

Table 7.1. Northeren Hill Zone		IR-TS-HLB- DOS	Centrewise	2025-26
Sowing Time	Genotype	Shimla	Malan	Zonal mean
Timely	IR-TS-HLB-DOS-1	22.80	18.57	20.69
	IR-TS-HLB-DOS-2	25.56	17.85	21.71
	IR-TS-HLB-DOS-3	30.02	33.81	31.91
	IR-TS-HLB-DOS-4	24.90	25.71	25.31
	Mean	25.82	23.99	24.90
Late	IR-TS-HLB-DOS-1	18.59	14.29	16.44
	IR-TS-HLB-DOS-2	23.67	13.81	18.74
	IR-TS-HLB-DOS-3	26.55	27.86	27.20
	IR-TS-HLB-DOS-4	21.85	17.62	19.74
	Mean	22.67	18.39	20.53
Mean	IR-TS-HLB-DOS-1	20.70	16.43	18.56
	IR-TS-HLB-DOS-2	24.62	15.83	20.22
	IR-TS-HLB-DOS-3	28.29	30.83	29.56
	IR-TS-HLB-DOS-4	23.38	21.67	22.52
	Mean	24.24	21.19	22.72
CD (0.05)	Sowing (A)	1.56	1.59	0.81
	Genotype (B)	0.99	2.27	1.19
	B within A	1.41	3.21	NS
	A within B	1.54	2.94	1.95
Date of Sowing:		11.11.2025	07.11.2025	
		02.12.2025	01.12.2025	
Date of Harvesting:		08.05.2026	22.04.2026	
		23.05.2026	12.05.2026	

Table 7.2. Northern Hill Zone			IR-TS-HB- DOS		Pooled	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	20.69	4	16.44	4	18.56	4
IR-TS-HLB-DOS-2	21.71	3	18.74	3	20.22	3
IR-TS-HLB-DOS-3	31.91	1	27.20	1	29.56	1
IR-TS-HLB-DOS-4	25.31	2	19.74	2	22.52	2
Mean	24.90		20.53		22.72	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.81		1.19	NS	1.95	
Earhead/sq.m.						
IR-TS-HLB-DOS-1	250	4	231	4	241	4
IR-TS-HLB-DOS-2	254	3	267	2	260	3
IR-TS-HLB-DOS-3	306	1	282	1	294	1
IR-TS-HLB-DOS-4	291	2	265	3	278	2
Mean	275		261		268	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	3.99		15.79	NS	24.37	
Grains/earhead						
IR-TS-HLB-DOS-1	20.50	4	18.98	3	19.74	4
IR-TS-HLB-DOS-2	21.24	3	18.51	4	19.87	3
IR-TS-HLB-DOS-3	22.34	1	22.55	1	22.45	1
IR-TS-HLB-DOS-4	22.26	2	19.26	2	20.76	2
Mean	21.58		19.83		20.71	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.64		1.54	NS	2.41	
1000 grains weight, g						
IR-TS-HLB-DOS-1	41.68	2	38.37	3	40.03	2
IR-TS-HLB-DOS-2	40.86	3	37.39	4	39.13	3
IR-TS-HLB-DOS-3	47.18	1	43.19	1	45.19	1
IR-TS-HLB-DOS-4	39.24	4	38.72	2	38.98	4
Mean	42.24		39.42		40.83	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.36		0.67	0.94	1.07	
Centres: Shimla, Malan						

Table 7.2.1. Northern Hill Zone		IR-TS-HLB- DOS		Shimla		2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	22.80	4	18.59	4	20.70	4
IR-TS-HLB-DOS-2	25.56	2	23.67	2	24.62	2
IR-TS-HLB-DOS-3	30.02	1	26.55	1	28.29	1
IR-TS-HLB-DOS-4	24.90	3	21.85	3	23.38	3
Mean	25.82		22.67		24.24	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.38	1.56	5.39	
Genotype (B)		**	0.39	0.99	3.98	
B within A		N.S.	0.56	1.41		
A within B			0.61	1.54		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	255	4	224	4	240	4
IR-TS-HLB-DOS-2	307	1	288	1	298	1
IR-TS-HLB-DOS-3	305	2	286	2	296	2
IR-TS-HLB-DOS-4	292	3	282	3	287	3
Mean	290		270		280	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	1.89	7.80	2.34	
Genotype (B)		**	3.71	9.35	3.25	
B within A		N.S.	5.25	13.22		
A within B			4.92	12.40		
Grains/earhead						
IR-TS-HLB-DOS-1	24.51	1	22.83	1	23.67	1
IR-TS-HLB-DOS-2	22.05	4	21.88	3	21.96	4
IR-TS-HLB-DOS-3	23.61	2	22.76	2	23.18	2
IR-TS-HLB-DOS-4	22.82	3	21.18	4	22.00	3
Mean	23.25		22.16		22.70	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.33	1.38	5.10	
Genotype (B)		*	0.47	1.18	5.06	
B within A		N.S.	0.66	1.67		
A within B			0.66	1.67		
1000 grains weight, g						
IR-TS-HLB-DOS-1	36.67	4	36.33	4	36.50	4
IR-TS-HLB-DOS-2	37.67	2	37.67	2	37.67	2
IR-TS-HLB-DOS-3	41.67	1	41.00	1	41.33	1
IR-TS-HLB-DOS-4	37.33	3	36.67	3	37.00	3
Mean	38.33		37.92		38.13	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.12	0.49	1.07	
Genotype (B)		**	0.27	0.69	1.75	
B within A		N.S.	0.38	0.97		
A within B			0.35	0.89		
Date of Sowing:	11.11.2025	02.12.2025	Date of Harvesting:	08.05.2026	23.05.2026	

Table 7.2.2 Northern Hill Zone

Genotype	IR-TS-HLB- DOS				Malan	2025-26
	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	18.57	3	14.29	3	16.43	3
IR-TS-HLB-DOS-2	17.85	4	13.81	4	15.83	4
IR-TS-HLB-DOS-3	33.81	1	27.86	1	30.83	1
IR-TS-HLB-DOS-4	25.71	2	17.62	2	21.67	2
Mean	23.99		18.39		21.19	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.39	1.59	6.30	
Genotype (B)		**	0.90	2.27	10.40	
B within A		N.S.	1.27	3.21		
A within B			1.17	2.94		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	245	3	238	4	242	3
IR-TS-HLB-DOS-2	200	4	247	3	223	4
IR-TS-HLB-DOS-3	307	1	278	1	292	1
IR-TS-HLB-DOS-4	289	2	248	2	268	2
Mean	260		253		256	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	1.86	7.68	2.51	
Genotype (B)		**	12.52	31.55	11.96	
B within A		N.S.	17.70	44.61		
A within B			15.44	38.92		
Grains/earhead						
IR-TS-HLB-DOS-1	16.49	4	15.12	4	15.81	4
IR-TS-HLB-DOS-2	20.42	3	15.15	3	17.79	3
IR-TS-HLB-DOS-3	21.08	2	22.35	1	21.71	1
IR-TS-HLB-DOS-4	21.70	1	17.35	2	19.53	2
Mean	19.92		17.49		18.71	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.26	1.06	4.77	
Genotype (B)		*	1.18	2.98	15.47	
B within A		N.S.	1.67	4.21		
A within B			1.47	3.70		
1000 grains weight, g						
IR-TS-HLB-DOS-1	46.70	2	40.41	3	43.56	2
IR-TS-HLB-DOS-2	44.06	3	37.11	4	40.58	4
IR-TS-HLB-DOS-3	52.70	1	45.37	1	49.04	1
IR-TS-HLB-DOS-4	41.15	4	40.77	2	40.96	3
Mean	46.15		40.92		43.53	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.21	0.87	1.68	
Genotype (B)		**	0.48	1.21	2.69	
B within A		**	0.68	1.71		
A within B			0.62	1.57		
Date of Sowing:	07.11.2025	01.12.2025	Date of Harvesting:	22.04.2026	12.05.2026	