-RIR-505	52.27	54.58	42.84	44.74	66.45	35.58	42.71	37.97	47.14
	NW-RIR-506	49.65	51.47	41.71	42.78	65.32	37.65	41.16	39.31	46.13
	NW-RIR-507	51.67	55.70	44.40	43.11	67.84	43.56	43.15	39.50	48.62
	Mean	53.52	57.02	43.69	42.69	68.28	39.99	42.48	40.62	48.54
CD (0.05)	Irrigation (A)	1.11	1.36	3.17	1.52	5.64	3.41	4.26	1.37	0.68
	Genotype (B)	1.03	3.44	2.10	3.76	4.18	3.61	3.23	2.65	0.90
	B within A	1.79	5.97	NS	NS	NS	NS	NS	4.60	NS
	A within B	1.84	5.61	NS	NS	NS	NS	NS	4.37	NS
Date of Sowing:		17.11.2025	06.11.2025	05.11.2025	25.11.2025	11.11.2025	..	20.11.2025	10.11.2025	
Date of Harvesting:		17.03.2026	24.04.2026	10.04.2026	01.05.2026	19.04.2026	..	17.04.2026	15.04.2026	

Table 2.1. North Western Plain Zone			RIR-TS-TAS		Pooled		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	42.74	1	53.37	1	58.21	1	51.44	1
NW-RIR-502	39.88	4	51.60	3	54.76	4	48.75	3
NW-RIR-503	39.96	3	51.76	2	55.43	2	49.05	2
NW-RIR-504	39.76	5	50.97	4	55.12	3	48.62	4
NW-RIR-505	37.93	7	49.62	6	53.88	6	47.14	6
NW-RIR-506	38.16	6	48.38	7	51.85	7	46.13	7
NW-RIR-507	40.91	2	50.78	5	54.16	5	48.62	5
Mean	39.91		50.93		54.77		48.54	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	0.68		0.90		NS		NS	
Earhead/sq.m.								
NW-RIR-501	312	2	363	2	362	4	345	2
NW-RIR-502	285	7	331	7	353	5	323	7
NW-RIR-503	301	5	344	5	365	3	337	4
NW-RIR-504	322	1	365	1	385	1	357	1
NW-RIR-505	307	3	352	3	367	2	342	3
NW-RIR-506	303	4	341	6	345	7	330	6
NW-RIR-507	301	6	345	4	353	6	333	5
Mean	304		349		362		338	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	6.00		6.59		NS		NS	
Grains/earhead								
NW-RIR-501	33.76	2	34.89	5	37.08	1	35.24	2
NW-RIR-502	32.09	5	35.33	3	34.27	6	33.90	5
NW-RIR-503	32.40	4	36.42	1	34.69	4	34.51	4
NW-RIR-504	29.79	7	33.22	7	32.31	7	31.78	7
NW-RIR-505	30.30	6	33.31	6	34.36	5	32.66	6
NW-RIR-506	33.13	3	35.94	2	36.70	2	35.26	1
NW-RIR-507	34.66	1	35.31	4	35.20	3	35.06	3
Mean	32.30		34.92		34.95		34.06	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	0.74		0.95		NS		NS	
1000 grains weight, g								
NW-RIR-501	40.42	6	42.81	4	44.32	4	42.52	5
NW-RIR-502	44.01	1	44.74	1	46.21	1	44.99	1
NW-RIR-503	40.50	5	42.07	6	44.85	3	42.48	6
NW-RIR-504	42.28	2	43.45	2	45.57	2	43.77	2
NW-RIR-505	41.30	3	42.96	3	44.27	5	42.84	3
NW-RIR-506	38.34	7	40.07	7	41.31	7	39.91	7
NW-RIR-507	40.62	4	42.69	5	44.27	6	42.53	4
Mean	41.07		42.68		44.40		42.72	
	Irrigation (A)		Genotype (B)		B within A		A within B	
CD (0.05)	0.38		0.49		NS		NS	
Centres: Agra, Gurdaspur, Hisar, Jammu, Karnal, Ludhiana, Pantnagar and Sriganaganagar								

Table 2.1.1 North Western Plains Zone			RIR-TS-TAS		Agra		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	43.39	1	65.38	1	70.40	1	59.72	1
NW-RIR-502	40.08	2	62.45	2	67.20	2	56.58	2
NW-RIR-503	38.25	3	60.08	3	63.48	3	53.94	3
NW-RIR-504	36.67	6	57.28	6	58.44	6	50.80	6
NW-RIR-505	37.50	4	59.05	4	60.26	4	52.27	4
NW-RIR-506	35.73	7	56.54	7	56.67	7	49.65	7
NW-RIR-507	37.08	5	58.47	5	59.45	5	51.67	5
Mean	38.39		59.89		62.27		53.52	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.28		1.11		2.41	
Genotype (B)	**		0.36		1.03		2.02	
B within A	**		0.62		1.79			
A within B			0.64		1.84			
Earhead/sq.m.								
NW-RIR-501	283	1	348	1	366	1	332	1
NW-RIR-502	276	2	341	2	363	2	327	2
NW-RIR-503	270	3	335	3	350	3	318	3
NW-RIR-504	247	6	316	6	341	6	301	6
NW-RIR-505	261	4	329	4	347	4	312	4
NW-RIR-506	240	7	306	7	338	7	295	7
NW-RIR-507	255	5	321	5	343	5	306	5
Mean	262		328		350		313	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.76		2.99		1.11	
Genotype (B)	**		1.54		4.42		1.47	
B within A	N.S.		2.67		7.65			
A within B			2.58		7.41			
Grains/earhead								
NW-RIR-501	35.79	3	43.30	5	43.55	1	40.88	2
NW-RIR-502	33.99	6	42.52	6	41.77	3	39.43	6
NW-RIR-503	33.55	7	42.12	7	42.17	2	39.28	7
NW-RIR-504	37.18	2	44.04	3	41.01	7	40.74	3
NW-RIR-505	34.81	5	43.44	4	41.69	4	39.98	5
NW-RIR-506	37.54	1	46.39	1	41.31	6	41.75	1
NW-RIR-507	35.33	4	45.27	2	41.42	5	40.67	4
Mean	35.46		43.87		41.84		40.39	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.16		0.61		1.77	
Genotype (B)	**		0.47		1.34		3.47	
B within A	*		0.81		2.32			
A within B			0.76		2.19			
1000 grains weight, g								
NW-RIR-501	42.87	1	43.33	1	44.24	2	43.48	1
NW-RIR-502	42.76	2	43.03	2	44.36	1	43.38	2
NW-RIR-503	42.23	3	42.65	3	42.98	3	42.62	3
NW-RIR-504	39.92	6	41.17	5	41.85	5	40.98	6
NW-RIR-505	41.31	4	41.34	4	41.67	6	41.44	4
NW-RIR-506	39.75	7	39.85	7	40.66	7	40.09	7
NW-RIR-507	41.24	5	40.27	6	41.94	4	41.15	5
Mean	41.44		41.66		42.53		41.88	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.09		0.34		0.95	
Genotype (B)	**		0.31		0.88		2.19	
B within A	N.S.		0.53		1.52			
A within B			0.50		1.43			
Date of Sowing:	17.11.2025		Date of Harvesting:		17.03.2026			

Table 2.1.2 North Western Plains Zone

RIR-TS-TAS

Delhi

2025-26

Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	24.87	2	21.95	7	31.26	5	26.03	7
NW-RIR-502	23.06	7	26.53	6	32.61	1	27.40	6
NW-RIR-503	23.85	5	27.59	5	31.97	3	27.80	5
NW-RIR-504	24.52	3	32.88	1	28.70	7	28.70	3
NW-RIR-505	23.67	6	31.95	2	32.38	2	29.33	2
NW-RIR-506	24.35	4	30.99	3	29.54	6	28.29	4
NW-RIR-507	27.32	1	30.02	4	31.39	4	29.58	1
Mean	24.52		28.84		31.12		28.16	
F. Test								
Irrigation (A)	*		SEm		CD (0.05)		CV (%)	
			1.68		6.59		27.30	
Genotype (B)	N.S.		1.06		3.04		11.29	
B within A	*		1.84		5.27			
A within B			2.39		6.85			
Earhead/sq.m.								
NW-RIR-501	254	1	207	7	290	1	250	2
NW-RIR-502	217	7	267	1	259	5	248	4
NW-RIR-503	246	3	251	2	273	2	256	1
NW-RIR-504	247	2	239	3	245	7	244	5
NW-RIR-505	219	6	218	6	255	6	230	7
NW-RIR-506	243	5	224	5	262	4	243	6
NW-RIR-507	243	4	236	4	267	3	249	3
Mean	238		234		264		246	
F. Test								
Irrigation (A)	*		SEm		CD (0.05)		CV (%)	
			9.73		18.21		18.15	
Genotype (B)	N.S.		10.10		28.99		12.34	
B within A	N.S.		17.50		50.22			
A within B			18.90		54.24			
Grains/earhead								
NW-RIR-501	24.96	7	28.14	5	26.59	7	26.56	7
NW-RIR-502	29.93	2	24.48	7	30.35	3	28.25	6
NW-RIR-503	28.87	4	27.16	6	30.38	2	28.64	5
NW-RIR-504	34.98	6	36.51	2	26.88	6	30.11	4
NW-RIR-505	28.10	5	37.53	1	32.70	1	32.78	1
NW-RIR-506	28.91	3	35.12	3	29.10	4	31.04	3
NW-RIR-507	31.35	1	34.13	4	27.96	5	31.14	2
Mean	28.37		31.87		29.14		29.79	
F. Test								
Irrigation (A)	*		SEm		CD (0.05)		CV (%)	
			0.85		3.34		13.09	
Genotype (B)	N.S.		1.58		4.53		15.90	
B within A	N.S.		2.74		7.85			
A within B			2.67		7.67			
1000 grains weight, g								
NW-RIR-501	39.33	1	38.00	5	41.33	3	39.56	1
NW-RIR-502	35.33	6	40.67	1	41.33	3	39.11	3
NW-RIR-503	36.00	4	40.67	1	39.33	5	38.67	4
NW-RIR-504	36.33	3	38.00	5	44.00	1	39.44	2
NW-RIR-505	38.00	2	39.33	3	38.67	7	38.67	4
NW-RIR-506	35.33	6	39.33	3	39.33	5	38.00	7
NW-RIR-507	36.00	4	37.33	7	42.00	2	38.44	6
Mean	36.62		39.05		40.86		38.84	
F. Test								
Irrigation (A)	**		SEm		CD (0.05)		CV (%)	
			0.41		1.61		4.84	
Genotype (B)	N.S.		0.97		2.80		7.52	
B within A	N.S.		1.69		4.84			
A within B			1.62		4.63			
Date of Sowing:	..		Date of Harvesting:		..			

Not included in pooled due to low mean yield

Table 2.1.3 North Western Plains Zone			RIR-TS-TAS		Durgapura		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	28.48	6	29.59	7	35.29	7	31.12	7
NW-RIR-502	29.29	3	36.47	2	38.84	3	34.87	3
NW-RIR-503	29.25	4	36.29	3	37.54	5	34.36	5
NW-RIR-504	29.35	2	39.19	1	40.14	2	36.23	1
NW-RIR-505	33.36	1	35.38	4	36.54	6	35.09	2
NW-RIR-506	26.77	7	32.85	5	44.81	1	34.81	4
NW-RIR-507	28.81	5	32.60	6	38.38	4	33.26	6
Mean	29.33		34.63		38.79		34.25	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		1.19		4.67		15.92	
Genotype (B)	N.S.		1.41		4.03		12.32	
B within A	N.S.		2.44		6.99			
A within B			2.55		7.31			
Earhead/sq.m.								
NW-RIR-501	292	3	289	5	342	2	308	4
NW-RIR-502	242	6	313	2	307	3	287	6
NW-RIR-503	192	7	233	7	299	7	232	7
NW-RIR-504	274	5	352	1	391	1	339	2
NW-RIR-505	286	4	293	4	311	4	297	5
NW-RIR-506	399	1	301	3	340	3	347	1
NW-RIR-507	360	2	280	6	299	6	313	3
Mean	292		292		323		303	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		6.43		25.24		9.72	
Genotype (B)			7.27		20.86		7.19	
B within A	**		12.59		36.14			
A within B			13.31		38.20			
Grains/earhead								
NW-RIR-501	36.88	2	38.21	2	37.62	2	37.57	2
NW-RIR-502	34.97	4	32.77	6	34.43	6	34.06	4
NW-RIR-503	41.45	1	41.63	1	36.56	4	39.88	1
NW-RIR-504	31.31	5	30.32	7	26.03	7	29.22	7
NW-RIR-505	36.72	3	37.15	3	34.80	5	36.22	3
NW-RIR-506	22.16	7	34.37	5	39.58	1	32.04	6
NW-RIR-507	26.09	6	36.28	4	37.31	3	33.23	5
Mean	32.80		35.82		35.19		34.60	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.90		3.55		11.98	
Genotype (B)	**		1.73		4.97		15.03	
B within A	*		3.00		8.62			
A within B			2.92		8.39			
1000 grains weight, g								
NW-RIR-501	26.54	7	26.97	7	27.52	7	27.01	7
NW-RIR-502	34.75	2	35.51	3	36.93	3	35.73	3
NW-RIR-503	36.66	1	37.29	1	38.75	2	37.57	1
NW-RIR-504	34.35	3	37.05	2	39.36	1	36.92	2
NW-RIR-505	31.89	4	32.60	5	33.62	5	32.70	4
NW-RIR-506	30.29	6	32.62	4	33.36	6	32.09	6
NW-RIR-507	30.73	5	32.25	6	34.59	4	32.52	5
Mean	32.17		33.47		34.88		33.51	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.25		0.98		3.42	
Genotype (B)	**		0.20		0.58		1.82	
B within A	**		0.35		1.01			
A within B			0.41		1.18			
Date of Sowing:	12.11.2025		Date of Harvesting:		05.04.2025			

Table 2.1.4 North Western Plains Zone			RIR-TS-TAS		Gurdaspur		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	56.98	1	63.60	2	64.30	2	61.62	1
NW-RIR-502	55.31	2	63.93	1	64.88	1	61.37	2
NW-RIR-503	52.24	3	61.47	3	61.59	3	58.43	3
NW-RIR-504	51.19	6	59.38	5	57.37	4	55.98	4
NW-RIR-505	51.56	5	55.60	6	56.59	5	54.58	6
NW-RIR-506	50.62	7	52.24	7	51.54	7	51.47	7
NW-RIR-507	52.16	4	60.60	4	54.34	6	55.70	5
Mean	52.87		59.54		58.66		57.02	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.35		1.36		2.78	
Genotype (B)	**		1.20		3.44		6.31	
B within A	N.S.		2.08		5.97			
A within B			1.96		5.61			
Earhead/sq.m.								
NW-RIR-501	353	1	357	3	324	6	345	1
NW-RIR-502	316	6	333	6	329	3	326	6
NW-RIR-503	328	5	358	1	324	5	337	5
NW-RIR-504	336	3	347	4	351	1	344	2
NW-RIR-505	348	2	344	5	326	4	339	4
NW-RIR-506	301	7	315	7	305	7	307	7
NW-RIR-507	332	4	358	2	337	2	342	3
Mean	330		345		328		334	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		4.59		18.01		6.29	
Genotype (B)	**		3.51		10.07		3.15	
B within A	**		6.08		17.45			
A within B			7.26		20.84			
Grains/earhead								
NW-RIR-501	40.42	2	44.03	2	49.41	1	44.62	2
NW-RIR-502	42.34	1	46.52	1	48.58	2	45.81	1
NW-RIR-503	39.63	5	42.91	5	46.89	3	43.14	3
NW-RIR-504	37.50	7	43.08	4	39.13	7	39.91	6
NW-RIR-505	37.52	6	39.98	6	41.72	4	39.74	7
NW-RIR-506	40.14	3	39.79	7	41.09	5	40.34	5
NW-RIR-507	39.95	4	43.39	3	39.87	6	41.07	4
Mean	39.64		42.81		43.81		42.09	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.86		3.38		9.39	
Genotype (B)	**		1.00		2.87		7.14	
B within A	N.S.		1.73		4.98			
A within B			1.82		5.23			
1000 grains weight, g								
NW-RIR-501	39.93	5	40.43	4	40.25	7	40.20	6
NW-RIR-502	41.39	2	41.26	2	40.60	4	41.09	2
NW-RIR-503	40.34	4	40.09	5	40.53	5	40.32	5
NW-RIR-504	40.90	3	39.89	6	41.78	1	40.86	3
NW-RIR-505	39.65	6	40.52	3	41.60	2	40.59	4
NW-RIR-506	42.01	1	41.64	1	41.17	3	41.61	1
NW-RIR-507	39.50	7	39.09	7	40.42	6	39.67	7
Mean	40.53		40.42		40.91		40.62	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	N.S.		0.38		1.49		4.28	
Genotype (B)	N.S.		0.47		1.36		3.49	
B within A	N.S.		0.82		2.35			
A within B			0.85		2.43			
Date of Sowing:	06.11.2025		Date of Harvesting:		24.04.2026			

Table 2.1.5 North Western Plains Zone			RIR-TS-TAS			Hisar	2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	39.90	2	46.94	1	50.89	1	45.91	1
NW-RIR-502	39.46	3	45.41	3	48.03	3	44.30	4
NW-RIR-503	41.30	1	45.54	2	47.55	5	44.80	2
NW-RIR-504	35.34	7	43.37	6	46.91	6	41.87	6
NW-RIR-505	36.94	5	43.81	5	47.76	4	42.84	5
NW-RIR-506	36.23	6	42.82	7	46.09	7	41.71	7
NW-RIR-507	39.46	4	44.42	4	49.32	2	44.40	3
Mean	38.37		44.62		48.08		43.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.81		3.17		8.47	
Genotype (B)	**		0.73		2.10		5.03	
B within A	N.S.		1.27		3.64			
A within B			1.43		4.09			
Earhead/sq.m.								
NW-RIR-501	385	1	427	1	450	1	421	1
NW-RIR-502	337	5	378	4	403	3	373	4
NW-RIR-503	350	3	383	3	403	3	379	3
NW-RIR-504	363	2	410	2	450	1	408	2
NW-RIR-505	327	6	377	5	402	5	368	5
NW-RIR-506	338	4	373	6	383	7	365	6
NW-RIR-507	325	7	367	7	387	6	359	7
Mean	346		388		411		382	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		6.10		23.94		7.32	
Genotype (B)	**		6.64		19.04		5.21	
B within A	N.S.		11.49		32.98			
A within B			12.26		35.19			
Grains/earhead								
NW-RIR-501	24.25	5	25.91	5	26.41	5	25.52	5
NW-RIR-502	23.56	6	25.52	6	24.58	6	24.55	6
NW-RIR-503	27.79	3	28.99	2	26.42	4	27.74	4
NW-RIR-504	21.35	7	23.55	7	23.19	7	22.70	7
NW-RIR-505	27.23	4	28.14	3	28.00	3	27.79	3
NW-RIR-506	28.47	2	29.90	1	29.46	2	29.28	1
NW-RIR-507	29.84	1	27.49	4	29.91	1	29.08	2
Mean	26.07		27.07		26.85		26.66	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.27		1.05		4.60	
Genotype (B)	**		0.65		1.86		7.29	
B within A	N.S.		1.12		3.22			
A within B			1.07		3.08			
1000 grains weight, g								
NW-RIR-501	42.80	3	42.47	4	42.94	4	42.74	4
NW-RIR-502	49.76	1	47.26	1	48.53	1	48.52	1
NW-RIR-503	42.54	4	41.27	6	44.83	3	42.88	3
NW-RIR-504	45.52	2	44.93	2	44.98	2	45.14	2
NW-RIR-505	41.52	5	41.44	5	42.75	5	41.90	6
NW-RIR-506	37.66	7	38.37	7	40.99	7	39.00	7
NW-RIR-507	40.75	6	44.22	3	42.69	6	42.55	5
Mean	42.93		42.85		43.96		43.25	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	N.S.		0.48		1.90		5.13	
Genotype (B)	**		0.34		0.98		2.37	
B within A	**		0.59		1.70			
A within B			0.73		2.10			
Date of Sowing:	05.11.2025		Date of Harvesting:		10.04.2026			

Table 2.1.6 North Western Plains Zone			RIR-TS-TAS		Jammu		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	31.49	4	43.42	5	51.19	5	42.03	5
NW-RIR-502	29.56	7	38.35	7	48.26	7	38.72	7
NW-RIR-503	30.74	5	42.33	6	50.50	6	41.19	6
NW-RIR-504	36.02	1	46.95	1	55.83	1	46.27	1
NW-RIR-505	34.86	2	45.84	2	53.52	2	44.74	2
NW-RIR-506	31.78	3	44.70	4	51.87	4	42.78	4
NW-RIR-507	30.74	5	45.24	3	53.34	3	43.11	3
Mean	32.17		43.83		52.07		42.69	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.39		1.52		4.16	
Genotype (B)	**		1.31		3.76		9.20	
B within A	N.S.		2.27		6.51			
A within B			2.14		6.13			
Earhead/sq.m.								
NW-RIR-501	309	7	340	7	368	5	339	7
NW-RIR-502	318	6	341	6	364	7	341	6
NW-RIR-503	321	3	341	5	364	6	342	5
NW-RIR-504	321	2	351	1	402	1	358	1
NW-RIR-505	320	5	350	2	392	2	354	2
NW-RIR-506	320	4	344	4	379	4	348	4
NW-RIR-507	323	1	348	3	382	3	351	3
Mean	319		345		379		347	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		5.15		20.23		6.79	
Genotype (B)	*		4.45		12.77		3.84	
B within A	N.S.		7.71		22.13			
A within B			8.80		25.26			
Grains/earhead								
NW-RIR-501	29.15	3	32.26	1	31.41	2	30.94	1
NW-RIR-502	27.29	6	29.29	7	30.70	5	29.09	7
NW-RIR-503	27.62	5	31.82	5	31.46	1	30.30	5
NW-RIR-504	29.64	2	32.08	3	30.42	7	30.71	2
NW-RIR-505	29.72	1	31.56	6	30.49	6	30.59	3
NW-RIR-506	27.98	4	32.25	2	30.77	4	30.34	4
NW-RIR-507	26.11	7	31.98	4	31.18	3	29.76	6
Mean	28.22		31.61		30.92		30.25	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.70		2.76		10.65	
Genotype (B)	N.S.		1.03		2.96		10.24	
B within A	N.S.		1.79		5.13			
A within B			1.80		5.16			
1000 grains weight, g								
NW-RIR-501	35.02	5	39.63	5	44.56	5	39.74	5
NW-RIR-502	34.04	7	38.48	7	43.31	7	38.61	7
NW-RIR-503	34.69	6	39.35	6	44.34	6	39.46	6
NW-RIR-504	37.94	1	41.70	1	46.36	1	42.00	1
NW-RIR-505	36.72	2	41.53	2	45.03	2	41.10	2
NW-RIR-506	35.54	4	40.17	4	44.59	4	40.10	4
NW-RIR-507	36.42	3	40.76	3	44.94	3	40.70	3
Mean	35.77		40.23		44.73		40.24	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.44		1.73		5.01	
Genotype (B)	*		0.71		2.03		5.28	
B within A	N.S.		1.23		3.52			
A within B			1.22		3.49			
Date of Sowing:	25.11.2025		Date of Harvesting:		01.05.2026			

Table 2.1.7 North Western Plains Zone			RIR-TS-TAS			Karnal	2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	71.81	1	73.19	2	75.65	1	73.55	1
NW-RIR-502	67.22	2	73.70	1	72.92	4	71.28	2
NW-RIR-503	64.21	4	64.54	7	73.24	3	67.33	4
NW-RIR-504	62.50	5	66.85	4	69.17	7	66.17	6
NW-RIR-505	59.21	7	69.31	3	70.83	5	66.45	5
NW-RIR-506	59.95	6	66.16	5	69.86	6	65.32	7
NW-RIR-507	65.09	3	65.05	6	73.38	2	67.84	3
Mean	64.29		68.40		72.15		68.28	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		1.44		5.64		9.64	
Genotype (B)	**		1.46		4.18		6.40	
B within A	N.S.		2.52		7.24			
A within B			2.74		7.87			
Earhead/sq.m.								
NW-RIR-501	418	3	498	2	403	7	440	3
NW-RIR-502	358	7	426	6	473	3	419	6
NW-RIR-503	374	6	404	7	427	4	402	7
NW-RIR-504	412	4	510	1	474	2	465	1
NW-RIR-505	430	2	427	5	496	1	451	2
NW-RIR-506	402	5	483	3	411	6	432	4
NW-RIR-507	433	1	438	4	414	5	428	5
Mean	404		455		443		434	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		15.01		58.94		15.86	
Genotype (B)	N.S.		17.28		49.58		11.95	
B within A	N.S.		29.93		85.87			
A within B			31.51		90.43			
Grains/earhead								
NW-RIR-501	43.90	1	37.27	5	46.89	1	42.69	1
NW-RIR-502	41.68	2	38.79	3	33.82	7	38.10	5
NW-RIR-503	41.49	3	40.47	1	41.80	4	41.25	2
NW-RIR-504	35.84	6	31.78	7	35.07	5	34.23	7
NW-RIR-505	32.86	7	38.23	4	34.29	6	35.13	6
NW-RIR-506	38.36	5	35.68	6	42.48	3	38.84	4
NW-RIR-507	38.53	4	38.84	2	44.30	2	40.56	3
Mean	38.95		37.29		39.81		38.68	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	N.S.		1.70		6.69		20.19	
Genotype (B)	**		1.53		4.40		11.89	
B within A	N.S.		2.66		7.62			
A within B			2.99		8.58			
1000 grains weight, g								
NW-RIR-501	39.74	5	39.76	5	40.36	5	39.95	5
NW-RIR-502	46.43	1	45.52	1	46.63	1	46.19	1
NW-RIR-503	41.48	4	40.27	4	41.12	4	40.96	4
NW-RIR-504	42.47	2	41.49	3	41.83	3	41.93	3
NW-RIR-505	42.11	3	42.81	2	42.12	2	42.35	2
NW-RIR-506	39.47	6	38.50	7	40.13	6	39.37	6
NW-RIR-507	39.07	7	38.87	6	40.13	7	39.36	7
Mean	41.54		41.03		41.76		41.44	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	N.S.		0.71		2.78		7.82	
Genotype (B)	**		0.68		1.94		4.91	
B within A	N.S.		1.17		3.37			
A within B			1.30		3.72			
Date of Sowing:	11.11.2025		Date of Harvesting:		19.04.2026			

Table 2.1.8 North Western Plains Zone			RIR-TS-TAS		Ludhiana		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	28.32	5	41.29	5	47.72	5	39.11	5
NW-RIR-502	28.19	6	41.56	4	47.86	4	39.20	4
NW-RIR-503	29.22	3	44.49	3	48.04	3	40.58	3
NW-RIR-504	36.04	1	46.26	1	50.49	1	44.26	1
NW-RIR-505	24.85	7	36.88	7	45.01	7	35.58	7
NW-RIR-506	29.22	3	37.03	6	46.68	6	37.65	6
NW-RIR-507	35.67	2	45.58	2	49.44	2	43.56	2
Mean	30.22		41.87		47.89		39.99	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.87		3.41		9.95	
Genotype (B)	**		1.26		3.61		9.45	
B within A	N.S.		2.18		6.26			
A within B			2.20		6.31			
Earhead/sq.m.								
NW-RIR-501	240	6	303	5	327	2	290	4
NW-RIR-502	251	3	281	7	318	4	283	6
NW-RIR-503	247	4	307	4	317	5	290	3
NW-RIR-504	294	1	320	1	335	1	316	1
NW-RIR-505	239	7	313	3	292	7	281	7
NW-RIR-506	246	5	303	5	316	6	288	5
NW-RIR-507	262	2	320	2	323	3	302	2
Mean	254		307		318		293	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		2.12		8.31		3.31	
Genotype (B)	**		4.85		13.91		4.96	
B within A	*		8.40		24.09			
A within B			8.06		23.12			
Grains/earhead								
NW-RIR-501	30.68	4	31.91	4	32.52	7	31.70	5
NW-RIR-502	29.25	6	34.49	1	33.87	2	32.54	2
NW-RIR-503	30.19	5	33.02	2	33.27	4	32.16	3
NW-RIR-504	31.12	3	32.01	3	32.90	6	32.01	4
NW-RIR-505	27.78	7	28.11	7	35.60	1	30.50	7
NW-RIR-506	31.57	2	29.27	6	33.62	3	31.49	6
NW-RIR-507	34.46	1	31.78	5	33.14	5	33.13	1
Mean	30.72		31.51		33.56		31.93	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	*		0.65		2.55		9.34	
Genotype (B)	N.S.		1.32		3.79		12.40	
B within A	N.S.		2.29		6.56			
A within B			2.21		6.35			
1000 grains weight, g								
NW-RIR-501	38.51	5	42.77	5	44.97	4	42.08	5
NW-RIR-502	38.82	4	43.50	4	44.54	5	42.29	4
NW-RIR-503	39.53	3	43.72	3	45.61	3	42.95	3
NW-RIR-504	40.38	1	45.25	1	46.27	1	43.97	1
NW-RIR-505	37.44	7	42.03	6	43.53	7	41.00	7
NW-RIR-506	37.66	6	41.85	7	44.18	6	41.23	6
NW-RIR-507	39.53	2	45.15	2	46.20	2	43.63	2
Mean	38.84		43.47		45.04		42.45	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.57		2.22		6.11	
Genotype (B)	**		0.59		1.69		4.16	
B within A	N.S.		1.02		2.93			
A within B			1.10		3.16			
Date of Sowing:	..		Date of Harvesting:	..				

Table 2.1.9 North Western Plains Zone			RIR-TS-TAS		Pantnagar		2025-26	
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	41.12	1	45.56	3	48.25	4	44.98	1
NW-RIR-502	34.39	5	43.28	7	41.91	7	39.86	7
NW-RIR-503	36.54	3	46.52	2	48.96	3	44.01	2
NW-RIR-504	31.17	7	43.60	6	49.65	2	41.47	5
NW-RIR-505	33.66	6	44.81	4	49.67	1	42.71	4
NW-RIR-506	36.35	4	44.22	5	42.91	6	41.16	6
NW-RIR-507	37.00	2	47.53	1	44.91	5	43.15	3
Mean	35.75		45.07		46.61		42.48	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		1.09		4.26		11.71	
Genotype (B)	*		1.12		3.23		7.94	
B within A	N.S.		1.95		5.59			
A within B			2.10		6.04			
Earhead/sq.m.								
NW-RIR-501	280	3	311	2	328	2	306	2
NW-RIR-502	198	6	265	6	283	7	248	7
NW-RIR-503	260	4	260	7	323	3	281	5
NW-RIR-504	289	1	298	4	348	1	312	1
NW-RIR-505	243	5	304	3	298	5	282	4
NW-RIR-506	283	2	314	1	312	4	303	3
NW-RIR-507	186	7	292	5	296	6	258	6
Mean	248		292		312		284	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		5.39		21.16		8.69	
Genotype (B)	**		10.19		29.24		10.76	
B within A	N.S.		17.65		50.65			
A within B			17.21		49.38			
Grains/earhead								
NW-RIR-501	37.09	3	36.39	6	34.83	4	36.10	5
NW-RIR-502	36.89	4	36.76	5	32.15	6	35.27	6
NW-RIR-503	33.76	6	43.42	1	32.53	5	36.57	4
NW-RIR-504	28.28	7	36.80	4	31.55	7	32.21	7
NW-RIR-505	35.77	5	35.63	7	41.36	1	37.58	3
NW-RIR-506	40.17	2	38.70	3	40.32	2	39.73	2
NW-RIR-507	52.00	1	40.31	2	34.91	3	42.40	1
Mean	37.71		38.29		35.38		37.12	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	N.S.		1.03		4.05		12.72	
Genotype (B)	*		1.90		5.44		15.32	
B within A	*		3.28		9.42			
A within B			3.21		9.21			
1000 grains weight, g								
NW-RIR-501	39.59	4	40.82	4	42.26	5	40.89	5
NW-RIR-502	47.17	1	44.99	1	46.21	2	46.12	1
NW-RIR-503	41.73	2	41.67	2	46.73	1	43.38	2
NW-RIR-504	38.26	6	39.70	6	45.91	3	41.29	3
NW-RIR-505	39.87	3	41.33	3	41.01	6	40.74	6
NW-RIR-506	32.67	7	37.53	7	34.26	7	34.82	7
NW-RIR-507	39.09	5	40.51	5	43.89	4	41.16	4
Mean	39.77		40.93		42.89		41.20	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.31		1.22		3.46	
Genotype (B)	**		1.01		2.90		7.36	
B within A	N.S.		1.75		5.03			
A within B			1.65		4.74			
Date of Sowing:	20.11.2025		Date of Harvesting:		17.04.2026			

Table 2.1.10 North Western Plains Zone				RIR-TS-TAS		Sriganganagar		2025-26
Genotype	Level of Irrigation						Mean	Rk
	Zero	Rk	One	Rk	Two	Rk		
Yield, q/ha								
NW-RIR-501	28.95	3	47.62	2	57.27	1	44.61	1
NW-RIR-502	24.85	6	44.09	3	47.01	7	38.65	6
NW-RIR-503	27.20	4	49.12	1	50.08	3	42.13	2
NW-RIR-504	29.20	2	44.08	4	53.12	2	42.13	3
NW-RIR-505	24.83	7	41.70	6	47.38	6	37.97	7
NW-RIR-506	25.41	5	43.35	5	49.17	4	39.31	5
NW-RIR-507	30.07	1	39.34	7	49.09	5	39.50	4
Mean	27.22		44.19		50.45		40.62	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.35		1.37		3.94	
Genotype (B)	**		0.92		2.65		6.83	
B within A	*		1.60		4.60			
A within B			1.52		4.37			
Earhead/sq.m.								
NW-RIR-501	225	6	318	5	330	5	291	6
NW-RIR-502	223	7	285	7	296	7	268	7
NW-RIR-503	260	5	361	3	413	1	345	3
NW-RIR-504	317	1	368	2	379	3	355	1
NW-RIR-505	287	4	370	1	387	2	348	2
NW-RIR-506	292	2	286	6	320	6	299	5
NW-RIR-507	290	3	319	4	339	4	316	4
Mean	271		330		352		317	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		7.50		29.45		10.83	
Genotype (B)	**		2.92		8.39		2.76	
B within A	**		5.06		14.53			
A within B			8.85		25.39			
Grains/earhead								
NW-RIR-501	28.76	1	28.09	4	31.63	2	29.49	2
NW-RIR-502	21.74	3	28.75	2	28.70	3	26.40	3
NW-RIR-503	25.20	2	28.62	3	23.02	6	25.62	4
NW-RIR-504	17.44	6	22.42	6	25.24	5	21.70	6
NW-RIR-505	16.72	7	21.42	7	21.71	7	19.95	7
NW-RIR-506	20.77	5	35.51	1	34.55	1	30.28	1
NW-RIR-507	21.01	4	23.46	5	26.85	4	23.77	5
Mean	21.66		26.89		27.39		25.32	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.60		2.37		10.91	
Genotype (B)	**		0.60		1.71		7.05	
B within A	**		1.03		2.96			
A within B			1.13		3.24			
1000 grains weight, g								
NW-RIR-501	44.87	5	53.31	3	54.98	4	51.06	5
NW-RIR-502	51.70	3	53.87	1	55.49	3	53.69	2
NW-RIR-503	41.50	7	47.55	6	52.71	6	47.25	6
NW-RIR-504	52.82	1	53.47	2	55.58	2	53.96	1
NW-RIR-505	51.81	2	52.64	4	56.49	1	53.65	3
NW-RIR-506	42.00	6	42.66	7	44.46	7	43.04	7
NW-RIR-507	49.39	4	52.63	5	53.94	5	51.99	4
Mean	47.73		50.88		53.38		50.66	
	F. Test		SEm		CD (0.05)		CV (%)	
Irrigation (A)	**		0.38		1.50		3.45	
Genotype (B)	**		0.19		0.56		1.15	
B within A	**		0.34		0.96			
A within B			0.49		1.41			
Date of Sowing:	10.11.2025		Date of Harvesting:		15.04.2026			