

Table 4.1. Central Zone

Sowing Time	Genotypes	IR-TS-DOS-TAD						Yield, q/ha			2021-22 Zonal Mean
		Bilaspur	Durgapura	Indore	Jabalpur	Jungagadh	Powarkheda	Udaipur	Vijapur		
Timely	HI1650	43.21	45.23	55.37	48.78	55.25	51.71	55.89	46.83	50.28	
	MACS6768	46.64	46.55	52.77	46.20	52.14	46.84	55.49	53.71	50.04	
	MP3535	41.42	49.23	45.20	39.29	42.18	31.25	48.67	44.00	42.65	
	GW513 (I)	48.08	44.23	52.53	53.16	53.12	53.78	52.36	54.54	51.48	
	HI1544 (C)	46.77	53.69	54.33	57.03	53.65	57.67	53.67	52.13	53.62	
	GW322 (C)	44.73	52.37	46.33	41.31	54.73	43.38	54.94	51.21	48.63	
	HI1636 (I)	42.12	52.61	51.57	45.29	47.22	45.79	45.14	52.50	47.78	
	Mean	44.71	49.13	51.16	47.29	51.19	47.20	52.31	50.70	49.21	
Late	HI1650	36.25	43.26	50.27	46.12	52.86	37.22	52.20	43.92	45.26	
	MACS6768	39.16	41.97	48.10	44.21	52.70	45.78	50.06	46.92	46.11	
	MP3535	32.45	31.01	48.50	41.64	50.68	34.37	43.67	38.13	40.06	
	GW513 (I)	41.24	40.81	51.20	50.51	58.38	48.43	47.56	43.42	47.69	
	HI1544 (C)	40.37	32.99	49.27	53.30	56.99	55.51	43.04	46.50	47.24	
	GW322 (C)	38.86	33.65	46.10	37.02	56.35	30.79	50.93	43.33	42.13	
	HI1636 (I)	34.82	32.64	50.43	41.64	51.39	41.11	37.33	41.54	41.36	
	Mean	37.59	36.62	49.12	44.92	54.19	41.89	46.40	43.39	44.27	
Mean	HI1650	39.73	44.24	52.82	47.45	54.05	44.47	54.05	45.38	47.77	
	MACS6768	42.90	44.26	50.43	45.20	52.42	46.31	52.78	50.31	48.08	
	MP3535	36.94	40.12	46.85	40.46	46.43	32.81	46.17	41.06	41.36	
	GW513 (I)	44.66	42.52	51.87	51.84	55.75	51.11	49.96	48.98	49.58	
	HI1544 (C)	43.57	43.34	51.80	55.16	55.32	56.59	48.35	49.31	50.43	
	GW322 (C)	41.80	43.01	46.22	39.17	55.54	37.09	52.94	47.27	45.38	
	HI1636 (I)	38.47	42.63	51.00	43.47	49.31	43.45	41.23	47.02	44.57	
	Mean	41.15	42.87	50.14	46.11	52.69	44.55	49.35	47.05	46.74	
CD (0.05)	Sowing (A)	4.77	1.32	3.24	4.53	9.31	1.48	0.94	3.62	0.94	
	Genotypes (B)	1.95	2.65	1.89	3.05	2.84	3.25	4.89	2.89	1.05	
	B within A	2.75	3.74	2.67	4.32	4.02	4.59	6.92	4.09	1.47	
	A within B	3.80	3.55	3.12	4.81	6.63	4.34	6.43	4.35	1.64	
Date of sowing	Timely	12.11.2021	18.11.2021	12.11.2021	14.11.2021	16.11.2021	12.11.2021	16.11.2021	13.11.2021		
Date of sowing	Late	03.12.2021	08.12.2021	7.12.2021	06.12.2021	07.12.2021	04.12.2021	06.12.2021	04.12.2021		
Date of Harvesting		04.04.2022	21.3.2022	19.3.2022	26.03.2022	10.03.2022	21.03.2022	26.03.2022	03.03.2022		
		18.04.2022	02.4.2022	29.3.2022	12.04.2022	17.03.2022	31.03.2022	01.04.2022	22.03.2022		

<b>Table 4.2. Central Zone</b>		<b>IR-TS-DOS-TAD</b>		<b>Pooled</b>		<b>2021-22</b>	
<b>Genotype</b>	<b>Sowing Time</b>						
	<b>Timely</b>	<b>Rk</b>	<b>Late</b>	<b>Rk</b>	<b>Mean</b>	<b>Rk</b>	
	<b>Yield, q/ha</b>						
HI1650	50.28	3	45.26	4	47.77	4	
MACS6768	50.04	4	46.11	3	48.08	3	
MP3535	42.65	7	40.06	7	41.36	7	
GW513 (I)	51.48	2	47.69	1	49.58	2	
HI1544 (C)	53.62	1	47.24	2	50.43	1	
GW322 (C)	48.63	5	42.13	5	45.38	5	
HI1636 (I)	47.78	6	41.36	6	44.57	6	
Mean	49.21		44.27		46.74		
	Sowing Time (A)	Genotype (B)		B within A		A within B	
CD (0.05)	0.95	1.04		1.47		1.64	
	<b>Earhead/sq.m.</b>						
HI1650	372	5	345	6	359	6	
MACS6768	370	6	352	4	361	4	
MP3535	414	1	373	2	393	1	
GW513 (I)	374	4	347	5	360	5	
HI1544 (C)	384	3	379	1	382	2	
GW322 (C)	390	2	363	3	377	3	
HI1636 (I)	344	7	326	7	335	7	
Mean	378		355		367		
	Sowing Time (A)	Genotype (B)		B within A		A within B	
CD (0.05)	4.93	7.7		10.88		11.16	
	<b>Grains /earhead</b>						
HI1650	28.6	4	30.4	4	29.5	4	
MACS6768	29.4	3	32.3	1	30.8	2	
MP3535	24.1	7	27.0	7	25.6	7	
GW513 (I)	28.2	6	29.9	5	29.0	5	
HI1544 (C)	32.1	1	30.5	3	31.3	1	
GW322 (C)	29.9	2	31.6	2	30.7	3	
HI1636 (I)	28.2	5	27.8	6	28.0	6	
Mean	28.6		29.9		29.3		
	Sowing Time (A)	Genotype (B)		B within A		A within B	
CD (0.05)	0.73	0.99		1.41		1.48	
	<b>1000 Grains Weight, g</b>						
HI1650	48.73	3	44.19	3	46.46	3	
MACS6768	47.12	4	42.09	5	44.61	4	
MP3535	45.19	5	41.01	6	43.10	6	
GW513 (I)	50.24	2	47.01	2	48.63	2	
HI1544 (C)	44.87	6	42.23	4	43.55	5	
GW322 (C)	42.74	7	38.80	7	40.77	7	
HI1636 (I)	50.61	1	47.29	1	48.95	1	
Mean	47.07		43.23		45.15		
	Sowing Time (A)	Genotype (B)		B within A		A within B	
CD (0.05)	0.45	0.86		NS		NS	
Centres: Bilaspur, Durgapura, Indore, Jabalpur, Junagadh, Powarkheda, Udaipur, Vijapur							

**Table 4.2.1. Central Zone IR-TS-DOS-TAD Bilaspur 2021-22**

Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
HI1650	43.21	5	36.25	5	39.73	5
MACS6768	46.64	3	39.16	3	42.90	3
MP3535	41.42	7	32.45	7	36.94	7
GW513 (I)	48.08	1	41.24	1	44.66	1
HI1544 (C)	46.77	2	40.37	2	43.57	2
GW322 (C)	44.73	4	38.86	4	41.80	4
HI1636 (I)	42.12	6	34.82	6	38.47	6
Mean	44.71		37.59		41.15	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	1.16	4.77	12.95		
Genotypes (B)	**	0.80	1.95	4.79		
B within A	N.S.	1.14	2.75			
A within B		1.57	3.80			
<b>Earhead/sq.m.</b>						
HI1650	374	5	370	5	372	5
MACS6768	389	3	377	3	383	2
MP3535	370	6	359	7	365	6
GW513 (I)	391	1	385	1	388	1
HI1544 (C)	389	2	377	4	383	3
GW322 (C)	376	4	382	2	379	4
HI1636 (I)	367	7	362	6	364	7
Mean	379		373		376	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	3.54	14.54	4.31		
Genotypes (B)	**	4.55	11.00	2.96		
B within A	N.S.	6.43	15.56			
A within B		6.93	16.76			
<b>Grains /earhead</b>						
HI1650	26.98	5	24.37	5	25.68	5
MACS6768	27.80	3	25.13	3	26.47	3
MP3535	26.25	7	22.63	7	24.44	7
GW513 (I)	27.92	1	25.52	2	26.72	2
HI1544 (C)	27.83	2	25.65	1	26.74	1
GW322 (C)	27.79	4	24.96	4	26.38	4
HI1636 (I)	26.75	6	23.96	6	25.36	6
Mean	27.33		24.60		25.97	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	1.14	4.69	20.20		
Genotypes (B)	N.S.	0.78	1.89	7.37		
B within A	N.S.	1.10	2.67			
A within B		1.53	3.71			

1000 grain wt, g						
HI1650	43.02	5	40.21	5	41.61	5
MACS6768	43.47	3	41.30	3	42.38	3
MP3535	42.75	7	39.91	7	41.33	7
GW513 (I)	44.05	1	42.13	1	43.09	1
HI1544 (C)	43.48	2	41.79	2	42.63	2
GW322 (C)	43.04	4	40.85	4	41.95	4
HI1636 (I)	43.01	6	40.19	6	41.60	6
Mean	43.26		40.91		42.08	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.49	2.00	5.30		
Genotypes (B)	N.S.	1.00	2.41	5.80		
B within A	N.S.	1.41	3.41			
A within B		1.39	3.37			
Date of Sowing:		12.11.2021		03.12.2021		
Date of Harvesting:		04.04.2022		18.04.2022		

Table 4.2.2. Central Zone						
IR-TS-DOS-TAD					Durgapura	2021-22
Genotypes	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HI1650	45.23	6	43.26	1	44.24	2
MACS6768	46.55	5	41.97	2	44.26	1
MP3535	49.23	4	31.01	7	40.12	7
GW513 (I)	44.23	7	40.81	3	42.52	6
HI1544 (C)	53.69	1	32.99	5	43.34	3
GW322 (C)	52.37	3	33.65	4	43.01	4
HI1636 (I)	52.61	2	32.64	6	42.63	5
Mean	49.13		36.62		42.87	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.32	1.32	3.44		
Genotypes (B)	N.S.	1.09	2.65	6.25		
B within A	**	1.55	3.74			
A within B		1.47	3.55			
Earhead/sq.m.						
HI1650	328	6	312	2	320	2
MACS6768	334	5	360	1	347	1
MP3535	359	4	276	4	317	3
GW513 (I)	326	7	299	3	313	5
HI1544 (C)	365	1	262	5	313	4
GW322 (C)	362	2	258	6	310	6
HI1636 (I)	359	3	254	7	306	7
Mean	347		289		318	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.66	2.73	0.96		
Genotypes (B)	**	6.00	14.52	4.62		
B within A	**	8.49	20.54			
A within B		7.89	19.08			

<b>Grains /earhead</b>						
HI1650	34.05	7	33.66	2	33.85	5
MACS6768	36.70	3	31.59	4	34.14	4
MP3535	35.04	5	27.27	7	31.16	7
GW513 (I)	34.59	6	34.48	1	34.53	2
HI1544 (C)	37.81	1	31.23	5	34.52	3
GW322 (C)	36.11	4	30.97	6	33.54	6
HI1636 (I)	37.07	2	33.30	3	35.19	1
Mean	35.91		31.79		33.85	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.72	2.94	9.72		
Genotypes (B)	N.S.	0.98	2.37	7.09		
B within A	N.S.	1.39	3.35			
A within B		1.47	3.56			
<b>1000 grain wt, g</b>						
HI1650	40.57	1	41.27	3	40.92	2
MACS6768	38.08	7	37.05	7	37.57	7
MP3535	39.23	6	41.27	2	40.25	3
GW513 (I)	39.25	5	39.64	5	39.44	5
HI1544 (C)	39.35	4	40.37	4	39.86	4
GW322 (C)	40.04	2	42.18	1	41.11	1
HI1636 (I)	39.59	3	38.65	6	39.12	6
Mean	39.44		40.06		39.75	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	1.00	4.11	11.56		
Genotypes (B)	N.S.	0.87	2.11	5.36		
B within A	N.S.	1.23	2.98			
A within B		1.52	3.67			
Date of Sowing:		18.11.2021		08.12.2021		
Date of Harvesting:		21.3.2022		02.4.2022		

<b>Table 4.2.3. Central Zone</b>	<b>IR-TS-DOS-TAD</b>				<b>Indore</b>	<b>2021-22</b>
<b>Genotypes</b>	<b>Sowing Time</b>				<b>Mean</b>	<b>Rk</b>
	<b>Timely</b>	<b>Rk</b>	<b>Late</b>	<b>Rk</b>		
<b>Yield, q/ha</b>						
HI1650	55.37	1	50.27	3	52.82	1
MACS6768	52.77	3	48.10	6	50.43	5
MP3535	45.20	7	48.50	5	46.85	6
GW513 (I)	52.53	4	51.20	1	51.87	2
HI1544 (C)	54.33	2	49.27	4	51.80	3
GW322 (C)	46.33	6	46.10	7	46.22	7
HI1636 (I)	51.57	5	50.43	2	51.00	4
Mean	51.16		49.12		50.14	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.79	3.24	7.23		
Genotypes (B)	**	0.78	1.89	3.81		
B within A	**	1.10	2.67			
A within B		1.29	3.12			

<b>Earhead/sq.m.</b>						
HI1650	371	1	344	1	357	1
MACS6768	326	6	270	7	298	6
MP3535	345	4	328	3	337	3
GW513 (I)	330	5	313	4	321	5
HI1544 (C)	357	2	340	2	348	2
GW322 (C)	356	3	292	5	324	4
HI1636 (I)	308	7	276	6	292	7
Mean	342		309		325	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	2.90	11.91	4.09		
Genotypes (B)	**	7.02	16.99	5.29		
B within A	N.S.	9.93	24.03			
A within B		9.64	23.33			
<b>Grains /earhead</b>						
HI1650	30.93	5	35.47	7	33.20	7
MACS6768	35.33	1	48.07	1	41.70	1
MP3535	31.09	4	37.17	4	34.13	5
GW513 (I)	31.31	3	36.61	6	33.96	6
HI1544 (C)	33.16	2	36.67	5	34.92	3
GW322 (C)	30.45	6	44.61	2	37.53	2
HI1636 (I)	30.39	7	38.23	3	34.31	4
Mean	31.81		39.54		35.68	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.13	0.53	1.65		
Genotypes (B)	**	1.04	2.52	7.15		
B within A	**	1.47	3.57			
A within B		1.37	3.32			
<b>1000 grain wt, g</b>						
HI1650	48.37	3	41.27	3	44.82	3
MACS6768	45.93	4	37.20	6	41.57	5
MP3535	42.17	7	39.90	5	41.03	6
GW513 (I)	50.90	2	44.77	2	47.83	2
HI1544 (C)	45.90	5	40.07	4	42.98	4
GW322 (C)	42.87	6	35.33	7	39.10	7
HI1636 (I)	55.13	1	47.83	1	51.48	1
Mean	47.32		40.91		44.12	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.24	0.98	2.48		
Genotypes (B)	**	0.26	0.63	1.44		
B within A	**	0.37	0.89			
A within B		0.42	1.00			
Date of Sowing:		12.11.2021		7.12.2021		
Date of Harvesting:		19.3.2022		29.3.2022		

**Table 4.2.4. Central Zone** **IR-TS-DOS-TAD** **Jabalpur** **2021-22**

Genotypes	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
HI1650	48.78	3	46.12	3	47.45	3
MACS6768	46.20	4	44.21	4	45.20	4
MP3535	39.29	7	41.64	6	40.46	6
GW513 (I)	53.16	2	50.51	2	51.84	2
HI1544 (C)	57.03	1	53.30	1	55.16	1
GW322 (C)	41.31	6	37.02	7	39.17	7
HI1636 (I)	45.29	5	41.64	5	43.47	5
Mean	47.29		44.92		46.11	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	1.11	4.53	10.99		
Genotypes (B)	**	1.26	3.05	6.70		
B within A	N.S.	1.78	4.32			
A within B		1.99	4.81			
<b>Earhead/sq.m.</b>						
HI1650	344	6	306	4	325	5
MACS6768	368	3	300	5	334	4
MP3535	357	4	320	2	339	3
GW513 (I)	387	2	317	3	352	2
HI1544 (C)	404	1	348	1	376	1
GW322 (C)	356	5	281	7	319	6
HI1636 (I)	320	7	284	6	302	7
Mean	362		308		335	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.36	1.49	0.50		
Genotypes (B)	**	3.07	7.44	2.25		
B within A	**	4.35	10.52			
A within B		4.04	9.78			
<b>Grains /earhead</b>						
HI1650	30.91	3	35.62	4	33.27	3
MACS6768	28.54	4	37.94	2	33.24	4
MP3535	26.65	6	35.04	5	30.85	5
GW513 (I)	27.04	5	32.15	6	29.60	6
HI1544 (C)	36.84	1	37.91	3	37.38	1
GW322 (C)	31.16	2	42.86	1	37.01	2
HI1636 (I)	26.33	7	29.77	7	28.05	7
Mean	29.64		35.90		32.77	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	1.17	4.81	16.41		
Genotypes (B)	**	1.69	4.08	12.62		
B within A	N.S.	2.39	5.78			
A within B		2.50	6.05			

1000 grain wt, g						
HI1650	46.13	3	42.66	3	44.40	3
MACS6768	44.28	4	38.98	5	41.63	4
MP3535	41.32	5	37.32	6	39.32	6
GW513 (I)	50.89	2	50.22	1	50.55	2
HI1544 (C)	38.59	6	40.59	4	39.59	5
GW322 (C)	37.23	7	31.11	7	34.17	7
HI1636 (I)	54.23	1	49.25	2	51.74	1
Mean	44.67		41.45		43.06	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.40	1.63	4.22		
Genotypes (B)	**	1.64	3.97	9.34		
B within A	N.S.	2.32	5.62			
A within B		2.19	5.29			
Date of Sowing:		14.11.2021		06.12.2021		
Date of Harvesting:		26.03.2022		12.04.2022		

**Table 4.2.5. Central Zone IR-TS-DOS-TAD Junagadh 2021-22**

Genotypes	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
HI1650	55.25	1	52.86	4	54.05	4
MACS6768	52.14	5	52.70	5	52.42	5
MP3535	42.18	7	50.68	7	46.43	7
GW513 (I)	53.12	4	58.38	1	55.75	1
HI1544 (C)	53.65	3	56.99	2	55.32	3
GW322 (C)	54.73	2	56.35	3	55.54	2
HI1636 (I)	47.22	6	51.39	6	49.31	6
Mean	51.19		54.19		52.69	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	2.27	9.31	19.74		
Genotypes (B)	**	1.17	2.84	5.46		
B within A	N.S.	1.66	4.02			
A within B		2.74	6.63			
<b>Earhead/sq.m.</b>						
HI1650	363	6	388	4	376	5
MACS6768	380	4	388	5	384	4
MP3535	447	1	462	1	454	1
GW513 (I)	353	7	380	6	367	7
HI1544 (C)	412	2	433	2	423	2
GW322 (C)	403	3	417	3	410	3
HI1636 (I)	365	5	380	6	373	6
Mean	389		407		398	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	8.83	36.22	10.17		
Genotypes (B)	**	13.37	32.36	8.23		
B within A	N.S.	18.91	45.77			
A within B		19.61	47.46			

<b>Grains /earhead</b>						
HI1650	27.61	2	24.25	4	25.93	2
MACS6768	25.12	4	24.06	6	24.59	4
MP3535	17.84	7	20.29	7	19.06	7
GW513 (I)	25.65	3	25.93	2	25.79	3
HI1544 (C)	24.71	5	24.27	3	24.49	5
GW322 (C)	27.88	1	26.84	1	27.36	1
HI1636 (I)	23.59	6	24.23	5	23.91	6
Mean	24.63		24.27		24.45	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.95	3.90	17.84		
Genotypes (B)	**	1.06	2.57	10.65		
B within A	N.S.	1.50	3.64			
A within B		1.69	4.08			
<b>1000 grain wt, g</b>						
HI1650	55.53	2	56.40	3	55.97	2
MACS6768	55.13	3	56.67	2	55.90	3
MP3535	53.00	5	54.27	5	53.63	5
GW513 (I)	58.60	1	59.27	1	58.93	1
HI1544 (C)	53.00	5	54.27	5	53.63	5
GW322 (C)	49.53	7	50.73	7	50.13	7
HI1636 (I)	55.07	4	56.27	4	55.67	4
Mean	54		55		55	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.08	0.31	0.64		
Genotypes (B)	**	0.61	1.48	2.74		
B within A	N.S.	0.87	2.10			
A within B		0.81	1.95			
Date of Sowing:		16.11.2021		07.12.2021		
Date of Harvesting:		03.10.2022		17.03.2022		

<b>Table 4.2.6. Central Zone</b>	<b>IR-TS-DOS-TAD</b>				<b>Powarkheda 2021-22</b>	
	<b>Sowing Time</b>					
<b>Genotypes</b>	Timely	Rk	Late	Rk	Mean	Rk
<b>Yield, q/ha</b>						
HI1650	51.71	3	37.22	5	44.47	4
MACS6768	46.84	4	45.78	3	46.31	3
MP3535	31.25	7	34.37	6	32.81	7
GW513 (I)	53.78	2	48.43	2	51.11	2
HI1544 (C)	57.67	1	55.51	1	56.59	1
GW322 (C)	43.38	6	30.79	7	37.09	6
HI1636 (I)	45.79	5	41.11	4	43.45	5
Mean	47.20		41.89		44.55	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.36	1.48	3.70		
Genotypes (B)	**	1.34	3.25	7.38		
B within A	**	1.90	4.59			
A within B		1.79	4.34			

<b>Earhead/sq.m.</b>						
HI1650	510	2	298	7	404	6
MACS6768	422	5	390	5	406	5
MP3535	517	1	427	3	472	2
GW513 (I)	473	4	413	4	443	4
HI1544 (C)	412	6	538	1	475	1
GW322 (C)	488	3	455	2	472	2
HI1636 (I)	375	7	310	6	343	7
Mean	457		405		431	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	7.65	31.37	8.14		
Genotypes (B)	**	7.41	17.93	4.22		
B within A	**	10.48	25.36			
A within B		12.36	29.90			
<b>Grains /earhead</b>						
HI1650	22.12	6	28.98	3	25.55	4
MACS6768	25.31	3	30.50	2	27.91	2
MP3535	14.95	7	23.39	7	19.17	7
GW513 (I)	22.28	5	23.88	6	23.08	6
HI1544 (C)	39.36	1	31.44	1	35.40	1
GW322 (C)	29.39	2	25.46	5	27.43	3
HI1636 (I)	23.40	4	26.64	4	25.02	5
Mean	25.26		27.18		26.22	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.58	2.36	10.07		
Genotypes (B)	**	1.29	3.13	12.09		
B within A	**	1.83	4.43			
A within B		1.79	4.33			
<b>1000 grain wt, g</b>						
HI1650	46.40	3	43.53	3	44.97	3
MACS6768	44.00	4	38.84	4	41.42	4
MP3535	40.38	5	34.59	5	37.49	5
GW513 (I)	51.08	2	49.41	2	50.24	2
HI1544 (C)	35.74	6	32.97	6	34.36	6
GW322 (C)	30.43	7	26.87	7	28.65	7
HI1636 (I)	52.30	1	50.18	1	51.24	1
Mean	42.90		39.48		41.19	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.78	3.21	8.71		
Genotypes (B)	**	1.52	3.67	9.02		
B within A	N.S.	2.15	5.19			
A within B		2.14	5.17			
Date of Sowing:		12.11.2021		04.12.2021		
Date of Harvesting:		21.03.2022		31.03.2022		

**Table 4.2.7. Central Zone IR-TS-DOS-TAD Udaipur 2021-22**

Genotypes	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
HI1650	55.89	1	52.20	1	54.05	1
MACS6768	55.49	2	50.06	3	52.78	3
MP3535	48.67	6	43.67	5	46.17	6
GW513 (I)	52.36	5	47.56	4	49.96	4
HI1544 (C)	53.67	4	43.04	6	48.35	5
GW322 (C)	54.94	3	50.93	2	52.94	2
HI1636 (I)	45.14	7	37.33	7	41.23	7
Mean	52.31		46.40		49.35	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.23	0.94	2.12		
Genotypes (B)	**	2.02	4.89	10.04		
B within A	N.S.	2.86	6.92			
A within B		2.66	6.43			
<b>Earhead/sq.m.</b>						
HI1650	342	6	322	6	332	6
MACS6768	387	2	363	2	375	2
MP3535	415	1	395	1	405	1
GW513 (I)	347	5	332	4	339	5
HI1544 (C)	353	4	327	5	340	4
GW322 (C)	362	3	353	3	358	3
HI1636 (I)	307	7	293	7	300	7
Mean	359		341		350	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	5.52	22.64	7.23		
Genotypes (B)	**	8.10	19.60	5.67		
B within A	N.S.	11.45	27.72			
A within B		11.96	28.93			
<b>Grains /earhead</b>						
HI1650	34.00	2	35.65	1	34.83	1
MACS6768	30.15	6	31.06	4	30.60	5
MP3535	25.56	7	27.81	6	26.69	7
GW513 (I)	33.00	5	33.48	2	33.24	2
HI1544 (C)	33.09	4	30.89	5	31.99	4
GW322 (C)	33.20	3	32.46	3	32.83	3
HI1636 (I)	34.69	1	26.50	7	30.60	6
Mean	31.96		31.12		31.54	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.61	2.52	8.93		
Genotypes (B)	*	1.43	3.45	11.08		
B within A	N.S.	2.02	4.88			
A within B		1.97	4.76			

1000 grain wt, g						
HI1650	48.39	1	45.87	2	47.13	1
MACS6768	47.76	2	44.65	3	46.20	2
MP3535	45.78	6	39.95	7	42.87	7
GW513 (I)	45.98	4	43.17	5	44.58	5
HI1544 (C)	45.94	5	42.71	6	44.32	6
GW322 (C)	45.99	3	44.27	4	45.13	4
HI1636 (I)	42.48	7	48.04	1	45.26	3
Mean	46.05		44.10		45.07	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.28	1.16	2.87		
Genotypes (B)	N.S.	0.96	2.31	5.19		
B within A	*	1.35	3.27			
A within B		1.28	3.10			
Date of Sowing:		16.11.2021		06.12.2021		
Date of Harvesting:		26.03.2022		01.04.2022		

Table 4.2.8. Central Zone						
IR-TS-DOS-TAD					Vijapur	2021-22
Genotypes	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
HI1650	46.83	6	43.92	3	45.38	6
MACS6768	53.71	2	46.92	1	50.31	1
MP3535	44.00	7	38.13	7	41.06	7
GW513 (I)	54.54	1	43.42	4	48.98	3
HI1544 (C)	52.13	4	46.50	2	49.31	2
GW322 (C)	51.21	5	43.33	5	47.27	4
HI1636 (I)	52.50	3	41.54	6	47.02	5
Mean	50.70		43.39		47.05	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.88	3.62	8.59		
Genotypes (B)	**	1.19	2.89	6.22		
B within A	N.S.	1.69	4.09			
A within B		1.80	4.35			
Earhead/sq.m.						
HI1650	345	7	419	3	382	5
MACS6768	358	5	371	6	365	6
MP3535	499	1	416	4	457	1
GW513 (I)	384	3	338	7	361	7
HI1544 (C)	380	4	410	5	395	4
GW322 (C)	421	2	467	1	444	2
HI1636 (I)	354	6	446	2	400	3
Mean	391		410		401	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	8.17	33.52	9.35		
Genotypes (B)	**	16.90	40.89	10.33		
B within A	*	23.90	57.83			
A within B		23.59	57.08			

<b>Grains /earhead</b>						
HI1650	22.13	6	25.20	4	23.67	5
MACS6768	25.96	1	30.11	1	28.03	1
MP3535	15.53	7	22.50	6	19.02	7
GW513 (I)	23.41	4	27.17	2	25.29	2
HI1544 (C)	24.12	2	25.69	3	24.91	3
GW322 (C)	23.11	5	24.46	5	23.78	4
HI1636 (I)	23.64	3	19.43	7	21.53	6
Mean	22.56		24.94		23.75	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.86	3.54	16.67		
Genotypes (B)	**	1.16	2.80	11.94		
B within A	N.S.	1.64	3.96			
A within B		1.74	4.22			
<b>1000 grain wt, g</b>						
HI1650	61.40	2	42.33	4	51.87	3
MACS6768	58.29	4	42.07	5	50.18	5
MP3535	56.89	6	40.83	6	48.86	6
GW513 (I)	61.19	3	47.52	2	54.36	2
HI1544 (C)	56.97	5	45.11	3	51.04	4
GW322 (C)	52.75	7	39.06	7	45.90	7
HI1636 (I)	63.05	1	47.91	1	55.48	1
Mean	58.65		43.55		51.10	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.08	0.33	0.73		
Genotypes (B)	**	0.83	2.01	3.99		
B within A	N.S.	1.18	2.85			
A within B		1.09	2.64			
Date of Sowing:		13.11.2021		04.12.2021		
Date of Harvesting:		03.03.2022		22.03.2022		