

Table 5.3. Peninsular Zone IR-LS-DOS-TAS Centrewise Yield, q/ha 2023-24

Sowing time	Genotype	Akola	Dharwad	Niphad	Pune	Zonal mean
Late	HI 1674	73.27	30	38.28	48.4	47.49
	LOK 79	68.02	35.09	50.71	44.01	49.46
	HI 1633 (C)	72.06	35.48	37.94	47.73	48.3
	NIAW 4114	73.53	36.63	43.4	42.18	48.94
	RAJ 4083 (C)	70.91	31.29	38.28	41.9	45.6
	HD 3090 (C)	67.54	40.39	38.72	48.83	48.87
	HD 2932 (C)	67.87	37.77	35.64	45.55	46.71
	NIAW 4120	70.92	41.78	44.79	55.04	53.13
	Mean	70.51	36.05	40.97	46.71	48.56
Very Late	HI 1674	35.74	30.04	25.84	39.65	32.82
	LOK 79	36.54	28.59	40.52	41.28	36.73
	HI 1633 (C)	43.79	34.54	26.18	45.05	37.39
	NIAW 4114	36.28	35.72	39.3	43.54	38.71
	RAJ 4083 (C)	35.21	29.72	33.41	40.99	34.83
	HD 3090 (C)	44.1	32.32	34.74	37.82	37.25
	HD 2932 (C)	39.06	26.81	25.07	41.59	33.13
	NIAW 4120	34.15	24.92	39.36	46.33	36.19
	Mean	38.11	30.33	33.05	42.03	35.88
Mean	HI 1674	54.5	30.02	32.06	44.02	40.15
	LOK 79	52.28	31.84	45.62	42.65	43.1
	HI 1633 (C)	57.92	35.01	32.06	46.39	42.85
	NIAW 4114	54.9	36.18	41.35	42.86	43.82
	RAJ 4083 (C)	53.06	30.51	35.85	41.45	40.22
	HD 3090 (C)	55.82	36.35	36.73	43.33	43.06
	HD 2932 (C)	53.46	32.29	30.35	43.57	39.92
	NIAW 4120	52.53	33.35	42.08	50.69	44.66
	Mean	54.31	33.19	37.01	44.37	42.22
CD (0.05)	Sowing time (A)	12.2	1.07	2.98	N.S.	3.37
	Genotype (B)	N.S.	3.35	3.47	N.S.	2.15
	B within A	5.7	4.74	4.9	N.S.	N.S.
	A within B	8.89	4.48	4.91	N.S.	N.S.
Date of Sowing:	Late	07.12.2023	25.11.2023	02.12.2023	28.11.2023	
	Very Late	23.12.2023	22.12.2023	19.12.2023	17.12.2023	
Date of Harvesting:	Late	29.03.2024	23.03.2024	29.03.2024	25.03.2024	
	Very Late	05.04.2024	15.04.2024	09.04.2024	31.03.2024	

Table 5.4. Peninsular Zone IR-LS-DOS-TAS Pooled 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
HI 1674	47.49	6	32.82	8	40.15	7
LOK 79	49.46	2	36.73	4	43.10	3
HI 1633 (C)	48.30	5	37.39	2	42.85	5
NIAW 4114	48.93	3	38.71	1	43.82	2
RAJ 4083 (C)	45.60	8	34.83	6	40.22	6
HD 3090 (C)	48.87	4	37.25	3	43.06	4
HD 2932 (C)	46.71	7	33.13	7	39.92	8
NIAW 4120	53.13	1	36.19	5	44.66	1
Mean	48.56		35.88		42.22	
	Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	3.37		2.15		N.S.	N.S.
Earhead/sqm						
HI 1674	424	6	380	1	402	2
LOK 79	448	3	358	4	403	1
HI 1633 (C)	429	5	365	2	397	5
NIAW 4114	441	4	357	5	399	4
RAJ 4083 (C)	405	8	361	3	383	7
HD 3090 (C)	416	7	337	7	377	8
HD 2932 (C)	449	1	352	6	401	3
NIAW 4120	449	1	326	8	388	6
Mean	433		355		394	
	Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	14.68		N.S.		N.S.	N.S.
Grains/Earhead						
HI 1674	27.49	7.00	23.4	8.0	25.5	8
LOK 79	27.54	6.00	28.2	3.0	27.9	3
HI 1633 (C)	28.04	5.00	27.5	4.0	27.8	5
NIAW 4114	28.42	3.00	29.8	2.0	29.1	2
RAJ 4083 (C)	28.23	4.00	27.0	5.0	27.6	6
HD 3090 (C)	33.40	1.00	30.5	1.0	32.0	1
HD 2932 (C)	25.21	8.00	25.9	7.0	25.6	7
NIAW 4120	29.39	2.00	26.3	6.0	27.8	4
Mean	28.46		27.3		27.9	
	Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	0.76		2.95		N.S.	N.S.
1000 Grains Weight, g						
HI 1674	40.49	6.00	39.7	2.0	40.1	2
LOK 79	40.60	4.00	39.0	5.0	39.8	5
HI 1633 (C)	40.59	5.00	39.2	3.0	39.9	3
NIAW 4114	40.16	7.00	39.0	4.0	39.6	6
RAJ 4083 (C)	40.97	3.00	38.7	6.0	39.9	4
HD 3090 (C)	39.47	8.00	37.7	7.0	38.6	8
HD 2932 (C)	41.22	2.00	37.6	8.0	39.4	7
NIAW 4120	44.10	1.00	44.0	1.0	44.0	1
Mean	40.95		39.3		40.1	
	Sowing (A)		Genotype (B)		B within A	A within B
CD (0.05)	N.S.		1.06		N.S.	N.S.
Centres:	Akola, Dharwad, Niphad, Pune					

Table 5.4.1. Peninsular Zone IR-LS-DOS-TAS Akola 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
HI 1674	73.27	2	35.74	6	54.50	4
LOK 79	68.02	6	36.54	4	52.28	8
HI 1633 (C)	72.06	3	43.79	2	57.92	1
NIAW 4114	73.53	1	36.28	5	54.90	3
RAJ 4083 (C)	70.91	5	35.21	7	53.06	6
HD 3090 (C)	67.54	8	44.10	1	55.82	2
HD 2932 (C)	67.87	7	39.06	3	53.46	5
NIAW 4120	70.92	4	34.15	8	52.53	7
Mean	70.51		38.11		54.31	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	2.95	12.20	26.65	
Genotype (B)		N.S.	1.68	4.03	7.56	
B within A		*	2.37	5.70		
A within B			3.69	8.89		
Earhead/sqm						
HI 1674	502	4	527	1	514	2
LOK 79	508	3	463	6	486	5
HI 1633 (C)	475	6	525	2	500	3
NIAW 4114	478	5	470	5	474	6
RAJ 4083 (C)	462	8	515	3	488	4
HD 3090 (C)	517	2	412	7	464	7
HD 2932 (C)	575	1	477	4	526	1
NIAW 4120	473	7	370	8	422	8
Mean	499		470		484	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	13.40	55.34	13.56	
Genotype (B)		N.S.	35.70	85.87	18.06	
B within A		N.S.	50.48	121.44		
A within B			49.09	118.09		
Grains/Earhead						
HI 1674	32.78	4	14.3	8	23.6	7
LOK 79	31.67	5	19.0	4	25.3	5
HI 1633 (C)	34.65	2	19.8	3	27.2	2
NIAW 4114	35.63	1	17.9	6	26.8	3
RAJ 4083 (C)	33.91	3	16.8	7	25.3	4
HD 3090 (C)	31.36	6	27.1	1	29.2	1
HD 2932 (C)	25.13	8	20.1	2	22.6	8
NIAW 4120	30.80	7	18.2	5	24.5	6
Mean	31.99		19.1		25.6	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	1.05	4.32	20.05	
Genotype (B)		N.S.	2.41	5.80	23.09	
B within A		N.S.	3.41	8.20		
A within B			3.36	8.07		

1000 Grains Weight, g						
HI 1674	45.07	5	47.5	2	46.3	2
LOK 79	43.12	8	43.2	3	43.1	7
HI 1633 (C)	44.97	6	42.3	6	43.7	6
NIAW 4114	45.08	4	42.9	4	44.0	4
RAJ 4083 (C)	45.38	3	42.4	5	43.9	5
HD 3090 (C)	44.08	7	39.7	8	41.9	8
HD 2932 (C)	47.27	2	41.6	7	44.5	3
NIAW 4120	51.27	1	52.5	1	51.9	1
Mean	45.78		44.0		44.9	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		**	0.10	0.39	1.04	
Genotype (B)		**	0.25	0.60	1.35	
B within A		**	0.35	0.84		
A within B			0.34	0.82		
Date of Sowing		07.12.2023		23.12.2023		
Date of Harvesting		29.03.2024		05.04.2024		

Table 5.4.2. Peninsular Zone IR-LS-DOS-TAS Dharwad 2023-24

Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
HI 1674	30.00	8	30.04	4	30.02	8
LOK 79	35.09	6	28.59	6	31.84	6
HI 1633 (C)	35.48	5	34.54	2	35.01	3
NIAW 4114	36.63	4	35.72	1	36.18	2
RAJ 4083 (C)	31.29	7	29.72	5	30.51	7
HD 3090 (C)	40.39	2	32.32	3	36.35	1
HD 2932 (C)	37.77	3	26.81	7	32.29	5
NIAW 4120	41.78	1	24.92	8	33.35	4
Mean	36.05		30.33		33.19	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		**	0.26	1.07	3.81	
Genotype (B)		*	1.39	3.35	10.29	
B within A		**	1.97	4.74		
A within B			1.86	4.48		
Earhead/sqm						
HI 1674	434	8	326	4	380	7
LOK 79	471	6	294	6	382	6
HI 1633 (C)	484	5	356	2	420	2
NIAW 4114	485	4	364	1	425	1
RAJ 4083 (C)	441	7	309	5	375	8
HD 3090 (C)	490	2	335	3	412	4
HD 2932 (C)	488	3	293	7	391	5
NIAW 4120	578	1	253	8	416	3
Mean	484		316		400	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		**	3.13	12.91	3.83	
Genotype (B)		**	10.69	25.71	6.54	
B within A		**	15.11	36.36		
A within B			14.48	34.83		

Grains/Earhead						
HI 1674	19.15	7	25.00	8	22.07	8
LOK 79	20.88	4	27.47	3	24.18	3
HI 1633 (C)	20.20	5	26.91	5	23.55	4
NIAW 4114	22.08	2	29.24	1	25.66	2
RAJ 4083 (C)	18.72	8	25.66	6	22.19	7
HD 3090 (C)	23.52	1	28.27	2	25.89	1
HD 2932 (C)	21.19	3	25.53	7	23.36	6
NIAW 4120	19.77	6	27.24	4	23.50	5
Mean	20.69		26.91		23.80	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	0.49	2.02	10.07	
Genotype (B)		N.S.	1.06	2.55	10.93	
B within A		N.S.	1.50	3.61		
A within B			1.49	3.58		
1000 Grains Weight, g						
HI 1674	36.33	4	36.92	2	36.63	2
LOK 79	35.70	6	35.51	6	35.61	6
HI 1633 (C)	36.33	4	36.08	4	36.21	5
NIAW 4114	34.67	8	33.40	8	34.04	8
RAJ 4083 (C)	37.87	1	37.61	1	37.74	1
HD 3090 (C)	35.13	7	34.37	7	34.75	7
HD 2932 (C)	36.56	3	36.03	5	36.30	4
NIAW 4120	36.57	2	36.17	3	36.37	3
Mean	36.15		35.76		35.95	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	0.29	1.18	3.90	
Genotype (B)		**	0.38	0.91	2.57	
B within A		N.S.	0.53	1.28		
A within B			0.58	1.38		
Date of Sowing		25.11.2023		22.12.2023		
Date of Harvesting		22.03.2024		15.04.2024		

Table 5.4.3. Peninsular Zone		IR-LS-DOS-TAS		Niphad	2023-24	
Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
HI 1674	38.28	6	25.84	7	32.06	6
LOK 79	50.71	1	40.52	1	45.62	1
HI 1633 (C)	37.94	7	26.18	6	32.06	7
NIAW 4114	43.40	3	39.30	3	41.35	3
RAJ 4083 (C)	38.28	5	33.41	5	35.85	5
HD 3090 (C)	38.72	4	34.74	4	36.73	4
HD 2932 (C)	35.64	8	25.07	8	30.35	8
NIAW 4120	44.79	2	39.36	2	42.08	2
Mean	40.97		33.05		37.01	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	0.72	2.98	9.56	
Genotype (B)		**	1.44	3.47	9.54	
B within A		N.S.	2.04	4.90		
A within B			2.04	4.91		

Earhead/sqm						
HI 1674	365	7	267	7	316	7
LOK 79	431	1	318	1	375	1
HI 1633 (C)	385	6	282	6	334	6
NIAW 4114	420	2	304	2	362	2
RAJ 4083 (C)	389	5	294	5	341	5
HD 3090 (C)	399	4	299	3	349	4
HD 2932 (C)	356	8	259	8	307	8
NIAW 4120	411	3	294	4	353	3
Mean	395		290		342	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	10.38	42.85	14.86	
Genotype (B)		*	14.00	33.68	10.02	
B within A		N.S.	19.80	47.63		
A within B			21.23	51.07		
Grains/Earhead						
HI 1674	23.60	2	24.90	7.0	24.25	5
LOK 79	25.38	1	28.90	2.0	27.14	1
HI 1633 (C)	21.99	5	22.83	8.0	22.41	8
NIAW 4114	22.44	4	29.45	1.0	25.95	2
RAJ 4083 (C)	21.74	6	26.81	4.0	24.27	4
HD 3090 (C)	21.42	7	26.54	5.0	23.98	6
HD 2932 (C)	23.59	3	27.88	3.0	25.73	3
NIAW 4120	21.06	8	26.29	6.0	23.68	7
Mean	22.65		26.70		24.68	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	0.45	1.86	8.93	
Genotype (B)		N.S.	1.36	3.27	13.48	
B within A		N.S.	1.92	4.62		
A within B			1.85	4.46		
1000 Grains Weight, g						
HI 1674	44.69	7	39.82	7	42.26	7
LOK 79	46.54	2	44.54	2	45.54	2
HI 1633 (C)	44.89	6	40.65	6	42.77	6
NIAW 4114	46.24	3	44.14	3	45.19	3
RAJ 4083 (C)	45.95	4	42.37	5	44.16	5
HD 3090 (C)	45.91	5	43.91	4	44.91	4
HD 2932 (C)	42.80	8	34.90	8	38.85	8
NIAW 4120	52.23	1	51.06	1	51.64	1
Mean	46.16		42.67		44.41	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		*	0.28	1.16	3.10	
Genotype (B)		**	0.73	1.76	4.04	
B within A		N.S.	1.04	2.49		
A within B			1.01	2.43		
Date of Sowing	02.12.2023		19.12.2023			
Date of Harvesting	29.03.2024		22.04.2024			

Table 5.4.4. Peninsular Zone		IR-LS-DOS-TAS			Pune	2023-24
Genotype	Date of Sowing				Mean	Rk
	Late	Rk	Very Late	Rk		
Yield, q/ha						
HI 1674	48.40	3	39.65	7	44.02	3
LOK 79	44.01	6	41.28	5	42.65	7
HI 1633 (C)	47.73	4	45.05	2	46.39	2
NIAW 4114	42.18	7	43.54	3	42.86	6
RAJ 4083 (C)	41.90	8	40.99	6.00	41.45	8
HD 3090 (C)	48.83	2	37.82	8.00	43.33	5
HD 2932 (C)	45.55	5	41.59	4.00	43.57	4
NIAW 4120	55.04	1	46.33	1	50.69	1
Mean	46.71		42.03		44.37	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	4.87	20.12	53.81	
Genotype (B)		N.S.	1.96	4.71	10.81	
B within A		N.S.	2.77	6.66		
A within B			5.52	13.28		
Earhead/sqm						
HI 1674	393	1	402	1	398	1
LOK 79	382	2	357	4	369	3
HI 1633 (C)	373	5	297	7	335	5
NIAW 4114	382	2	288	8	335	5
RAJ 4083 (C)	327	7	325	5	326	7
HD 3090 (C)	258	8	303	6	281	8
HD 2932 (C)	378	4	380	3	379	2
NIAW 4120	335	6	388	2	362	4
Mean	354		343		348	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	18.12	74.83	25.51	
Genotype (B)		N.S.	24.04	57.82	16.92	
B within A		N.S.	33.99	81.78		
A within B			36.60	88.04		
Grains/Earhead						
HI 1674	34.43	5	29.46	8	31.94	7
LOK 79	32.22	7	37.43	5	34.83	6
HI 1633 (C)	35.33	4	40.62	2	37.97	5
NIAW 4114	33.52	6	42.67	1	38.09	4
RAJ 4083 (C)	38.55	3	38.82	4	38.68	3
HD 3090 (C)	57.30	1	40.18	3	48.74	1
HD 2932 (C)	30.93	8	30.08	7	30.50	8
NIAW 4120	45.91	2	33.41	6	39.66	2
Mean	38.52		36.58		37.55	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	0.37	1.53	4.82	
Genotype (B)		*	3.36	8.09	21.93	
B within A		N.S.	4.76	11.44		
A within B			4.46	10.74		

1000 Grains Weight, g						
HI 1674	35.87	5	34.43	5	35.15	4
LOK 79	37.03	2	32.63	7	34.83	6
HI 1633 (C)	36.17	4	37.70	2	36.93	2
NIAW 4114	34.63	7	35.57	4	35.10	5
RAJ 4083 (C)	34.67	6	32.60	8	33.63	7
HD 3090 (C)	32.77	8	32.67	6	32.72	8
HD 2932 (C)	38.23	1	37.73	1	37.98	1
NIAW 4120	36.33	3	36.10	3	36.22	3
Mean	35.71		34.93		35.32	
		F. Test	SEm	CD (0.05)	CV (%)	
Sowing (A)		N.S.	2.17	8.96	30.08	
Genotype (B)		N.S.	1.36	3.28	9.46	
B within A		N.S.	1.93	4.64		
A within B			2.82	6.79		
Date of Sowing	28.11.2023			17.12.2023		
Date of Harvesting	25.03.2024			31.03.2024		