

Table 4.1 Central Zone		IR-TS-DOS-TAD		Centrewise		Yield, q/ha		2022-23
Sowing Time	Genotype	Gwalior	Indore	Jungagadh	Powarkheda	Udaipur	Vijapur	Zonal Mean
Timely	MACS 6768 (I) (C)	60.99	53.67	58.33	50.47	59.93	52.17	55.93
	HI 1650 (I) (C)	45.83	52.23	60.60	53.41	55.00	52.96	53.34
	GW 547	43.45	50.27	56.99	42.95	56.68	55.00	50.89
	NWS 2194	42.50	45.57	55.18	44.48	51.98	45.54	47.54
	GW 513 (C)	44.87	47.50	60.88	43.54	47.13	48.71	48.77
	HI 1636 (C)	48.97	50.13	55.39	43.38	48.73	48.08	49.11
	GW 322 (C)	43.26	51.13	63.52	42.61	62.88	46.88	51.71
	Mean	47.13	50.07	58.70	45.83	54.62	49.90	51.04
Late	MACS 6768 (I) (C)	42.03	47.67	61.03	45.63	50.48	50.58	49.57
	HI 1650 (I) (C)	22.87	50.47	53.78	43.59	39.88	42.58	42.19
	GW 547	30.32	45.97	52.16	39.32	41.70	43.29	42.13
	NWS 2194	29.36	43.33	62.50	42.18	37.47	41.50	42.72
	GW 513 (C)	32.10	50.70	54.53	42.39	35.37	50.25	44.22
	HI 1636 (C)	34.12	43.50	50.13	39.06	39.13	39.71	40.94
	GW 322 (C)	21.03	50.27	47.99	40.38	49.25	33.75	40.45
	Mean	30.26	47.41	54.59	41.79	41.90	43.10	43.18
Mean	MACS 6768 (I) (C)	51.51	50.67	60.81	48.05	55.21	51.38	52.94
	HI 1650 (I) (C)	34.35	51.35	55.38	48.50	47.44	47.77	47.47
	GW 547	36.89	48.12	53.67	41.14	49.19	49.15	46.36
	NWS 2194	35.93	44.45	61.69	43.33	44.73	43.52	45.61
	GW 513 (C)	38.49	49.10	54.96	42.96	41.25	49.48	46.04
	HI 1636 (C)	41.55	46.82	56.82	41.22	43.93	43.90	45.71
	GW 322 (C)	32.15	50.70	45.43	41.50	56.07	40.31	44.36
	Mean	38.69	48.74	55.54	43.81	48.26	46.50	46.92
CD (0.05)	Sowing (A)	3.55	1.65	4.92	1.12	5.38	8.64	0.80
	Genotype(B)	2.12	2.27	3.15	2.55	4.27	3.75	0.94
	B within A	3.00	3.22	4.45	3.61	6.04	5.31	1.32
	A within B	3.48	3.13	5.04	3.40	6.43	7.08	1.44
Date of Sowing	Timely	12.11.2022	16.11.2022	15.11.2022	18.11.2022	12.11.2022	14.11.2022	
	Late	03.12.2022	7.12.2022	5.12.2022	09.12.2022	3.12.2022	4.12.2022	
Date of Harvesting	Timely	6.4.2023	20.3.2023	6.3.2023	06.04.2023	25.3.2023	4.3.2023	
	Late	9.4.2023	29.3.2023	21.3.2023	14.04.2023	1.4.2023	24.3.2023	

Table 4.2. Central Zone		IR-TS-DOS-TAD		Pooled	2022-23	
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
MACS 6768 (I) (C)	55.93	1	46.54	1	51.23	1
HI 1650 (I) (C)	53.34	2	43.40	3	48.37	2
GW 547	50.89	4	42.39	4	46.64	4
NWS 2194	47.54	7	41.00	6	44.27	7
GW 513 (C)	48.77	6	45.55	2	47.16	3
HI 1636 (C)	49.11	5	41.68	5	45.40	6
GW 322 (C)	51.71	3	40.80	7	46.26	5
Mean	51.04		43.05		47.05	
	Sowing Time (A)	Genotype (B)		B within A		A within B
CD (0.05)	1.14	1.33		1.88		NS
Earhead/sq.m.						
MACS 6768 (I) (C)	387	2	343	4	365	2
HI 1650 (I) (C)	367	3	347	3	357	4
GW 547	387	1	360	1	374	1
NWS 2194	345	6	332	5	339	6
GW 513 (C)	360	5	332	6	346	5
HI 1636 (C)	335	7	319	7	327	7
GW 322 (C)	366	4	352	2	359	3
Mean	364		341		352	
	Sowing Time (A)	Genotype (B)		B within A		A within B
CD (0.05)	5.22	9.04		12.78		NS
Grains /earhead						
MACS 6768 (I) (C)	32.66	3	32.73	1	32.69	2
HI 1650 (I) (C)	31.96	4	31.53	5	31.75	4
GW 547	30.40	5	29.95	6	30.18	5
NWS 2194	32.77	2	32.36	3	32.56	3
GW 513 (C)	28.47	7	31.86	4	30.16	6
HI 1636 (C)	29.45	6	28.58	7	29.02	7
GW 322 (C)	35.62	1	32.72	2	34.17	1
Mean	31.62		31.39		31.50	
	Sowing Time (A)	Genotype (B)		B within A		A within B
CD (0.05)	NS	1.29		1.83		NS
1000 Grains Weight, g						
MACS 6768 (I) (C)	45.33	4	42.46	3	43.90	3
HI 1650 (I) (C)	46.81	3	40.81	4	43.81	4
GW 547	44.57	5	40.18	5	42.37	5
NWS 2194	42.87	6	38.90	6	40.88	6
GW 513 (C)	49.25	2	43.80	2	46.53	2
HI 1636 (C)	51.43	1	46.74	1	49.08	1
GW 322 (C)	40.94	7	36.30	7	38.62	7
Mean	45.89		41.31		43.60	
	Sowing Time (A)	Genotype (B)		B within A		A within B
CD (0.05)	0.27	0.79		1.12		NS

Centres: Gwalior, Indore, Junagadh, Powarkheda, Udaipur, Vijapur

Table 4.2.1. Central Zone		IR-TS-DOS-TAD		Bilaspur		2022-23	
Genotype	Sowing Time				Mean	Rk	
	Timely	Rk	Late	Rk			
Yield, q/ha							
MACS 6768 (I) (C)	37.96	7	29.53	7	33.75	7	
HI 1650 (I) (C)	39.95	5	31.14	5	35.55	5	
GW 547	41.66	3	31.54	4	36.60	4	
NWS 2194	43.65	2	35.54	2	39.60	2	
GW 513 (C)	45.11	1	38.27	1	41.69	1	
HI 1636 (C)	41.39	4	32.31	3	36.85	3	
GW 322 (C)	38.84	6	30.14	6	34.49	6	
Mean	41.23		32.64		36.93		
	F. Test	SEm	CD (0.05)	CV (%)			
Date of sowing (A)	**	0.22	0.91	2.76			
Genotype (B)	**	0.67	1.61	4.77			
B within A	N.S.	0.94	2.28				
A within B		0.90	2.17				
Earhead /sq.m.							
MACS 6768 (I) (C)	322	7	267	7	294	7	
HI 1650 (I) (C)	341	5	281	6	311	5	
GW 547	359	3	291	4	325	4	
NWS 2194	366	2	319	2	342	2	
GW 513 (C)	367	1	322	1	345	1	
HI 1636 (C)	357	4	301	3	329	3	
GW 322 (C)	328	6	282	5	305	6	
Mean	348		295		322		
	F. Test	S.E.m	C.D.	C.V.(%)			
Date of sowing (A)	**	1.03	4.21	1.46			
Genotype (B)	**	1.72	4.17	1.31			
B within A	**	2.44	5.89				
A within B		2.48	6.00				
Grains /earhead							
MACS 6768 (I) (C)	29.34	1	27.96	1	28.65	1	
HI 1650 (I) (C)	27.89	3	27.74	2	27.81	2	
GW 547	26.74	5	25.67	7	26.20	6	
NWS 2194	26.30	7	26.11	5	26.20	7	
GW 513 (C)	26.94	4	27.47	3	27.21	4	
HI 1636 (C)	26.65	6	26.03	6	26.34	5	
GW 322 (C)	28.97	2	26.65	4	27.81	3	
Mean	27.54		26.80		27.17		
	F. Test	SEm	CD (0.05)	CV (%)			
Date of sowing (A)	N.S.	0.16	0.65	2.69			
Genotype (B)	N.S.	0.70	1.69	6.31			
B within A	N.S.	0.99	2.40				
A within B		0.93	2.25				
1000 grain wt, g							
MACS 6768 (I) (C)	40.24	7	39.71	7	39.98	7	
HI 1650 (I) (C)	42.15	5	40.00	6	41.08	5	
GW 547	43.35	4	42.22	3	42.78	3	
NWS 2194	45.41	2	42.73	2	44.07	2	
GW 513 (C)	45.64	1	43.32	1	44.48	1	
HI 1636 (C)	43.55	3	41.34	4	42.44	4	
GW 322 (C)	40.97	6	40.14	5	40.56	6	
Mean	43.04		41.35		42.20		
	F. Test	SEm	CD (0.05)	CV (%)			
Date of sowing (A)	*	0.13	0.55	1.46			
Genotype (B)	**	0.53	1.28	3.08			
B within A	N.S.	0.75	1.82				
A within B		0.71	1.71				
Date of Sowing:		12.11.2022		03.12.2022			
Date of Harvesting:		07.04.2023		19.04.2023			

Table 4.2.2. Central Zone		IR-TS-DOS-TAD			Gwalior	2022-23
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
MACS 6768 (I) (C)	60.99	1	42.03	1	51.51	1
HI 1650 (I) (C)	45.83	3	22.87	6	34.35	6
GW 547	43.45	5	30.32	4	36.89	4
NWS 2194	42.50	7	29.36	5	35.93	5
GW 513 (C)	44.87	4	32.10	3	38.49	3
HI 1636 (C)	48.97	2	34.12	2	41.55	2
GW 322 (C)	43.26	6	21.03	7	32.15	7
Mean	47.13		30.26		38.69	
F. Test SEm CD (0.05) CV (%)						
Date of sowing (A)	**	0.87	3.55	10.26		
Genotype (B)	**	0.88	2.12	5.55		
B within A	**	1.24	3.00			
A within B		1.44	3.48			
Earhead/sq.m.						
MACS 6768 (I) (C)	455	1	375	6	415	4
HI 1650 (I) (C)	365	6	389	5	377	6
GW 547	432	2	402	3	417	3
NWS 2194	400	5	400	4	400	5
GW 513 (C)	431	3	411	2	421	2
HI 1636 (C)	351	7	365	7	358	7
GW 322 (C)	427	4	436	1	432	1
Mean	409		397		403	
F. Test SEm CD (0.05) CV (%)						
Date of sowing (A)	N.S.	3.83	15.70	4.36		
Genotype (B)	**	7.82	18.92	4.75		
B within A	**	11.06	26.75			
A within B		10.93	26.44			
Grains /earhead						
MACS 6768 (I) (C)	32.14	1	33.22	1	32.68	1
HI 1650 (I) (C)	31.76	3	20.44	7	26.10	5
GW 547	25.58	7	22.31	5	23.94	7
NWS 2194	30.66	5	23.36	4	27.01	4
GW 513 (C)	31.96	2	25.22	2	28.59	2
HI 1636 (C)	30.32	6	24.74	3	27.53	3
GW 322 (C)	31.12	4	20.95	6	26.04	6
Mean	30.51		24.32		27.41	
F. Test SEm CD (0.05) CV (%)						
Date of sowing (A)	*	0.97	3.97	16.16		
Genotype (B)	**	0.96	2.31	8.54		
B within A	**	1.35	3.27			
A within B		1.58	3.83			
1000 grain wt, g						
MACS 6768 (I) (C)	41.73	2	34.03	2	37.88	2
HI 1650 (I) (C)	39.51	3	28.74	6	34.13	4
GW 547	39.47	4	33.78	3	36.63	3
NWS 2194	34.70	5	31.53	4	33.11	5
GW 513 (C)	32.56	7	30.97	5	31.76	6
HI 1636 (C)	46.15	1	37.87	1	42.01	1
GW 322 (C)	32.69	6	23.22	7	27.96	7
Mean	38.11		31.45		34.78	
F. Test SEm CD (0.05) CV (%)						
Date of sowing (A)	**	0.17	0.70	2.24		
Genotype (B)	**	0.31	0.75	2.17		
B within A	**	0.44	1.06			
A within B		0.44	1.06			
Date of Sowing:		12.11.2022		03.12.2022		
Date of Harvesting:		6.4.2023		9.4.2023		

Table 4.2.3. Central Zone		IR-TS-DOS-TAD			Indore	2022-23
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
	Yield, q/ha					
MACS 6768 (I) (C)	53.67	1	47.67	4	50.67	3
HI 1650 (I) (C)	52.23	2	50.47	2	51.35	1
GW 547	50.27	4	45.97	5	48.12	5
NWS 2194	45.57	7	43.33	7	44.45	7
GW 513 (C)	47.50	6	50.70	1	49.10	4
HI 1636 (C)	50.13	5	43.50	6	46.82	6
GW 322 (C)	51.13	3	50.27	3	50.70	2
Mean	50.07		47.41		48.74	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.40	1.65	3.77		
Genotype (B)	**	0.94	2.27	4.72		
B within A	*	1.33	3.22			
A within B		1.29	3.13			
	Earhead/sq.m.					
MACS 6768 (I) (C)	324	3	283	5	304	3
HI 1650 (I) (C)	332	2	289	2	310	2
GW 547	315	4	285	3	300	4
NWS 2194	273	7	275	6	274	7
GW 513 (C)	275	6	284	4	279	5
HI 1636 (C)	280	5	274	7	277	6
GW 322 (C)	333	1	296	1	314	1
Mean	304		284		294	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	4	15	6		
Genotype (B)	**	6	15	5		
B within A	*	9	22			
A within B		9	22			
	Grains /earhead					
MACS 6768 (I) (C)	38.50	3	38.87	4	38.68	3
HI 1650 (I) (C)	35.37	6	41.57	2	38.47	4
GW 547	37.23	4	38.70	5	37.97	5
NWS 2194	40.00	2	41.07	3	40.53	2
GW 513 (C)	35.20	7	38.60	6	36.90	6
HI 1636 (C)	35.80	5	31.47	7	33.63	7
GW 322 (C)	41.23	1	44.63	1	42.93	1
Mean	37.62		39.27		38.45	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.56	2.29	6.65		
Genotype (B)	**	1.23	2.98	7.84		
B within A	N.S.	1.74	4.21			
A within B		1.70	4.12			
	1000 grain wt, g					
MACS 6768 (I) (C)	43.37	4	42.33	3	42.85	4
HI 1650 (I) (C)	44.67	3	42.23	4	43.45	3
GW 547	42.90	5	41.70	5	42.30	5
NWS 2194	41.60	6	38.37	6	39.98	6
GW 513 (C)	49.33	2	46.87	2	48.10	2
HI 1636 (C)	50.13	1	50.57	1	50.35	1
GW 322 (C)	37.37	7	38.07	7	37.72	7
Mean	44.20		42.88		43.54	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.07	0.29	0.75		
Genotypes (B)	**	0.43	1.04	2.41		
B within A	*	0.61	1.47			
A within B		0.57	1.37			
Date of Sowing:		16.11.2022		7.12.2022		
Date of Harvesting:		20.3.2023		29.3.2023		

Table 4.2.4. Central Zone		IR-TS-DOS-TAD			Junagadh	2022-23
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
MACS 6768 (I) (C)	58.33	4	42.86	7	50.60	7
HI 1650 (I) (C)	60.60	3	61.03	2	60.81	2
GW 547	56.99	5	53.78	4	55.38	4
NWS 2194	55.18	7	52.16	5	53.67	6
GW 513 (C)	60.88	2	62.50	1	61.69	1
HI 1636 (C)	55.39	6	54.53	3	54.96	5
GW 322 (C)	63.52	1	50.13	6	56.82	3
Mean	58.70		53.86		56.28	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	1.20	4.92	9.77		
Genotype (B)	**	1.30	3.15	5.66		
B within A	**	1.84	4.45			
A within B		2.08	5.04			
Earhead/sq.m.						
MACS 6768 (I) (C)	388	4	338	4	363	4
HI 1650 (I) (C)	388	5	332	6	360	6
GW 547	403	2	383	1	393	1
NWS 2194	375	6	352	2	363	3
GW 513 (C)	418	1	343	3	381	2
HI 1636 (C)	390	3	333	5	362	5
GW 322 (C)	328	7	332	6	330	7
Mean	384		345		365	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	9.04	37.06	11.36		
Genotype (B)	**	7.83	18.94	5.26		
B within A	*	11.07	26.78			
A within B		13.66	33.06			
Grains /earhead						
MACS 6768 (I) (C)	32.97	3	28.16	7	30.56	5
HI 1650 (I) (C)	31.59	4	40.20	2	35.89	2
GW 547	31.21	5	33.36	4	32.29	4
NWS 2194	33.84	2	36.73	3	35.28	3
GW 513 (C)	24.87	7	32.58	5	28.73	7
HI 1636 (C)	26.50	6	31.68	6	29.09	6
GW 322 (C)	50.82	1	42.14	1	46.48	1
Mean	33.12		34.98		34.05	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	1.37	5.61	18.43		
Genotype (B)	**	1.15	2.79	8.29		
B within A	**	1.63	3.94			
A within B		2.04	4.93			
1000 grain wt, g						
MACS 6768 (I) (C)	46.11	4	45.00	4	45.56	4
HI 1650 (I) (C)	49.71	3	45.74	3	47.72	3
GW 547	45.42	5	42.15	5	43.79	5
NWS 2194	43.55	6	40.58	6	42.07	6
GW 513 (C)	58.53	1	56.01	1	57.27	1
HI 1636 (C)	53.67	2	51.88	2	52.78	2
GW 322 (C)	38.28	7	35.86	7	37.07	7
Mean	47.90		45.32		46.61	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.39	1.60	3.83		
Genotype (B)	**	0.78	1.88	4.09		
B within A	N.S.	1.10	2.66			
A within B		1.09	2.64			
Date of Sowing:		15.11.2022		5.12.2022		
Date of Harvesting:		6.3.2023		21.3.2023		

Table 4.2.5. Central Zone		IR-TS-DOS-TAD			Powarkheda	2022-23
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
MACS 6768 (I) (C)	50.47	2	45.63	1	48.05	2
HI 1650 (I) (C)	53.41	1	43.59	2	48.50	1
GW 547	42.95	6	39.32	6	41.14	7
NWS 2194	44.48	3	42.18	4	43.33	3
GW 513 (C)	43.54	4	42.39	3	42.96	4
HI 1636 (C)	43.38	5	39.06	7	41.22	6
GW 322 (C)	42.61	7	40.38	5	41.50	5
Mean	45.83		41.79		43.81	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.27	1.12	2.86		
Genotype (B)	**	1.05	2.55	5.89		
B within A	N.S.	1.49	3.61			
A within B		1.41	3.40			
Earhead/sq.m.						
MACS 6768 (I) (C)	438	3	405	3	422	3
HI 1650 (I) (C)	484	1	448	1	466	1
GW 547	458	2	414	2	436	2
NWS 2194	385	6	356	6	371	6
GW 513 (C)	373	7	339	7	356	7
HI 1636 (C)	396	5	365	5	381	5
GW 322 (C)	399	4	378	4	389	4
Mean	419		387		403	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	1.68	6.90	1.91		
Genotype (B)	**	7.65	18.51	4.65		
B within A	N.S.	10.82	26.18			
A within B		10.16	24.58			
Grains /earhead						
MACS 6768 (I) (C)	23.55	3	25.20	4	24.37	4
HI 1650 (I) (C)	21.47	5	20.60	7	21.04	6
GW 547	20.37	6	22.59	5	21.48	5
NWS 2194	26.04	1	29.27	1	27.66	1
GW 513 (C)	22.57	4	26.43	3	24.50	3
HI 1636 (C)	19.95	7	20.88	6	20.42	7
GW 322 (C)	25.26	2	28.04	2	26.65	2
Mean	22.74		24.72		23.73	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.27	1.11	5.22		
Genotype (B)	**	0.79	1.91	8.13		
B within A	N.S.	1.11	2.70			
A within B		1.07	2.58			
1000 grain wt, g						
MACS 6768 (I) (C)	49.00	4	44.80	4	46.90	4
HI 1650 (I) (C)	51.50	3	47.27	3	49.38	3
GW 547	46.67	5	42.50	5	44.58	5
NWS 2194	44.45	6	40.57	6	42.51	6
GW 513 (C)	51.77	2	47.28	2	49.53	2
HI 1636 (C)	54.97	1	51.45	1	53.21	1
GW 322 (C)	42.50	7	38.43	7	40.47	7
Mean	48.69		44.61		46.65	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.14	0.59	1.41		
Genotype (B)	**	0.89	2.15	4.67		
B within A	N.S.	1.26	3.04			
A within B		1.17	2.84			
Date of Sowing:		18.11.2022		09.12.2022		
Date of Harvesting:		06.04.2023		14.04.2023		

Table 4.2.6. Central Zone		IR-TS-DOS-TAD			Udaipur	2022-23
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
MACS 6768 (I) (C)	59.93	2	50.48	1	55.21	2
HI 1650 (I) (C)	55.00	4	39.88	4	47.44	4
GW 547	56.68	3	41.70	3	49.19	3
NWS 2194	51.98	5	37.47	6	44.73	5
GW 513 (C)	47.13	7	35.37	7	41.25	7
HI 1636 (C)	48.73	6	39.13	5	43.93	6
GW 322 (C)	62.88	1	49.25	2	56.07	1
Mean	54.62		41.90		48.26	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	1.31	5.38	12.45		
Genotype (B)	**	1.77	4.27	8.96		
B within A	N.S.	2.50	6.04			
A within B		2.66	6.43			
Earhead/sq.m.						
MACS 6768 (I) (C)	371	2	283	4	327	3
HI 1650 (I) (C)	313	5	283	4	298	5
GW 547	364	3	299	2	332	2
NWS 2194	312	6	271	7	292	6
GW 513 (C)	339	4	285	3	312	4
HI 1636 (C)	279	7	276	6	277	7
GW 322 (C)	376	1	325	1	350	1
Mean	336		289		313	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	6.72	27.54	9.84		
Genotype (B)	**	11.27	27.28	8.83		
B within A	N.S.	15.94	38.58			
A within B		16.22	39.24			
Grains /earhead						
MACS 6768 (I) (C)	33.76	5	38.53	1	36.15	1
HI 1650 (I) (C)	36.68	1	35.18	2	35.93	2
GW 547	36.17	3	33.17	3	34.67	3
NWS 2194	36.17	4	31.94	6	34.05	5
GW 513 (C)	28.71	7	29.19	7	28.95	7
HI 1636 (C)	36.64	2	32.20	5	34.42	4
GW 322 (C)	31.63	6	32.26	4	31.95	6
Mean	34.25		33.21		33.73	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.86	3.51	11.63		
Genotype (B)	N.S.	1.76	4.26	12.78		
B within A	N.S.	2.49	6.02			
A within B		2.46	5.95			
1000 grain wt, g						
MACS 6768 (I) (C)	48.58	2	46.42	2	47.50	2
HI 1650 (I) (C)	48.08	4	40.07	7	44.08	6
GW 547	43.13	7	42.20	6	42.67	7
NWS 2194	46.08	6	43.70	4	44.89	5
GW 513 (C)	48.55	3	42.55	5	45.55	4
HI 1636 (C)	47.95	5	45.28	3	46.62	3
GW 322 (C)	52.97	1	47.07	1	50.02	1
Mean	47.91		43.90		45.90	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	*	0.47	1.93	4.71		
Genotype (B)	**	0.77	1.85	4.09		
B within A	*	1.08	2.62			
A within B		1.11	2.68			
Date of Sowing:		12.11.2022		3.12.2022		
Date of Harvesting:		25.3.2023		1.4.2023		

Table 4.2.7. Central Zone		IR-TS-DOS-TAD			Vijapur	2022-23
Genotype	Sowing Time				Mean	Rk
	Timely	Rk	Late	Rk		
Yield, q/ha						
MACS 6768 (I) (C)	52.17	3	50.58	1	51.38	1
HI 1650 (I) (C)	52.96	2	42.58	4	47.77	4
GW 547	55.00	1	43.29	3	49.15	3
NWS 2194	45.54	7	41.50	5	43.52	6
GW 513 (C)	48.71	4	50.25	2	49.48	2
HI 1636 (C)	48.08	5	39.71	6	43.90	5
GW 322 (C)	46.88	6	33.75	7	40.31	7
Mean	49.90		43.10		46.50	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	2.11	8.64	20.76		
Genotype (B)	**	1.55	3.75	8.17		
B within A	*	2.19	5.31			
A within B		2.93	7.08			
Earhead/sq.m.						
MACS 6768 (I) (C)	344	2	372	2	358	2
HI 1650 (I) (C)	321	6	339	4	330	5
GW 547	353	1	377	1	365	1
NWS 2194	325	4	339	5	332	4
GW 513 (C)	324	5	329	6	327	6
HI 1636 (C)	315	7	301	7	308	7
GW 322 (C)	333	3	343	3	338	3
Mean	331		343		337	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	4.63	18.99	6.30		
Genotype (B)	*	10.74	25.99	7.81		
B within A	N.S.	15.19	36.76			
A within B		14.81	35.83			
Grains /earhead						
MACS 6768 (I) (C)	35.03	1	32.42	2	33.73	1
HI 1650 (I) (C)	34.92	2	31.18	4	33.05	3
GW 547	31.85	4	29.55	6	30.70	6
NWS 2194	29.91	5	31.77	3	30.84	5
GW 513 (C)	27.48	7	39.12	1	33.30	2
HI 1636 (C)	27.51	6	30.55	5	29.03	7
GW 322 (C)	33.62	3	28.30	7	30.96	4
Mean	31.47		31.84		31.66	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	N.S.	0.98	4.03	14.24		
Genotype (B)	N.S.	1.42	3.44	10.99		
B within A	**	2.01	4.86			
A within B		2.10	5.09			
1000 grain wt, g						
MACS 6768 (I) (C)	43.22	6	42.17	2	42.69	6
HI 1650 (I) (C)	47.38	4	40.84	3	44.11	4
GW 547	49.84	3	38.72	5	44.28	3
NWS 2194	46.82	5	38.64	6	42.73	5
GW 513 (C)	54.77	2	39.11	4	46.94	2
HI 1636 (C)	55.70	1	43.40	1	49.55	1
GW 322 (C)	41.84	7	35.14	7	38.49	7
Mean	48.51		39.72		44.11	
	F. Test	SEm	CD (0.05)	CV (%)		
Date of sowing (A)	**	0.21	0.86	2.17		
Genotypes (B)	**	1.15	2.77	6.37		
B within A	**	1.62	3.92			
A within B		1.52	3.67			
Date of Sowing:		14.11.2022		4.12.2022		
Date of Harvesting:		4.3.2023		24.3.2023		