

Table 4.9. Central Zone IR-TS-HL-DOS		Centrewise Yield, q/ha		2023-24
Sowing time	Genotype	Gwalior	Udaipur	Zonal mean
Timely	AVTHL 2301	21.52	43.12	32.32
	AVTHL 2302	17.45	43.62	30.53
	AVTHL 2303	22.97	49.52	36.25
	AVTHL 2304	21.18	40.48	30.83
	Mean	20.78	44.19	32.48
Late	AVTHL 2301	20.79	37.16	28.98
	AVTHL 2302	16.81	40.12	28.47
	AVTHL 2303	16.56	44.93	30.75
	AVTHL 2304	21.54	38.97	30.25
	Mean	18.93	40.30	29.61
Mean	AVTHL 2301	21.15	40.14	30.65
	AVTHL 2302	17.13	41.87	29.50
	AVTHL 2303	19.77	47.23	33.50
	AVTHL 2304	21.36	39.72	30.54
	Mean	19.85	42.24	31.05
CD (0.05)	Sowing time (A)	1.04	0.87	0.49
	Genotype (B)	1.15	2.08	1.14
	B within A	1.63	2.94	1.61
	A within B	1.54	2.60	1.79
Date of Sowing:	Timely	11.11.2023	06.11.2023	
	Late	09.12.2023	01.12.2023	
Date of Harvesting:	Timely	09.04.2024	05.03.2024	
	Late	12.04.2024	18.03.2024	

<b>Table 4.10. Central Zone</b>		<b>IR-TS-HL-DOS</b>			<b>Pooled</b>	<b>2023-24</b>
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
AVTHL 2301	32.32	2	28.98	3	30.65	2
AVTHL 2302	30.53	4	28.47	4	29.50	4
AVTHL 2303	36.25	1	30.75	1	33.50	1
AVTHL 2304	30.83	3	30.25	2	30.54	3
Mean	32.48		29.61		31.05	
	Sowing (A)	Genotype (B)		B within A	A within B	
CD (0.05)	0.49	1.14		1.61	1.79	
<b>Earhead/sqm</b>						
AVTHL 2301	328	2	300	3	314	2
AVTHL 2302	311	4	286	4	299	4
AVTHL 2303	345	1	309	1	327	1
AVTHL 2304	323	3	302	2	313	3
Mean	327		299		313	
	Sowing (A)	Genotype (B)		B within A	A within B	
CD (0.05)	NS	13.05		NS	27.22	
<b>Grains/Earhead</b>						
AVTHL 2301	27.42	2	27.47	3	27.44	2
AVTHL 2302	25.20	4	26.64	4	25.92	4
AVTHL 2303	28.06	1	28.20	1	28.13	1
AVTHL 2304	25.70	3	28.07	2	26.89	3
Mean	26.60		27.59		27.10	
	Sowing (A)	Genotype (B)		B within A	A within B	
CD (0.05)	N.S.	N.S.		N.S.	N.S.	
<b>1000 Grains Weight, g</b>						
AVTHL 2301	35.88	4	34.89	3	35.39	4
AVTHL 2302	37.88	1	36.43	1	37.16	1
AVTHL 2303	36.50	2	34.40	4	35.45	3
AVTHL 2304	36.43	3	35.22	2	35.82	2
Mean	36.67		35.23		35.95	
	Sowing (A)	Genotype (B)		B within A	A within B	
CD (0.05)	N.S.	1.15		N.S.	2.11	
<b>Centres:</b>	Gwalior, Udaipur					

<b>Table 4.10.1. Central Zone</b>		<b>IR-TS-HL-DOS</b>		<b>Gwalior</b>	<b>2023-24</b>	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
AVTHL 2301	21.52	2	20.79	2	21.15	2
AVTHL 2302	17.45	4	16.81	3	17.13	4
AVTHL 2303	22.97	1	16.56	4	19.77	3
AVTHL 2304	21.18	3	21.54	1	21.36	1
Mean	20.78		18.93		19.85	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	0.25	1.04	4.38	
Genotype (B)		**	0.46	1.15	5.63	
B within A		**	0.64	1.63		
A within B			0.61	1.54		
<b>Earhead/sqm</b>						
AVTHL 2301	267	2	256	1	262	2
AVTHL 2302	239	4	215	4	227	4
AVTHL 2303	272	1	254	2	263	1
AVTHL 2304	264	3	246	3	255	3
Mean	261		243		252	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	1.98	8.18	2.73	
Genotype (B)		**	4.30	10.85	4.19	
B within A		N.S.	6.09	15.34		
A within B			5.63	14.19		
<b>Grains/Earhead</b>						
AVTHL 2301	21.04	3	21.9	2	21.5	2
AVTHL 2302	17.99	4	20.3	3	19.2	4
AVTHL 2303	22.43	1	17.8	4	20.1	3
AVTHL 2304	21.46	2	23.9	1	22.7	1
Mean	20.73		21.0		20.9	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	0.11	0.47	1.88	
Genotype (B)		**	0.59	1.50	6.98	
B within A		**	0.84	2.12		
A within B			0.74	1.86		
<b>1000 Grains Weight, g</b>						
AVTHL 2301	38.27	2	37.0	2	37.6	2
AVTHL 2302	40.63	1	38.7	1	39.6	1
AVTHL 2303	37.73	3	36.7	4	37.2	3
AVTHL 2304	37.40	4	36.7	3	37.1	4
Mean	38.51		37.3		37.9	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	0.33	1.38	3.05	
Genotype (B)		**	0.48	1.22	3.13	
B within A		N.S.	0.69	1.73		
A within B			0.68	1.72		
Date of Sowing	11.11.2023		09.12.2023			
Date of Harvesting	09.04.2024		12.04.2024			

<b>Table 4.10.2. Central Zone</b>		<b>IR-TS-HL-DOS</b>		<b>Udaipur</b>	<b>2023-24</b>	
Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
AVTHL 2301	43.12	3	37.16	4	40.14	3
AVTHL 2302	43.62	2	40.12	2	41.87	2
AVTHL 2303	49.52	1	44.93	1	47.23	1
AVTHL 2304	40.48	4	38.97	3	39.72	4
Mean	44.19		40.30		42.24	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		**	0.21	0.87	1.73	
Genotype (B)		**	0.82	2.08	4.78	
B within A		N.S.	1.17	2.94		
A within B			1.03	2.60		
<b>Earhead/sqm</b>						
AVTHL 2301	389	2	343	4	366	4
AVTHL 2302	384	3	357	3	370	2
AVTHL 2303	418	1	365	1	392	1
AVTHL 2304	382	4	359	2	370	2
Mean	393		356		375	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	14.18	58.56	13.11	
Genotype (B)		N.S.	9.87	24.89	6.46	
B within A		N.S.	13.97	35.19		
A within B			18.64	46.97		
<b>Grains/Earhead</b>						
AVTHL 2301	33.80	1	33.0	2	33.4	2
AVTHL 2302	32.41	3	32.9	3	32.7	3
AVTHL 2303	33.69	2	38.6	1	36.1	1
AVTHL 2304	29.95	4	32.3	4	31.1	4
Mean	32.46		34.2		33.3	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	0.81	3.34	8.39	
Genotype (B)		*	1.11	2.81	8.19	
B within A		N.S.	1.58	3.97		
A within B			1.59	4.00		
<b>1000 Grains Weight, g</b>						
AVTHL 2301	33.50	4	32.8	3	33.2	4
AVTHL 2302	35.13	3	34.2	1	34.7	1
AVTHL 2303	35.27	2	32.1	4	33.7	3
AVTHL 2304	35.45	1	33.7	2	34.6	2
Mean	34.84		33.2		34.0	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	0.82	3.39	8.36	
Genotype (B)		N.S.	0.82	2.06	5.87	
B within A		N.S.	1.15	2.91		
A within B			1.29	3.26		
Date of Sowing	06.11.2023		01.12.2023			
Date of Harvesting	05.03.2024		18.03.2024			