

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

Sowing time	Genotype	IR-LS-DOS-TAS				Zonal mean
		Akola	Dharwad	Niphad	Pune	
Late	RPZ-LS-201	73.27	30	38.28	48.4	47.49
	RPZ-LS-202	68.02	35.09	50.71	44.01	49.46
	RPZ-LS-203	72.06	35.48	37.94	47.73	48.3
	RPZ-LS-204	73.53	36.63	43.4	42.18	48.94
	RPZ-LS-205	70.91	31.29	38.28	41.9	45.6
	RPZ-LS-206	67.54	40.39	38.72	48.83	48.87
	RPZ-LS-207	67.87	37.77	35.64	45.55	46.71
	RPZ-LS-208	70.92	41.78	44.79	55.04	53.13
	Mean	70.51	36.05	40.97	46.71	48.56
Very Late	RPZ-LS-201	35.74	30.04	25.84	39.65	32.82
	RPZ-LS-202	36.54	28.59	40.52	41.28	36.73
	RPZ-LS-203	43.79	34.54	26.18	45.05	37.39
	RPZ-LS-204	36.28	35.72	39.3	43.54	38.71
	RPZ-LS-205	35.21	29.72	33.41	40.99	34.83
	RPZ-LS-206	44.1	32.32	34.74	37.82	37.25
	RPZ-LS-207	39.06	26.81	25.07	41.59	33.13
	RPZ-LS-208	34.15	24.92	39.36	46.33	36.19
	Mean	38.11	30.33	33.05	42.03	35.88
Mean	RPZ-LS-201	54.5	30.02	32.06	44.02	40.15
	RPZ-LS-202	52.28	31.84	45.62	42.65	43.1
	RPZ-LS-203	57.92	35.01	32.06	46.39	42.85
	RPZ-LS-204	54.9	36.18	41.35	42.86	43.82
	RPZ-LS-205	53.06	30.51	35.85	41.45	40.22
	RPZ-LS-206	55.82	36.35	36.73	43.33	43.06
	RPZ-LS-207	53.46	32.29	30.35	43.57	39.92
	RPZ-LS-208	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
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
RPZ-LS-201	47.49	6	32.82	8	40.15	7
RPZ-LS-202	49.46	2	36.73	4	43.10	3
RPZ-LS-203	48.30	5	37.39	2	42.85	5
RPZ-LS-204	48.93	3	38.71	1	43.82	2
RPZ-LS-205	45.60	8	34.83	6	40.22	6
RPZ-LS-206	48.87	4	37.25	3	43.06	4
RPZ-LS-207	46.71	7	33.13	7	39.92	8
RPZ-LS-208	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.
<b>Earhead/sqm</b>						
RPZ-LS-201	424	6	380	1	402	2
RPZ-LS-202	448	3	358	4	403	1
RPZ-LS-203	429	5	365	2	397	5
RPZ-LS-204	441	4	357	5	399	4
RPZ-LS-205	405	8	361	3	383	7
RPZ-LS-206	416	7	337	7	377	8
RPZ-LS-207	449	1	352	6	401	3
RPZ-LS-208	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.
<b>Grains/Earhead</b>						
RPZ-LS-201	27.49	7.00	23.4	8.0	25.5	8
RPZ-LS-202	27.54	6.00	28.2	3.0	27.9	3
RPZ-LS-203	28.04	5.00	27.5	4.0	27.8	5
RPZ-LS-204	28.42	3.00	29.8	2.0	29.1	2
RPZ-LS-205	28.23	4.00	27.0	5.0	27.6	6
RPZ-LS-206	33.40	1.00	30.5	1.0	32.0	1
RPZ-LS-207	25.21	8.00	25.9	7.0	25.6	7
RPZ-LS-208	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.
<b>1000 Grains Weight, g</b>						
RPZ-LS-201	40.49	6.00	39.7	2.0	40.1	2
RPZ-LS-202	40.60	4.00	39.0	5.0	39.8	5
RPZ-LS-203	40.59	5.00	39.2	3.0	39.9	3
RPZ-LS-204	40.16	7.00	39.0	4.0	39.6	6
RPZ-LS-205	40.97	3.00	38.7	6.0	39.9	4
RPZ-LS-206	39.47	8.00	37.7	7.0	38.6	8
RPZ-LS-207	41.22	2.00	37.6	8.0	39.4	7
RPZ-LS-208	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-TS-DOS-TAS Akola 2023-24**

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
RPZ-LS-201	73.27	2	35.74	6	54.50	4
RPZ-LS-202	68.02	6	36.54	4	52.28	8
RPZ-LS-203	72.06	3	43.79	2	57.92	1
RPZ-LS-204	73.53	1	36.28	5	54.90	3
RPZ-LS-205	70.91	5	35.21	7	53.06	6
RPZ-LS-206	67.54	8	44.10	1	55.82	2
RPZ-LS-207	67.87	7	39.06	3	53.46	5
RPZ-LS-208	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		
<b>Earhead/sqm</b>						
RPZ-LS-201	502	4	527	1	514	2
RPZ-LS-202	508	3	463	6	486	5
RPZ-LS-203	475	6	525	2	500	3
RPZ-LS-204	478	5	470	5	474	6
RPZ-LS-205	462	8	515	3	488	4
RPZ-LS-206	517	2	412	7	464	7
RPZ-LS-207	575	1	477	4	526	1
RPZ-LS-208	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		
<b>Grains/Earhead</b>						
RPZ-LS-201	32.78	4	14.3	8	23.6	7
RPZ-LS-202	31.67	5	19.0	4	25.3	5
RPZ-LS-203	34.65	2	19.8	3	27.2	2
RPZ-LS-204	35.63	1	17.9	6	26.8	3
RPZ-LS-205	33.91	3	16.8	7	25.3	4
RPZ-LS-206	31.36	6	27.1	1	29.2	1
RPZ-LS-207	25.13	8	20.1	2	22.6	8
RPZ-LS-208	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						
RPZ-LS-201	45.07	5	47.5	2	46.3	2
RPZ-LS-202	43.12	8	43.2	3	43.1	7
RPZ-LS-203	44.97	6	42.3	6	43.7	6
RPZ-LS-204	45.08	4	42.9	4	44.0	4
RPZ-LS-205	45.38	3	42.4	5	43.9	5
RPZ-LS-206	44.08	7	39.7	8	41.9	8
RPZ-LS-207	47.27	2	41.6	7	44.5	3
RPZ-LS-208	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-TS-DOS-TAS Dharwad 2023-24**

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
	Yield, q/ha					
RPZ-LS-201	30.00	8	30.04	4	30.02	8
RPZ-LS-202	35.09	6	28.59	6	31.84	6
RPZ-LS-203	35.48	5	34.54	2	35.01	3
RPZ-LS-204	36.63	4	35.72	1	36.18	2
RPZ-LS-205	31.29	7	29.72	5	30.51	7
RPZ-LS-206	40.39	2	32.32	3	36.35	1
RPZ-LS-207	37.77	3	26.81	7	32.29	5
RPZ-LS-208	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					
RPZ-LS-201	434	8	326	4	380	7
RPZ-LS-202	471	6	294	6	382	6
RPZ-LS-203	484	5	356	2	420	2
RPZ-LS-204	485	4	364	1	425	1
RPZ-LS-205	441	7	309	5	375	8
RPZ-LS-206	490	2	335	3	412	4
RPZ-LS-207	488	3	293	7	391	5
RPZ-LS-208	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		

<b>Grains/Earhead</b>						
RPZ-LS-201	19.15	7	25.00	8	22.07	8
RPZ-LS-202	20.88	4	27.47	3	24.18	3
RPZ-LS-203	20.20	5	26.91	5	23.55	4
RPZ-LS-204	22.08	2	29.24	1	25.66	2
RPZ-LS-205	18.72	8	25.66	6	22.19	7
RPZ-LS-206	23.52	1	28.27	2	25.89	1
RPZ-LS-207	21.19	3	25.53	7	23.36	6
RPZ-LS-208	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		
<b>1000 Grains Weight, g</b>						
RPZ-LS-201	36.33	4	36.92	2	36.63	2
RPZ-LS-202	35.70	6	35.51	6	35.61	6
RPZ-LS-203	36.33	4	36.08	4	36.21	5
RPZ-LS-204	34.67	8	33.40	8	34.04	8
RPZ-LS-205	37.87	1	37.61	1	37.74	1
RPZ-LS-206	35.13	7	34.37	7	34.75	7
RPZ-LS-207	36.56	3	36.03	5	36.30	4
RPZ-LS-208	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		

<b>Table 5.4.3. Peninsular Zone</b>			<b>IR-TS-DOS-TAS</b>		<b>Niphad</b>	<b>2023-24</b>
Genotype	<b>Date of Sowing</b>				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
RPZ-LS-201	38.28	6	25.84	7	32.06	6
RPZ-LS-202	50.71	1	40.52	1	45.62	1
RPZ-LS-203	37.94	7	26.18	6	32.06	7
RPZ-LS-204	43.40	3	39.30	3	41.35	3
RPZ-LS-205	38.28	5	33.41	5	35.85	5
RPZ-LS-206	38.72	4	34.74	4	36.73	4
RPZ-LS-207	35.64	8	25.07	8	30.35	8
RPZ-LS-208	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		

<b>Earhead/sqm</b>						
RPZ-LS-201	365	7	267	7	316	7
RPZ-LS-202	431	1	318	1	375	1
RPZ-LS-203	385	6	282	6	334	6
RPZ-LS-204	420	2	304	2	362	2
RPZ-LS-205	389	5	294	5	341	5
RPZ-LS-206	399	4	299	3	349	4
RPZ-LS-207	356	8	259	8	307	8
RPZ-LS-208	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		
<b>Grains/Earhead</b>						
RPZ-LS-201	23.60	2	24.90	7.0	24.25	5
RPZ-LS-202	25.38	1	28.90	2.0	27.14	1
RPZ-LS-203	21.99	5	22.83	8.0	22.41	8
RPZ-LS-204	22.44	4	29.45	1.0	25.95	2
RPZ-LS-205	21.74	6	26.81	4.0	24.27	4
RPZ-LS-206	21.42	7	26.54	5.0	23.98	6
RPZ-LS-207	23.59	3	27.88	3.0	25.73	3
RPZ-LS-208	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		
<b>1000 Grains Weight, g</b>						
RPZ-LS-201	44.69	7	39.82	7	42.26	7
RPZ-LS-202	46.54	2	44.54	2	45.54	2
RPZ-LS-203	44.89	6	40.65	6	42.77	6
RPZ-LS-204	46.24	3	44.14	3	45.19	3
RPZ-LS-205	45.95	4	42.37	5	44.16	5
RPZ-LS-206	45.91	5	43.91	4	44.91	4
RPZ-LS-207	42.80	8	34.90	8	38.85	8
RPZ-LS-208	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-TS-DOS-TAS Pune 2023-24**

Genotype	Date of Sowing				Mean	Rk
	Timely	Rk	Late	Rk		
<b>Yield, q/ha</b>						
RPZ-LS-201	48.40	3	39.65	7	44.02	3
RPZ-LS-202	44.01	6	41.28	5	42.65	7
RPZ-LS-203	47.73	4	45.05	2	46.39	2
RPZ-LS-204	42.18	7	43.54	3	42.86	6
RPZ-LS-205	41.90	8	40.99	6.00	41.45	8
RPZ-LS-206	48.83	2	37.82	8.00	43.33	5
RPZ-LS-207	45.55	5	41.59	4.00	43.57	4
RPZ-LS-208	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		
<b>Earhead/sqm</b>						
RPZ-LS-201	393	1	402	1	398	1
RPZ-LS-202	382	2	357	4	369	3
RPZ-LS-203	373	5	297	7	335	5
RPZ-LS-204	382	2	288	8	335	5
RPZ-LS-205	327	7	325	5	326	7
RPZ-LS-206	258	8	303	6	281	8
RPZ-LS-207	378	4	380	3	379	2
RPZ-LS-208	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		
<b>Grains/Earhead</b>						
RPZ-LS-201	34.43	5	29.46	8	31.94	7
RPZ-LS-202	32.22	7	37.43	5	34.83	6
RPZ-LS-203	35.33	4	40.62	2	37.97	5
RPZ-LS-204	33.52	6	42.67	1	38.09	4
RPZ-LS-205	38.55	3	38.82	4	38.68	3
RPZ-LS-206	57.30	1	40.18	3	48.74	1
RPZ-LS-207	30.93	8	30.08	7	30.50	8
RPZ-LS-208	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		

<b>1000 Grains Weight, g</b>						
RPZ-LS-201	35.87	5	34.43	5	35.15	4
RPZ-LS-202	37.03	2	32.63	7	34.83	6
RPZ-LS-203	36.17	4	37.70	2	36.93	2
RPZ-LS-204	34.63	7	35.57	4	35.10	5
RPZ-LS-205	34.67	6	32.60	8	33.63	7
RPZ-LS-206	32.77	8	32.67	6	32.72	8
RPZ-LS-207	38.23	1	37.73	1	37.98	1
RPZ-LS-208	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		