

Table 2.5. North Western Plain Zone		IR-TS-HL-DOS	Centrewise	Yield, q/ha	2023-24
Sowing Time	Genotype	Durgapura	Karnal	Ludhiana	Zonal mean
Timely	NWLSDOS 101	43.47	37.82	43.50	41.59
	NWLSDOS 102	52.39	37.87	44.30	44.85
	NWLSDOS 104	64.33	39.34	57.75	53.81
	NWLSDOS 105	58.70	32.07	49.83	46.87
	Mean	54.72	36.77	48.84	46.78
Late	NWLSDOS 101	25.30	34.38	27.17	28.95
	NWLSDOS 102	22.77	34.14	23.71	26.88
	NWLSDOS 104	26.94	35.43	38.04	33.47
	NWLSDOS 105	20.20	29.50	31.92	27.21
	Mean	23.80	33.36	30.21	29.12
Mean	NWLSDOS 101	34.38	36.10	35.33	35.27
	NWLSDOS 102	37.58	36.01	34.00	35.86
	NWLSDOS 104	45.63	37.38	47.90	43.64
	NWLSDOS 105	39.45	30.79	40.87	37.04
	Mean	39.26	35.07	39.53	37.95
CD (0.05)	Sowing (A)	1.51	0.81	1.98	0.58
	Genotype (B)	3.19	1.57	3.08	1.48
	B within A	4.50	2.22	4.36	2.10
	A within B	4.01	1.98	3.96	2.16
Date of Sowing:	Timely	09.11.2023	12.11.2023	15.11.2023	
	Late	07.12.2023	10.12.2023	10.12.2023	
Date of Harvesting:	Timely	04.03.2024	15.04.2024	12.04.2024	
	Late	18.03.2024	22.04.2024	12.04.2024	

Table 2.6. North Western Plain Zone IR-TS-HL-DOS Pooled 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
AVTHL 2301	41.59	4	28.95	2	35.27	4
AVTHL 2302	44.85	3	26.88	4	35.86	3
AVTHL 2303	53.81	1	33.47	1	43.64	1
AVTHL 2304	46.87	2	27.21	3	37.04	2
Mean	46.78		29.12		37.95	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.58	1.48		2.10		2.16
Earhead/sq.m.						
AVTHL 2301	324.70	4	266.05	3	295.37	3
AVTHL 2302	335.08	3	270.83	2	302.95	2
AVTHL 2303	367.97	1	282.43	1	325.20	1
AVTHL 2304	338.17	2	249.70	4	293.93	4
Mean	341.48		267.25		304.36	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	4.71	8.46		11.97		12.71
Grains/earhead						
AVTHL 2301	31.91	3	29.37	3	30.64	3
AVTHL 2302	29.57	4	23.73	4	26.65	4
AVTHL 2303	39.07	1	31.59	1	35.33	1
AVTHL 2304	33.70	2	30.84	2	32.27	2
Mean	33.56		28.88		31.22	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	1.31	1.81		NS		2.82
1000 grains weight, g						
AVTHL 2301	40.67	3	38.23	3	39.45	2
AVTHL 2302	45.32	1	42.96	1	44.14	1
AVTHL 2303	38.97	4	38.63	2	38.80	4
AVTHL 2304	41.52	2	37.35	4	39.43	3
Mean	41.62		39.29		40.45	
	Sowing (A)	Genotype (B)		B within A		A within B
CD (0.05)	1.37	1.13		NS		2.03

Centres: Durgapura, Karnal, Ludhiana

Table 2.6.1. North Western Plain Zone		IR-TS-HL-DOS			Durgapura	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
AVTHL 2301	43.47	4	25.30	2	34.38	4
AVTHL 2302	52.39	3	22.77	3	37.58	3
AVTHL 2303	64.33	1	26.94	1	45.63	1
AVTHL 2304	58.70	2	20.20	4	39.45	2
Mean	54.72		23.80		39.26	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.37	1.51	3.23	
Genotype (B)	**		1.26	3.19	7.89	
B within A	**		1.79	4.50		
A within B			1.59	4.01		
Earhead/sq.m.						
AVTHL 2301	335	4	199	2	267	4
AVTHL 2302	361	3	183	3	272	3
AVTHL 2303	422	1	210	1	316	1
AVTHL 2304	396	2	167	4	282	2
Mean	379		190		284	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		2.37	9.77	2.88	
Genotype (B)	**		6.69	16.87	5.77	
B within A	**		9.46	23.85		
A within B			8.53	21.50		
Grains/earhead						
AVTHL 2301	28.97	4	29.32	1	29.14	3
AVTHL 2302	30.25	3	24.91	4	27.58	4
AVTHL 2303	33.40	1	29.31	2	31.36	1
AVTHL 2304	31.32	2	27.53	3	29.42	2
Mean	30.98		27.77		29.38	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		0.50	2.08	5.93	
Genotype (B)	*		0.84	2.12	7.03	
B within A	N.S.		1.19	3.00		
A within B			1.15	2.89		
1000 grains weight, g						
AVTHL 2301	44.86	4	43.56	4	44.21	4
AVTHL 2302	48.19	1	50.14	1	49.17	1
AVTHL 2303	45.75	3	43.96	2	44.86	3
AVTHL 2304	47.35	2	43.95	3	45.65	2
Mean	46.54		45.40		45.97	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		1.10	4.52	8.25	
Genotype (B)	*		1.12	2.83	5.99	
B within A	N.S.		1.59	4.00		
A within B			1.76	4.43		
Date of Sowing:	9.11.2023	7.12.2023	Date of Harvesting:	4.03.2024	18.03.2024	

Table 2.6.2. North Western Plain Zone		IR-TS-HL-DOS			Karnal	2023-24
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
AVTHL 2301	37.82	3	34.38	2	36.10	2
AVTHL 2302	37.87	2	34.14	3	36.01	3
AVTHL 2303	39.34	1	35.43	1	37.38	1
AVTHL 2304	32.07	4	29.50	4	30.79	4
Mean	36.77		33.36		35.07	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.20	0.81	1.94	
Genotype (B)	**		0.62	1.57	4.34	
B within A	N.S.		0.88	2.22		
A within B			0.79	1.98		
Earhead/sq.m.						
AVTHL 2301	343	2	343	3	343	2
AVTHL 2302	340	3	344	2	342	3
AVTHL 2303	367	1	354	1	360	1
AVTHL 2304	328	4	329	4	328	4
Mean	344		343		344	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		3.93	16.22	3.96	
Genotype (B)	N.S.		7.89	19.90	5.63	
B within A	N.S.		11.16	28.14		
A within B			10.44	26.30		
Grains/earhead						
AVTHL 2301	28.75	1	26.65	2	27.70	2
AVTHL 2302	27.97	3	24.73	3	26.35	3
AVTHL 2303	28.20	2	27.29	1	27.75	1
AVTHL 2304	26.26	4	24.42	4	25.34	4
Mean	27.79		25.78		26.78	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.52	2.14	6.71	
Genotype (B)	N.S.		0.96	2.42	8.79	
B within A	N.S.		1.36	3.43		
A within B			1.29	3.24		
1000 grains weight, g						
AVTHL 2301	38.48	2	37.77	2	38.13	2
AVTHL 2302	40.07	1	40.17	1	40.12	1
AVTHL 2303	38.17	3	36.68	4	37.43	3
AVTHL 2304	37.40	4	36.71	3	37.05	4
Mean	38.53		37.83		38.18	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.25	1.02	2.25	
Genotype (B)	**		0.45	1.13	2.88	
B within A	N.S.		0.63	1.60		
A within B			0.60	1.52		
Date of Sowing:	12.11.2023	10.12.2023	Date of Harvesting:	15.04.2024	22.04.2024	

Table 2.6.3. North Western Plain Zone IR-TS-HL-DOS Ludhiana 2023-24

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
AVTHL 2301	43.50	4	27.17	3	35.33	3
AVTHL 2302	44.30	3	23.71	4	34.00	4
AVTHL 2303	57.75	1	38.04	1	47.90	1
AVTHL 2304	49.83	2	31.92	2	40.87	2
Mean	48.84		30.21		39.53	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	**		0.48	1.98	4.20	
Genotype (B)	**		1.22	3.08	7.58	
B within A	N.S.		1.73	4.36		
A within B			1.57	3.96		
Earhead/sq.m.						
AVTHL 2301	297	3	256	3	276	3
AVTHL 2302	305	2	285	1	295	2
AVTHL 2303	315	1	283	2	299	1
AVTHL 2304	291	4	252	4	272	4
Mean	302		269		286	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		2.34	9.65	2.84	
Genotype (B)	**		2.49	6.27	2.13	
B within A	*		3.52	8.86		
A within B			3.84	9.67		
Grains/earhead						
AVTHL 2301	38.02	3	32.14	3	35.08	3
AVTHL 2302	30.48	4	21.56	4	26.02	4
AVTHL 2303	55.60	1	38.16	2	46.88	1
AVTHL 2304	43.53	2	40.56	1	42.04	2
Mean	41.91		33.10		37.51	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	*		1.24	5.10	11.42	
Genotype (B)	**		1.88	4.74	12.28	
B within A	N.S.		2.66	6.70		
A within B			2.61	6.58		
1000 grains weight, g						
AVTHL 2301	38.66	3	33.35	3	36.01	2
AVTHL 2302	47.69	1	38.58	1	43.13	1
AVTHL 2303	32.98	4	35.24	2	34.11	4
AVTHL 2304	39.81	2	31.38	4	35.59	3
Mean	39.78		34.64		37.21	
	F. Test		SEm	CD (0.05)	CV (%)	
Sowing (A)	N.S.		0.99	4.09	9.23	
Genotype (B)	**		0.75	1.90	4.96	
B within A	**		1.07	2.68		
A within B			1.35	3.41		
Date of Sowing:	15.11.2023	10.12.2023	Date of Harvesting:	12.04.2024	12.04.2024	