

<b>Table 5.3. Peninsular Zone</b>		<b>IR-LS-DOS-TAS Centrewise</b>		<b>Yield, q/ha</b>	<b>2021-22</b>
<b>Sowing time</b>	<b>Genotype</b>	<b>Akola</b>	<b>Niphad</b>	<b>Pune</b>	<b>Zonal mean</b>
Late	HD3090 (c)	58.52	52.13	48.41	53.02
	DBW320	60.25	54.47	53.30	56.01
	HI1633 (c)	53.85	63.46	49.39	55.57
	HD2932 (c)	60.56	65.71	57.16	61.14
	RAJ4083 (c)	56.47	51.66	47.67	51.93
	Mean	57.93	57.49	51.19	55.53
Very Late	HD3090 (c)	32.71	44.07	33.31	36.69
	DBW320	42.22	50.25	33.32	41.93
	HI1633 (c)	45.10	51.37	34.45	43.64
	HD2932 (c)	40.83	52.10	39.58	44.17
	RAJ4083 (c)	45.48	46.37	34.06	41.97
	Mean	41.27	48.83	34.94	41.68
Mean	HD3090 (c)	45.62	48.10	40.86	44.86
	DBW320	51.24	52.36	43.31	48.97
	HI1633 (c)	49.47	57.42	41.92	49.60
	HD2932 (c)	50.69	58.90	48.37	52.66
	RAJ4083 (c)	50.97	49.01	40.86	46.95
	Mean	49.60	53.16	43.07	48.61
CD (0.05)	Sowing time (A)	3.91	3.38	8.70	1.74
	Genotype (B)	NS	4.59	3.87	2.20
	B within A	5.81	NS	NS	NS
	A within B	6.55	NS	NS	NS
Date of Sowing	Late	26.11.2021	01.12.2021	26.11.2021	
	Very Late	21.12.2021	17.12.2021	17.12.2021	
Date of Harvesting	Late	29.03.2022	25.03.2022	25.03.2022	
	Very Late	02.04.2022	08.04.2022	25.03.2022	

<b>Table 5.4. Peninsular Zone</b>		<b>IR-LS-DOS-TAS</b>		<b>Pooled</b>		<b>2021-22</b>	
Genotype	Sowing time				Mean	Rk	
	Late	Rk	Very Late	Rk			
<b>Yield, q/ha</b>							
HD3090 (c)	53.02	4	36.69	5	44.86	5	
DBW320	56.01	2	41.93	4	48.97	3	
HI1633 (c)	55.57	3	43.64	2	49.60	2	
HD2932 (c)	61.14	1	44.17	1	52.66	1	
RAJ4083 (c)	51.93	5	41.97	3	46.95	4	
Mean	55.53		41.68		48.61		
	Sowing time (A)		Genotype (B)		A within B	B within A	
CD (0.05)	1.74		2.20		NS	NS	
<b>Earheads/sqm</b>							
HD3090 (c)	381	4	339	4	360	4	
DBW320	376	5	330	5	353	5	
HI1633 (c)	395	3	369	1	382	3	
HD2932 (c)	437	1	353	3	395	1	
RAJ4083 (c)	412	2	357	2	385	2	
Mean	400		350		375		
	Sowing time (A)		Genotype (B)		A within B	B within A	
CD (0.05)	15.39		23.97		NS	NS	
<b>Grains/Earhead</b>							
HD3090 (c)	32.96	2	31.94	1	32.45	1	
DBW320	31.35	3	29.18	2	30.27	3	
HI1633 (c)	33.62	1	28.69	4	31.16	2	
HD2932 (c)	30.81	4	28.81	3	29.81	4	
RAJ4083 (c)	30.07	5	28.16	5	29.11	5	
Mean	31.76		29.35		30.56		
	Sowing time (A)		Genotype (B)		A within B	B within A	
CD (0.05)	1.91		NS		NS	NS	
<b>1000 Grains Weight, g</b>							
HD3090 (c)	43.02	4	36.12	5	39.57	5	
DBW320	48.00	1	44.00	1	46.00	1	
HI1633 (c)	42.59	5	42.28	4	42.43	4	
HD2932 (c)	45.97	2	43.74	2	44.86	2	
RAJ4083 (c)	43.10	3	43.50	3	43.30	3	
Mean	44.54		41.93		43.23		
	Sowing time (A)		Genotype (B)		A within B	B within A	
CD (0.05)	0.60		0.46		0.65	0.82	
<b>Centres:</b>	Akola, Niphad, Pune						

<b>Table 5.4.1. Peninsular Zone</b>		<b>IR-LS-DOS-TAS</b>		<b>Akola</b>		<b>2021-22</b>	
Genotype	Sowing time				Mean	Rk	
	Late	Rk	Very Late	Rk			
<b>Yield, q/ha</b>							
HD3090 (c)	58.52	3	32.71	5	45.62	5	
DBW320	60.25	2	42.22	3	51.24	1	
HI1633 (c)	53.85	5	45.10	2	49.47	4	
HD2932 (c)	60.56	1	40.83	4	50.69	3	
RAJ4083 (c)	56.47	4	45.48	1	50.97	2	
Mean	57.93		41.27		49.60		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	**		0.95		3.91	7.40	
Genotype (B)	N.S.		1.74		4.57	8.57	
B within A	*		1.95		5.81	6.63	
A within B			2.20		6.55		
<b>Earheads/sqm</b>							
HD3090 (c)	452	3	427	3	439	3	
DBW320	430	5	378	5	404	5	
HI1633 (c)	435	4	438	2	437	4	
HD2932 (c)	477	2	408	4	443	2	
RAJ4083 (c)	513	1	473	1	493	1	
Mean	461		425		443		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	N.S.		14.28		58.99	12.48	
Genotype (B)	N.S.		20.25		53.27	11.19	
B within A	N.S.		28.39		85.45	10.72	
A within B			28.04		84.40		
<b>Grains/Earhead</b>							
HD3090 (c)	33.44	1	24.20	5	28.82	2	
DBW320	28.67	4	28.52	2	28.60	3	
HI1633 (c)	31.47	2	29.50	1	30.48	1	
HD2932 (c)	29.21	3	26.47	3	27.84	4	
RAJ4083 (c)	26.28	5	24.73	4	25.50	5	
Mean	29.81		26.68		28.25		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	N.S.		1.24		5.13	17.02	
Genotype (B)	N.S.		1.93		5.09	16.77	
B within A	N.S.		2.29		7.04	13.23	
A within B			2.46		7.56		
<b>1000 Grains Weight, g</b>							
HD3090 (c)	39.07	5	32.70	5	35.88	5	
DBW320	49.00	1	39.67	1	44.33	1	
HI1633 (c)	39.43	4	35.83	4	37.63	4	
HD2932 (c)	43.57	2	37.90	3	40.73	2	
RAJ4083 (c)	41.97	3	39.17	2	40.57	3	
Mean	42.61		37.05		39.83		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	**		0.01		0.04	0.09	
Genotype (B)	**		0.13		0.33	0.78	
B within A	**		0.18		0.47	0.87	
A within B			0.19		0.50		
Date of Sowing:	26.11.2021		21.12.2021				
Date of Harvesting:	29.03.2022		02.04.2022				

Table 5.4.2. Peninsular Zone		IR-LS-DOS-TAS		Dharwad		2021-22	
Genotype	Sowing time				Mean	Rk	
	Late	Rk	Very Late	Rk			
<b>Yield, q/ha</b>							
HD3090 (c)	34.97	2	25.96	3	30.47		2
DBW320	32.51	3	25.82	4	29.17		4
HI1633 (c)	37.73	1	30.47	1	34.10		1
HD2932 (c)	30.78	4	27.66	2	29.22		3
RAJ4083 (c)	29.51	5	24.66	5	27.09		5
Mean	33.10		26.91		30.01		
	F. Test		SEm		CD (0.05)		CV (%)
Sowing time (A)	*		0.84		3.48		10.88
Genotype (B)	*		0.87		2.29		7.09
B within A	N.S.		1.59		4.84		8.66
A within B			1.37		4.19		
<b>Earheads/sqm</b>							
HD3090 (c)	289	5	204	4	247		5
DBW320	295	4	199	5	247		4
HI1633 (c)	304	2	205	3	255		3
HD2932 (c)	307	1	217	2	262		2
RAJ4083 (c)	297	3	237	1	267		1
Mean	298		213		256		
	F. Test		SEm		CD (0.05)		CV (%)
Sowing time (A)	*		12.97		53.55		19.66
Genotype (B)	N.S.		7.73		20.33		7.41
B within A	N.S.		17.22		59.94		8.59
A within B			11.83		41.18		
<b>Grains/Earhead</b>							
HD3090 (c)	33.68	1	40.50	1	37.09		1
DBW320	25.73	5	35.81	4	30.77		4
HI1633 (c)	30.92	2	38.76	2	34.84		2
HD2932 (c)	26.77	4	36.48	3	31.62		3
RAJ4083 (c)	27.10	3	29.45	5	28.27		5
Mean	28.84		36.20		32.52		
	F. Test		SEm		CD (0.05)		CV (%)
Sowing time (A)	*		0.85		3.50		10.09
Genotype (B)	*		1.35		3.56		10.19
B within A	N.S.		1.92		5.60		10.23
A within B			1.92		5.61		
<b>1000 Grains Weight, g</b>							
HD3090 (c)	36.16	5	31.57	5	33.87		5
DBW320	43.33	1	36.19	2	39.76		1
HI1633 (c)	40.17	2	38.30	1	39.24		2
HD2932 (c)	38.02	3	35.03	4	36.53		4
RAJ4083 (c)	37.82	4	35.56	3	36.69		3
Mean	39.10		35.33		37.22		
	F. Test		SEm		CD (0.05)		CV (%)
Sowing time (A)	**		0.17		0.70		1.77
Genotype (B)	*		0.66		1.74		4.36
B within A	N.S.		1.14		3.03		5.85
A within B			1.11		2.95		
Date of Sowing:	02.12.2021		23.12.2021				
Date of Harvesting:	13.04.2022		26.04.2022				

<b>Table 5.4.3. Peninsular Zone</b>		<b>IR-LS-DOS-TAS</b>		<b>Niphad</b>		<b>2021-22</b>	
Genotype	Sowing time				Mean	Rk	
	Late	Rk	Very Late	Rk			
<b>Yield, q/ha</b>							
HD3090 (c)	52.13	4	44.07	5	48.10	5	
DBW320	54.47	3	50.25	3	52.36	3	
HI1633 (c)	63.46	2	51.37	2	57.42	2	
HD2932 (c)	65.71	1	52.10	1	58.90	1	
RAJ4083 (c)	51.66	5	46.37	4	49.01	4	
Mean	57.49		48.83		53.16		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	*		0.82		3.38	5.97	
Genotype (B)	*		1.74		4.59	8.04	
B within A	N.S.		2.36		6.63	8.05	
A within B			2.47		6.94		
<b>Earheads/sqm</b>							
HD3090 (c)	337	4	285	5	311	5	
DBW320	352	3	325	3	339	3	
HI1633 (c)	410	2	332	2	371	2	
HD2932 (c)	425	1	337	1	381	1	
RAJ4083 (c)	334	5	300	4	317	4	
Mean	372		316		344		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	**		2.42		9.99	2.72	
Genotype (B)	*		12.31		32.39	8.77	
B within A	N.S.		16.60		44.20	9.25	
A within B			17.90		47.64		
<b>Grains/Earhead</b>							
HD3090 (c)	32.65	2	36.94	1	34.80	2	
DBW320	31.97	3	32.26	4	32.11	3	
HI1633 (c)	31.20	4	32.95	3	32.07	4	
HD2932 (c)	29.61	5	31.91	5	30.76	5	
RAJ4083 (c)	34.36	1	35.28	2	34.82	1	
Mean	31.96		33.87		32.91		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	N.S.		1.27		5.24	14.95	
Genotype (B)	N.S.		2.18		5.72	16.19	
B within A	N.S.		3.22		9.22	17.40	
A within B			3.19		9.15		
<b>1000 Grains Weight, g</b>							
HD3090 (c)	48.00	4	42.67	5	45.33	4	
DBW320	48.67	3	48.00	2	48.33	3	
HI1633 (c)	49.67	2	47.67	3	48.67	2	
HD2932 (c)	52.67	1	48.67	1	50.67	1	
RAJ4083 (c)	45.33	5	44.33	4	44.83	5	
Mean	48.87		46.27		47.57		
	F. Test		SEm		CD (0.05)	CV (%)	
Sowing time (A)	*		0.42		1.75	3.45	
Genotype (B)	**		0.39		1.02	1.99	
B within A	N.S.		1.06		3.04	3.95	
A within B			0.86		2.47		
Date of Sowing:	01.12.2021		17.12.2021				
Date of Harvesting:	25.03.2022		08.04.2022				

<b>Table 5.4.4. Peninsular Zone</b>		<b>IR-LS-DOS-TAS</b>		<b>Pune</b>	<b>2021-22</b>	
Genotype	Sowing time				Mean	Rk
	Late	Rk	Very Late	Rk		
<b>Yield, q/ha</b>						
HD3090 (c)	48.41	4	33.31	5	40.86	5
DBW320	53.30	2	33.32	4	43.31	2
HI1633 (c)	49.39	3	34.45	2	41.92	3
HD2932 (c)	57.16	1	39.58	1	48.37	1
RAJ4083 (c)	47.67	5	34.06	3	40.86	4
Mean	51.19		34.94		43.07	
	F. Test		SEm		CD (0.05)	CV (%)
Sowing time (A)	*		1.43		8.70	12.86
Genotype (B)	**		1.29		3.87	7.34
B within A	N.S.		1.82		5.47	
A within B			2.17		6.51	
<b>Earheads/sqm</b>						
HD3090 (c)	353	3	307	3	330	4
DBW320	345	4	287	5	316	5
HI1633 (c)	338	5	337	1	338	3
HD2932 (c)	408	1	315	2	362	1
RAJ4083 (c)	388	2	298	4	343	2
Mean	367		309		338	
	F. Test		SEm		CD (0.05)	CV (%)
Sowing time (A)	*		8.52		51.87	9.78
Genotype (B)	N.S.		18.92		56.73	13.73
B within A	N.S.		26.76		80.22	
A within B			25.41		76.17	
<b>Grains/Earhead</b>						
HD3090 (c)	32.80	4	34.67	1	33.73	1
DBW320	33.41	3	26.77	3	30.09	4
HI1633 (c)	38.20	1	23.63	5	30.91	2
HD2932 (c)	33.62	2	28.04	2	30.83	3
RAJ4083 (c)	29.56	5	24.46	4	27.01	5
Mean	33.51		27.51		30.51	
	F. Test		SEm		CD (0.05)	CV (%)
Sowing time (A)	N.S.		1.09		6.66	13.88
Genotype (B)	N.S.		1.80		5.38	14.41
B within A	N.S.		2.54		7.61	
A within B			2.52		7.56	
<b>1000 Grains Weight, g</b>						
HD3090 (c)	42.00	2	33.00	5	37.50	5
DBW320	46.33	1	44.33	3	45.33	1
HI1633 (c)	38.67	5	43.33	4	41.00	4
HD2932 (c)	41.67	4	44.67	2	43.17	3
RAJ4083 (c)	42.00	2	47.00	1	44.50	2
Mean	42.13		42.47		42.30	
	F. Test		SEm		CD (0.05)	CV (%)
Sowing time (A)	N.S.		0.50		3.04	4.57
Genotype (B)	**		0.42		1.26	2.43
B within A	**		0.59		1.78	
A within B			0.73		2.18	
Date of Sowing:	26.11.2021		17.12.2021			
Date of Harvesting:	25.03.2022		25.03.2022			