

Table 7.16. Central Zone		IR-TS-HLB- DOS		Centrewise	2025-26
Sowing Time	Genotype	Bilaspur	Gwalior	Udaipur	Zonal mean
Timely	IR-TS-HLB-DOS-1	42.23	25.53	26.60	31.46
	IR-TS-HLB-DOS-2	39.41	33.59	40.67	37.89
	IR-TS-HLB-DOS-3	44.02	34.62	47.63	42.09
	IR-TS-HLB-DOS-4	45.85	33.83	49.98	43.22
	IR-TS-HLB-DOS-5	38.53	34.07	40.07	37.56
	Mean	42.01	32.33	40.99	38.44
Late	IR-TS-HLB-DOS-1	36.48	16.89	29.97	27.78
	IR-TS-HLB-DOS-2	35.90	19.29	35.33	30.17
	IR-TS-HLB-DOS-3	37.97	22.44	38.12	32.84
	IR-TS-HLB-DOS-4	42.22	22.81	34.53	33.19
	IR-TS-HLB-DOS-5	34.44	22.74	44.07	33.75
	Mean	37.40	20.83	36.40	31.55
Mean	IR-TS-HLB-DOS-1	39.36	21.21	28.28	29.62
	IR-TS-HLB-DOS-2	37.65	26.44	38.00	34.03
	IR-TS-HLB-DOS-3	41.00	28.53	42.88	37.47
	IR-TS-HLB-DOS-4	44.03	28.32	42.26	38.20
	IR-TS-HLB-DOS-5	36.49	28.40	42.07	35.65
	Mean	39.71	26.58	38.70	34.99
CD (0.05)	Sowing (A)	2.61	5.76	7.51	1.48
	Genotype (B)	3.17	2.14	4.88	1.62
	B within A	4.48	3.03	6.90	2.29
	A within B	4.21	3.93	7.20	2.75
Date of Sowing:		12.11.2025	15.11.2025	18.11.2025	
		04.12.2025	05.12.2025	05.12.2025	
Date of Harvesting:		25.03.2026	16.04.2026	20.03.2026	
		6.04.2026	20.04.2026	27.03.2026	

Table 7.17. Central 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	31.46	5	27.78	5	29.62	5
IR-TS-HLB-DOS-2	37.89	3	30.17	4	34.03	4
IR-TS-HLB-DOS-3	42.09	2	32.84	3	37.47	2
IR-TS-HLB-DOS-4	43.22	1	33.19	2	38.20	1
IR-TS-HLB-DOS-5	37.56	4	33.75	1	35.65	3
Mean	38.44		31.55		34.99	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	1.48		1.62	2.29	2.75	
Earhead/sq.m.						
IR-TS-HLB-DOS-1	353.94	3	317.33	4	335.64	3
IR-TS-HLB-DOS-2	344.83	5	310.89	5	327.86	5
IR-TS-HLB-DOS-3	402.78	1	343.67	2	373.22	1
IR-TS-HLB-DOS-4	369.89	2	346.28	1	358.08	2
IR-TS-HLB-DOS-5	347.89	4	318.33	3	333.11	4
Mean	363.87		327.30		345.58	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	12.36		10.59	NS	19.28	
Grains/earhead						
IR-TS-HLB-DOS-1	25.21	5	25.42	5	25.31	5
IR-TS-HLB-DOS-2	30.35	2	28.35	2	29.35	2
IR-TS-HLB-DOS-3	28.16	4	28.03	3	28.10	4
IR-TS-HLB-DOS-4	30.67	1	26.46	4	28.57	3
IR-TS-HLB-DOS-5	29.34	3	30.48	1	29.91	1
Mean	28.75		27.75		28.25	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	NS		1.81	NS	3.16	
1000 grains weight, g						
IR-TS-HLB-DOS-1	36.16	5	33.69	5	34.93	5
IR-TS-HLB-DOS-2	36.76	4	33.90	4	35.33	4
IR-TS-HLB-DOS-3	37.75	2	34.15	3	35.95	2
IR-TS-HLB-DOS-4	38.43	1	36.21	1	37.32	1
IR-TS-HLB-DOS-5	37.06	3	34.62	2	35.84	3
Mean	37.23		34.51		35.87	
	Sowing (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.68		0.89	NS	1.46	
Centres: Bilaspur, Gwalior and Udaipur						

Table 7.17.1 Central Zone			IR-TS-HB- DOS		Bilaspur	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	42.23	3	36.48	3	39.36	3
IR-TS-HLB-DOS-2	39.41	4	35.90	4	37.65	4
IR-TS-HLB-DOS-3	44.02	2	37.97	2	41.00	2
IR-TS-HLB-DOS-4	45.85	1	42.22	1	44.03	1
IR-TS-HLB-DOS-5	38.53	5	34.44	5	36.49	5
Mean	42.01		37.40		39.71	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)	(A)	*	0.43	2.61	4.18	
Genotype (B)	(B)	**	1.06	3.17	6.52	
B within A		N.S.	1.49	4.48		
A within B			1.40	4.21		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	408	3	372	3	390	3
IR-TS-HLB-DOS-2	365	5	347	5	356	5
IR-TS-HLB-DOS-3	471	1	416	2	443	1
IR-TS-HLB-DOS-4	433	2	425	1	429	2
IR-TS-HLB-DOS-5	386	4	371	4	379	4
Mean	412		386		399	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	7.64	46.51	7.41	
Genotype (B)		**	7.94	23.80	4.87	
B within A		N.S.	11.23	33.66		
A within B			12.62	37.83		
Grains/earhead						
IR-TS-HLB-DOS-1	27.43	2	27.16	2	27.30	2
IR-TS-HLB-DOS-2	30.34	1	29.77	1	30.06	1
IR-TS-HLB-DOS-3	24.94	5	25.75	3	25.35	5
IR-TS-HLB-DOS-4	26.27	4	24.80	5	25.53	4
IR-TS-HLB-DOS-5	27.21	3	25.22	4	26.22	3
Mean	27.24		26.54		26.89	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.83	5.05	11.94	
Genotype (B)		N.S.	1.16	3.49	10.59	
B within A		N.S.	1.64	4.93		
A within B			1.69	5.06		
1000 grains weight, g						
IR-TS-HLB-DOS-1	37.79	3	36.26	3	37.03	2
IR-TS-HLB-DOS-2	35.62	5	34.90	5	35.26	5
IR-TS-HLB-DOS-3	38.11	2	35.68	4	36.89	3
IR-TS-HLB-DOS-4	40.44	1	40.34	1	40.39	1
IR-TS-HLB-DOS-5	36.84	4	36.76	2	36.80	4
Mean	37.76		36.79		37.27	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	0.46	2.79	4.76	
Genotype (B)		**	0.69	2.08	4.56	
B within A		N.S.	0.98	2.94		
A within B			0.99	2.97		
Date of Sowing:	12.11.2025	04.12.2025	Date of Harvesting:	25.03.2026	6.04.2026	

Table 7.17.2 Central Zone		IR-TS-MB- DOS			Gwalior	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	25.53	5	16.89	5	21.21	5
IR-TS-HLB-DOS-2	33.59	4	19.29	4	26.44	4
IR-TS-HLB-DOS-3	34.62	1	22.44	3	28.53	1
IR-TS-HLB-DOS-4	33.83	3	22.81	1	28.32	3
IR-TS-HLB-DOS-5	34.07	2	22.74	2	28.40	2
Mean	32.33		20.83		26.58	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.95	5.76	13.79	
Genotype (B)		**	0.72	2.14	6.59	
B within A		N.S.	1.01	3.03		
A within B			1.31	3.93		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	265	5	237	4	251	5
IR-TS-HLB-DOS-2	286	4	229	5	257	4
IR-TS-HLB-DOS-3	319	1	250	2	285	1
IR-TS-HLB-DOS-4	295	3	254	1	275	2
IR-TS-HLB-DOS-5	303	2	245	3	274	3
Mean	294		243		268	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	2.93	17.81	4.22	
Genotype (B)		**	5.45	16.34	4.97	
B within A		N.S.	7.71	23.10		
A within B			7.49	22.45		
Grains/earhead						
IR-TS-HLB-DOS-1	30.05	5	24.15	5	27.10	5
IR-TS-HLB-DOS-2	34.20	1	28.07	2	31.14	1
IR-TS-HLB-DOS-3	31.19	4	27.75	4	29.47	4
IR-TS-HLB-DOS-4	33.36	2	27.79	3	30.58	2
IR-TS-HLB-DOS-5	31.59	3	28.43	1	30.01	3
Mean	32.08		27.24		29.66	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	1.50	9.16	19.65	
Genotype (B)		N.S.	1.26	3.79	10.43	
B within A		N.S.	1.79	5.36		
A within B			2.19	6.58		
1000 grains weight, g						
IR-TS-HLB-DOS-1	32.20	5	29.67	5	30.93	5
IR-TS-HLB-DOS-2	34.53	3	30.27	4	32.40	4
IR-TS-HLB-DOS-3	34.87	2	32.33	2	33.60	2
IR-TS-HLB-DOS-4	34.40	4	32.27	3	33.33	3
IR-TS-HLB-DOS-5	35.67	1	32.60	1	34.13	1
Mean	34.33		31.43		32.88	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		**	0.11	0.66	1.28	
Genotype (B)		**	0.48	1.44	3.58	
B within A		N.S.	0.68	2.04		
A within B			0.62	1.85		
Date of Sowing:	15.11.2025	05.12.2025	Date of Harvesting:	16.04.2026	20.04.2026	26

Table 7.17.3 CentralZone		IR-TS-MB- DOS			Jabalpur	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	14.00	5	9.40	4	11.70	5
IR-TS-HLB-DOS-2	22.94	3	13.62	3	18.28	3
IR-TS-HLB-DOS-3	25.18	2	23.98	1	24.58	2
IR-TS-HLB-DOS-4	27.00	1	23.73	2	25.36	1
IR-TS-HLB-DOS-5	21.04	4	6.54	5	13.79	4
Mean	22.03		15.45		18.74	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.58	3.52	11.94	
Genotype (B)		**	0.88	2.64	11.52	
B within A		**	1.25	3.74		
A within B			1.26	3.76		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	624	2	566	2	595	1
IR-TS-HLB-DOS-2	552	4	542	4	547	4
IR-TS-HLB-DOS-3	571	3	554	3	563	3
IR-TS-HLB-DOS-4	639	1	516	5	578	2
IR-TS-HLB-DOS-5	476	5	583	1	529	5
Mean	572		552		562	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	12.55	76.40	8.65	
Genotype (B)		N.S.	16.42	49.23	7.15	
B within A		**	23.22	69.62		
A within B			24.27	72.76		
Grains/earhead						
IR-TS-HLB-DOS-1	5.19	5	5.10	5	5.14	5
IR-TS-HLB-DOS-2	9.99	4	7.00	2	8.50	4
IR-TS-HLB-DOS-3	12.30	1	6.65	4	9.47	1
IR-TS-HLB-DOS-4	11.85	2	6.92	3	9.39	3
IR-TS-HLB-DOS-5	11.57	3	7.29	1	9.43	2
Mean	10.18		6.59		8.39	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)						
Genotype (B)						
B within A						
A within B						
1000 grains weight, g						
IR-TS-HLB-DOS-1	43.33	1	42.00	1	42.67	1
IR-TS-HLB-DOS-2	41.67	2	34.67	4	38.17	2
IR-TS-HLB-DOS-3	36.00	4	34.67	4	35.33	5
IR-TS-HLB-DOS-4	35.67	5	37.67	2	36.67	4
IR-TS-HLB-DOS-5	38.33	3	37.67	2	38.00	3
Mean	39.00		37.33		38.17	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.17	1.03	1.72	
Genotype (B)		**	0.79	2.37	5.07	
B within A		*	1.12	3.35		
A within B			1.01	3.04		
Date of Sowing:	18.11.2025	10.12.2025	Date of Harvesting:	22.03.2026	03.04.2026	

Table 7.17.4 Central Zone		IR-TS-MB- DOS			Udaipur	2025-26
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
IR-TS-HLB-DOS-1	26.60	5	29.97	5	28.28	5
IR-TS-HLB-DOS-2	40.67	3	35.33	3	38.00	4
IR-TS-HLB-DOS-3	47.63	2	38.12	2	42.88	1
IR-TS-HLB-DOS-4	49.98	1	34.53	4	42.26	2
IR-TS-HLB-DOS-5	40.07	4	44.07	1	42.07	3
Mean	40.99		36.40		38.70	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	1.23	7.51	12.35	
Genotype (B)		**	1.63	4.88	10.30	
B within A		**	2.30	6.90		
A within B			2.40	7.20		
Earhead/sq.m.						
IR-TS-HLB-DOS-1	389	2	343	4	366	4
IR-TS-HLB-DOS-2	384	3	357	3	370	2
IR-TS-HLB-DOS-3	418	1	365	1	392	1
IR-TS-HLB-DOS-4	382	4	359	2	370	2
IR-TS-HLB-DOS-5	355	5	338	5	347	5
Mean	386		353		369	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	10.73	65.27	11.26	
Genotype (B)		N.S.	9.51	28.52	6.31	
B within A		N.S.	13.45	40.33		
A within B			16.12	48.33		
Grains/earhead						
IR-TS-HLB-DOS-1	18.15	5	24.93	5	21.54	5
IR-TS-HLB-DOS-2	26.50	4	27.19	3	26.85	4
IR-TS-HLB-DOS-3	28.33	3	30.60	2	29.47	3
IR-TS-HLB-DOS-4	32.39	1	26.78	4	29.59	2
IR-TS-HLB-DOS-5	29.23	2	37.78	1	33.50	1
Mean	26.92		29.46		28.19	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		N.S.	1.03	6.27	14.16	
Genotype (B)		**	1.56	4.66	13.52	
B within A		*	2.20	6.60		
A within B			2.22	6.66		
1000 grains weight, g						
IR-TS-HLB-DOS-1	38.50	5	35.13	3	36.82	4
IR-TS-HLB-DOS-2	40.13	3	36.53	1	38.33	1
IR-TS-HLB-DOS-3	40.27	2	34.43	5	37.35	3
IR-TS-HLB-DOS-4	40.45	1	36.03	2	38.24	2
IR-TS-HLB-DOS-5	38.67	4	34.50	4	36.58	5
Mean	39.60		35.33		37.47	
		F. Test	S.E.m	CD (0.05)	C.V.(%)	
Sowing (A)		*	0.57	3.48	5.91	
Genotype (B)		N.S.	0.77	2.30	5.02	
B within A		N.S.	1.09	3.25		
A within B			1.13	3.38		
Date of Sowing:	18.11.2025	05.12.2025	Date of Harvesting:	20.03.2026	27.03.2026	26