

Table 7.7. North Western Plains Zone

		IR-TS-HLB- DOS				Centrewise	2025-26
Sowing Time	Genotype	Durgapura	Hisar	Jammu	Karnal	Ludhiana	Zonal mean
Timely	IR-TS-HLB-DOS-1	57.47	38.47	41.55	39.90	46.95	44.87
	IR-TS-HLB-DOS-2	61.98	45.45	46.88	46.38	47.97	49.73
	IR-TS-HLB-DOS-3	61.46	45.17	43.68	46.18	40.26	47.35
	IR-TS-HLB-DOS-4	67.84	48.14	42.71	48.15	45.81	50.53
	IR-TS-HLB-DOS-5	65.96	39.65	45.81	44.75	49.13	49.06
	IR-TS-HLB-DOS-6	47.21	47.45	47.80	46.81	46.37	47.13
	Mean	60.32	44.05	44.74	45.36	46.08	48.11
Late	IR-TS-HLB-DOS-1	33.79	40.65	27.03	34.00	38.53	34.80
	IR-TS-HLB-DOS-2	33.98	41.27	30.53	40.87	39.33	37.20
	IR-TS-HLB-DOS-3	32.98	39.30	29.10	37.40	34.38	34.63
	IR-TS-HLB-DOS-4	37.51	45.38	27.66	40.64	35.20	37.28
	IR-TS-HLB-DOS-5	31.56	30.36	29.50	34.94	40.39	33.35
	IR-TS-HLB-DOS-6	34.64	37.72	33.79	33.90	39.30	35.87
	Mean	34.08	39.11	29.60	36.96	37.86	35.52
Mean	IR-TS-HLB-DOS-1	45.63	39.56	34.29	36.95	42.74	39.83
	IR-TS-HLB-DOS-2	47.98	43.36	38.70	43.62	43.65	43.46
	IR-TS-HLB-DOS-3	47.22	42.24	36.39	41.79	37.32	40.99
	IR-TS-HLB-DOS-4	52.68	46.76	35.18	44.40	40.50	43.90
	IR-TS-HLB-DOS-5	48.76	35.01	37.65	39.85	44.76	41.21
	IR-TS-HLB-DOS-6	40.92	42.58	40.79	40.36	42.83	41.50
	Mean	47.20	41.58	37.17	41.16	41.97	41.82
CD (0.05)	Sowing (A)	3.48	2.38	1.41	1.03	3.41	0.71
	Genotype (B)	2.88	2.57	3.43	2.67	3.10	1.28
	B within A	4.08	3.64	4.86	3.77	4.39	1.81
	A within B	4.25	3.61	4.51	3.50	4.48	1.83
Date of Sowing:		11.11.2025	07.11.2025	14.11.2025	15.11.2025	14.11.2025	
		09.12.2025	05.12.2025	08.12.2025	05.12.2025	08.12.2025	
Date of Harvesting:		20.03.2026	31.03.2026		14.04.2026	20.04.2026	
		01.04.2026	05.04.2026		14.04.2026	20.04.2026	

Table 7.8. North Western Plain Zone IR-TS-HLB- DOS Pooled 2025-26

Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	44.87	6	34.80	4	39.83	6
IR-TS-HLB-DOS-2	49.73	2	37.20	2	43.46	2
IR-TS-HLB-DOS-3	47.35	4	34.63	5	40.99	5
IR-TS-HLB-DOS-4	50.53	1	37.28	1	43.90	1
IR-TS-HLB-DOS-5	49.06	3	33.35	6	41.21	4
IR-TS-HLB-DOS-6	47.13	5	35.87	3	41.50	3
Mean	48.11		35.52		41.82	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.71		1.28	1.81	1.83	
Earhead/sq.m.						
IR-TS-HLB-DOS-1	343	6	321	6	332	6
IR-TS-HLB-DOS-2	375	5	339	5	357	5
IR-TS-HLB-DOS-3	389	3	368	2	378	3
IR-TS-HLB-DOS-4	392	2	367	3	380	2
IR-TS-HLB-DOS-5	412	1	398	1	405	1
IR-TS-HLB-DOS-6	378	4	357	4	368	4
Mean	382		358		370	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	4.51		8.72	12.33	12.36	
Grains/earhead						
IR-TS-HLB-DOS-1	31.09	5	31.30	2	31.20	2
IR-TS-HLB-DOS-2	35.17	1	34.88	1	35.03	1
IR-TS-HLB-DOS-3	31.15	4	30.03	4	30.59	5
IR-TS-HLB-DOS-4	32.73	2	29.23	5	30.98	4
IR-TS-HLB-DOS-5	29.09	6	23.66	6	26.38	6
IR-TS-HLB-DOS-6	31.81	3	30.18	3	31.00	3
Mean	31.84		29.88		30.86	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.73		1.21	1.72	1.76	
1000 grains weight, g						
IR-TS-HLB-DOS-1	42.20	2	35.44	3	38.82	2
IR-TS-HLB-DOS-2	38.81	6	32.41	6	35.61	6
IR-TS-HLB-DOS-3	39.53	5	33.53	5	36.53	5
IR-TS-HLB-DOS-4	39.83	4	35.90	2	37.86	3
IR-TS-HLB-DOS-5	43.73	1	38.53	1	41.13	1
IR-TS-HLB-DOS-6	40.06	3	34.19	4	37.13	4
Mean	40.69		35.00		37.85	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.54		0.78	1.11	1.16	
Centres: Durgapura, Hisar, Jammu, Karnal, Ludhiana						

Table 7.8.1 North Western Plains Zone			IR-TS-HLB- DOS		Durgapura	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	40.55	2	38.56	2	39.56	2
IR-TS-HLB-DOS-2	31.73	6	29.22	6	30.47	6
IR-TS-HLB-DOS-3	38.37	3	34.18	3	36.28	3
IR-TS-HLB-DOS-4	42.72	1	39.40	1	41.06	1
IR-TS-HLB-DOS-5	35.24	4	30.88	4	33.06	4
IR-TS-HLB-DOS-6	33.18	5	29.54	5	31.36	5
Mean	36.97		33.63		35.30	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.29	1.21	3.51	
Genotype (B)		**	0.24	0.58	1.65	
B within A		*	0.34	0.82		
A within B			0.42	1.03		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	397	4	357	6	377	6
IR-TS-HLB-DOS-2	408	3	400	4	404	4
IR-TS-HLB-DOS-3	462	1	462	1	462	1
IR-TS-HLB-DOS-4	428	2	457	2	442	2
IR-TS-HLB-DOS-5	385	6	427	3	406	3
IR-TS-HLB-DOS-6	390	5	397	5	394	5
Mean	412		417		414	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	2.23	9.19	2.28	
Genotype (B)		**	13.21	32.22	7.81	
B within A		N.S.	18.68	45.57		
A within B			17.20	41.95		
Grains/earhead						
IR-TS-HLB-DOS-1	35.73	5	24.59	3	30.16	4
IR-TS-HLB-DOS-2	47.99	2	29.32	2	38.65	1
IR-TS-HLB-DOS-3	34.81	6	20.91	5	27.86	6
IR-TS-HLB-DOS-4	37.19	3	20.85	6	29.02	5
IR-TS-HLB-DOS-5	48.55	1	24.13	4	36.34	2
IR-TS-HLB-DOS-6	36.42	4	29.98	1	33.20	3
Mean	40.11		24.96		32.54	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.57	2.33	7.37	
Genotype (B)		**	1.09	2.67	8.24	
B within A		**	1.55	3.78		
A within B			1.52	3.71		
1000 grains weight, g						
IR-TS-HLB-DOS-1	40.55	2	38.56	2	39.56	2
IR-TS-HLB-DOS-2	31.73	6	29.22	6	30.47	6
IR-TS-HLB-DOS-3	38.37	3	34.18	3	36.28	3
IR-TS-HLB-DOS-4	42.72	1	39.40	1	41.06	1
IR-TS-HLB-DOS-5	35.24	4	30.88	4	33.06	4
IR-TS-HLB-DOS-6	33.18	5	29.54	5	31.36	5
Mean	36.97		33.63		35.30	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.29	1.21	3.51	
Genotype (B)		**	0.24	0.58	1.65	
B within A		*	0.34	0.82		
A within B			0.42	1.03		
Date of Sowing:	11.11.2025	09.12.2025	Date of Harvesting:	20.03.2026	01.04.2026	

Table 7.8.2 North Western Plains Zone			IR-TS-HLB- DOS		Hisar	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	38.47	6	40.65	3	39.56	5
IR-TS-HLB-DOS-2	45.45	3	41.27	2	43.36	2
IR-TS-HLB-DOS-3	45.17	4	39.30	4	42.24	4
IR-TS-HLB-DOS-4	48.14	1	45.38	1	46.76	1
IR-TS-HLB-DOS-5	39.65	5	30.36	6	35.01	6
IR-TS-HLB-DOS-6	47.45	2	37.72	5	42.58	3
Mean	44.05		39.11		41.58	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.58	2.38	5.89	
Genotype (B)		**	1.05	2.57	6.21	
B within A		**	1.49	3.64		
A within B			1.48	3.61		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	315	6	329	6	322	6
IR-TS-HLB-DOS-2	377	5	357	5	367	5
IR-TS-HLB-DOS-3	447	3	421	3	434	3
IR-TS-HLB-DOS-4	465	2	435	2	450	2
IR-TS-HLB-DOS-5	520	1	497	1	509	1
IR-TS-HLB-DOS-6	431	4	401	4	416	4
Mean	426		407		416	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	2.99	12.33	3.04	
Genotype (B)		**	6.63	16.18	3.90	
B within A		N.S.	9.38	22.89		
A within B			9.07	22.13		
Grains/earhead						
IR-TS-HLB-DOS-1	26.84	5	27.43	3	27.13	4
IR-TS-HLB-DOS-2	32.02	1	30.81	1	31.42	1
IR-TS-HLB-DOS-3	27.23	3	25.12	5	26.17	5
IR-TS-HLB-DOS-4	27.17	4	27.50	2	27.33	3
IR-TS-HLB-DOS-5	16.60	6	13.56	6	15.08	6
IR-TS-HLB-DOS-6	30.02	2	26.10	4	28.06	2
Mean	26.65		25.09		25.87	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.35	1.44	5.72	
Genotype (B)		**	0.84	2.05	7.95	
B within A		N.S.	1.19	2.89		
A within B			1.14	2.78		
1000 grains weight, g						
IR-TS-HLB-DOS-1	45.70	2	45.14	1	45.42	2
IR-TS-HLB-DOS-2	37.67	4	37.49	4	37.58	4
IR-TS-HLB-DOS-3	37.23	5	37.18	5	37.21	5
IR-TS-HLB-DOS-4	38.06	3	37.95	3	38.01	3
IR-TS-HLB-DOS-5	46.06	1	45.00	2	45.53	1
IR-TS-HLB-DOS-6	36.72	6	36.09	6	36.41	6
Mean	40.24		39.81		40.02	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.17	0.70	1.81	
Genotype (B)		**	0.38	0.92	2.30	
B within A		N.S.	0.53	1.30		
A within B			0.51	1.26		
Date of Sowing:	07.11.2025	05.12.2025	Date of Harvesting:	31.03.2026	05.04.2026	

Table 7.8.3 North Western Plains Zone			IR-TS-HLB- DOS		Jammu	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	41.55	6	27.03	6	34.29	6
IR-TS-HLB-DOS-2	46.88	2	30.53	2	38.70	2
IR-TS-HLB-DOS-3	43.68	4	29.10	4	36.39	4
IR-TS-HLB-DOS-4	42.71	5	27.66	5	35.18	5
IR-TS-HLB-DOS-5	45.81	3	29.50	3	37.65	3
IR-TS-HLB-DOS-6	47.80	1	33.79	1	40.79	1
Mean	44.74		29.60		37.17	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.34	1.41	3.91	
Genotype (B)		*	1.41	3.43	9.28	
B within A		N.S.	1.99	4.86		
A within B			1.85	4.51		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	350	6	319	6	335	6
IR-TS-HLB-DOS-2	362	2	338	2	350	2
IR-TS-HLB-DOS-3	357	4	331	4	344	4
IR-TS-HLB-DOS-4	355	5	328	5	342	5
IR-TS-HLB-DOS-5	358	3	332	3	345	3
IR-TS-HLB-DOS-6	374	1	342	1	358	1
Mean	359		332		346	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	2.54	10.49	3.12	
Genotype (B)		*	4.82	11.76	3.42	
B within A		N.S.	6.82	16.64		
A within B			6.72	16.40		
Grains/earhead						
IR-TS-HLB-DOS-1	27.57	5	26.58	3	27.08	3
IR-TS-HLB-DOS-2	27.80	2	25.94	5	26.87	6
IR-TS-HLB-DOS-3	27.65	4	27.32	2	27.48	1
IR-TS-HLB-DOS-4	27.69	3	26.21	4	26.95	5
IR-TS-HLB-DOS-5	28.35	1	25.90	6	27.13	2
IR-TS-HLB-DOS-6	26.37	6	27.60	1	26.99	4
Mean	27.57		26.59		27.08	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.95	3.92	14.85	
Genotype (B)		N.S.	1.46	3.57	13.23	
B within A		N.S.	2.07	5.05		
A within B			2.11	5.16		
1000 grains weight, g						
IR-TS-HLB-DOS-1	43.05	6	31.97	6	37.51	6
IR-TS-HLB-DOS-2	46.89	2	34.95	2	40.92	2
IR-TS-HLB-DOS-3	44.19	4	33.49	4	38.84	4
IR-TS-HLB-DOS-4	43.60	5	32.17	5	37.88	5
IR-TS-HLB-DOS-5	45.24	3	34.54	3	39.89	3
IR-TS-HLB-DOS-6	48.58	1	35.87	1	42.22	1
Mean	45.26		33.83		39.54	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.77	3.17	8.25	
Genotype (B)		*	1.07	2.60	6.60	
B within A		N.S.	1.51	3.68		
A within B			1.58	3.84		
Date of Sowing:	14.11.2025	08.12.2025	Date of Harvesting:			

Table 7.8.4 North Western Plains Zone			IR-TS-HLB- DOS		Karnal	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	39.90	6	34.00	5	36.95	6
IR-TS-HLB-DOS-2	46.38	3	40.87	1	43.62	2
IR-TS-HLB-DOS-3	46.18	4	37.40	3	41.79	3
IR-TS-HLB-DOS-4	48.15	1	40.64	2	44.40	1
IR-TS-HLB-DOS-5	44.75	5	34.94	4	39.85	5
IR-TS-HLB-DOS-6	46.81	2	33.90	6	40.36	4
Mean	45.36		36.96		41.16	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.25	1.03	2.57	
Genotype (B)		**	1.09	2.67	6.51	
B within A		N.S.	1.55	3.77		
A within B			1.43	3.50		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	342	6	336	6	339	6
IR-TS-HLB-DOS-2	396	3	352	5	374	5
IR-TS-HLB-DOS-3	372	5	377	3	374	4
IR-TS-HLB-DOS-4	399	2	361	4	380	3
IR-TS-HLB-DOS-5	435	1	442	1	439	1
IR-TS-HLB-DOS-6	391	4	383	2	387	2
Mean	389		375		382	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	4.78	19.75	5.31	
Genotype (B)		**	6.93	16.91	4.44	
B within A		N.S.	9.80	23.91		
A within B			10.15	24.75		
Grains/earhead						
IR-TS-HLB-DOS-1	30.73	5	39.64	2	35.18	2
IR-TS-HLB-DOS-2	36.44	1	43.33	1	39.88	1
IR-TS-HLB-DOS-3	34.20	3	29.85	4	32.03	4
IR-TS-HLB-DOS-4	35.52	2	34.77	3	35.14	3
IR-TS-HLB-DOS-5	22.74	6	17.94	6	20.34	6
IR-TS-HLB-DOS-6	32.07	4	25.25	5	28.66	5
Mean	31.95		31.80		31.87	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.55	2.28	7.33	
Genotype (B)		**	1.03	2.52	7.95	
B within A		**	1.46	3.57		
A within B			1.44	3.52		
1000 grains weight, g						
IR-TS-HLB-DOS-1	37.99	2	25.57	6	31.78	5
IR-TS-HLB-DOS-2	32.17	6	26.86	5	29.51	6
IR-TS-HLB-DOS-3	36.45	4	33.32	3	34.88	3
IR-TS-HLB-DOS-4	34.12	5	32.50	4	33.31	4
IR-TS-HLB-DOS-5	45.26	1	44.11	1	44.68	1
IR-TS-HLB-DOS-6	37.37	3	35.13	2	36.25	2
Mean	37.23		32.91		35.07	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.20	0.81	2.38	
Genotype (B)		**	0.58	1.42	4.05	
B within A		**	0.82	2.00		
A within B			0.77	1.89		
Date of Sowing:	15.11.2025	05.12.2025	Date of Harvesting:	14.04.2026	14.04.2026	

Table 7.8.5 North Western Plains Zone			IR-TS-HLB- DOS		Ludhiana	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	46.95	3	38.53	4	42.74	4
IR-TS-HLB-DOS-2	47.97	2	39.33	2	43.65	2
IR-TS-HLB-DOS-3	40.26	6	34.38	6	37.32	6
IR-TS-HLB-DOS-4	45.81	5	35.20	5	40.50	5
IR-TS-HLB-DOS-5	49.13	1	40.39	1	44.76	1
IR-TS-HLB-DOS-6	46.37	4	39.30	3	42.83	3
Mean	46.08		37.86		41.97	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.82	3.41	8.34	
Genotype (B)		**	1.27	3.10	7.43	
B within A		N.S.	1.80	4.39		
A within B			1.84	4.48		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	310	4	263	3	286	3
IR-TS-HLB-DOS-2	334	2	249	5	291	2
IR-TS-HLB-DOS-3	306	5	249	6	277	6
IR-TS-HLB-DOS-4	314	3	254	4	284	5
IR-TS-HLB-DOS-5	360	1	293	1	326	1
IR-TS-HLB-DOS-6	306	6	263	2	284	4
Mean	322		262		292	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	5.84	24.12	8.50	
Genotype (B)		**	7.12	17.37	5.98	
B within A		N.S.	10.07	24.56		
A within B			10.89	26.56		
Grains/earhead						
IR-TS-HLB-DOS-1	34.60	2	38.29	4	36.45	5
IR-TS-HLB-DOS-2	31.58	5	45.03	2	38.30	2
IR-TS-HLB-DOS-3	31.87	4	46.94	1	39.41	1
IR-TS-HLB-DOS-4	36.09	1	36.85	5	36.47	4
IR-TS-HLB-DOS-5	29.21	6	36.77	6	32.99	6
IR-TS-HLB-DOS-6	34.16	3	41.99	3	38.08	3
Mean	32.92		40.98		36.95	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.64	2.64	7.33	
Genotype (B)		*	1.22	2.97	8.07	
B within A		**	1.72	4.20		
A within B			1.70	4.14		
1000 grains weight, g						
IR-TS-HLB-DOS-1	43.72	4	35.95	3	39.83	2
IR-TS-HLB-DOS-2	45.57	2	33.53	5	39.55	3
IR-TS-HLB-DOS-3	41.41	5	29.49	6	35.45	6
IR-TS-HLB-DOS-4	40.63	6	37.48	2	39.06	5
IR-TS-HLB-DOS-5	46.86	1	38.13	1	42.50	1
IR-TS-HLB-DOS-6	44.47	3	34.32	4	39.40	4
Mean	43.78		34.82		39.30	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.62	2.56	6.68	
Genotype (B)		**	1.03	2.52	6.43	
B within A		N.S.	1.46	3.56		
A within B			1.47	3.58		
Date of Sowing:	14.11.2025	08.12.2025	Date of Harvesting:	20.04.2026	20.04.2026	