

Table 7.9. North Western Plains Zone		IR-TS-DPB		Centrewise		2025-26
Cutting levels	Genotype	Durgapura	Hisar	Karnal	Ludhiana	Zonal mean
Grain Yield, q/ha						
Uncut	IR-TS-DPB-1	58.49	60.91	44.15	40.38	50.98
	IR-TS-DPB-2	56.82	58.56	39.74	34.83	47.49
	IR-TS-DPB-3	56.67	61.80	49.45	39.50	51.86
	Mean	57.33	60.42	44.45	38.24	50.11
One cut	IR-TS-DPB-1	40.98	54.90	33.06	22.14	37.77
	IR-TS-DPB-2	40.96	60.15	30.92	20.83	38.21
	IR-TS-DPB-3	44.60	59.59	41.73	22.27	42.05
	Mean	42.18	58.21	35.24	21.75	39.34
Mean	IR-TS-DPB-1	49.73	57.90	38.61	31.26	44.38
	IR-TS-DPB-2	48.89	59.35	35.33	27.83	42.85
	IR-TS-DPB-3	50.64	60.70	45.59	30.89	46.95
	Mean	49.75	59.32	39.84	29.99	44.73
CD (0.05)	Cutting (A)	3.10	2.44	2.38	3.48	1.09
	Genotype (B)	2.44	3.91	3.61	2.05	1.45
	B within A	3.45	5.53	5.11	2.89	
	A within B	4.81	4.39	4.38	4.64	2.08
Fodder Yield, q/ha						
One cut	IR-TS-DPB-1	248.50	287.56	147.38	147.56	207.75
	IR-TS-DPB-2	224.75	252.25	123.85	126.54	181.85
	IR-TS-DPB-3	184.75	181.29	155.66	111.88	158.39
	Mean	219.33	240.37	142.30	128.66	182.66
Grain Equivalent Yield, q/ha						
Uncut	IR-TS-DPB-1	58.49	60.91	44.15	40.38	50.98
	IR-TS-DPB-2	56.82	58.56	39.74	34.83	47.49
	IR-TS-DPB-3	56.67	61.80	49.45	39.50	51.86
	Mean	57.33	60.42	44.45	38.24	50.11
One cut	IR-TS-DPB-1	93.93	115.86	64.82	53.85	82.12
	IR-TS-DPB-2	88.89	114.36	54.43	47.10	76.19
	IR-TS-DPB-3	83.19	98.72	74.17	44.64	75.18
	Mean	88.67	109.65	64.48	48.53	77.83
Mean	IR-TS-DPB-1	76.21	88.39	54.49	47.11	66.55
	IR-TS-DPB-2	72.86	86.46	47.08	40.96	61.84
	IR-TS-DPB-3	69.93	80.26	61.81	42.07	63.52
	Mean	73.00	85.04	54.46	43.38	63.97
CD (0.05)	Cutting (A)	3.95	2.38	3.41	3.13	1.24
	Genotype (B)	2.52	4.01	6.11	2.91	1.93
	B within A	3.56	5.67	8.65	4.12	2.73
	A within B	5.43	6.47	8.81	4.95	2.67
Date of Sowing:		10.11.2025	10.11.2025	15.11.2025	13.11.2025	
Date of Harvesting:		21.03.2026	30.03.2026	15.04.2026	16.04.2026	

Table 7.10. North Western Plain Zone				IR-TS-DPB	Pooled	2025-26
Genotype	Cutting Level				Mean	Rk
	Uncut	Rk	One cut	Rk		
Grain Yield, q/ha						
IR-TS-DPB-1	50.98	2	37.77	3	44.38	2
IR-TS-DPB-2	47.49	3	38.21	2	42.85	3
IR-TS-DPB-3	51.86	1	42.05	1	46.95	1
Mean	50.11		39.34		44.73	
	Cutting (A)		Genotype (B)	B within A	A within B	
CD (0.05)	1.09		1.45	N.S.	2.08	
Fodder Yield, q/ha						
IR-TS-DPB-1			207.75			
IR-TS-DPB-2			181.85			
IR-TS-DPB-3			158.39			
Mean			182.66			
Grain Equivalent Yield, q/ha						
IR-TS-DPB-1	50.98	2	82.12	1	66.55	1
IR-TS-DPB-2	47.49	3	76.19	2	61.84	3
IR-TS-DPB-3	51.86	1	75.18	3	63.52	2
Mean	50.11		77.83		63.97	
	Cutting (A)		Genotype (B)	B within A	A within B	
CD (0.05)	1.24		1.93	2.73	2.67	
Earhead/sq.m.						
IR-TS-DPB-1	377	2	365	2	371	2
IR-TS-DPB-2	365	3	350	3	358	3
IR-TS-DPB-3	402	1	400	1	401	1
Mean	381		372		377	
	Cutting (A)		Genotype (B)	B within A	A within B	
CD (0.05)	7.16		7.51	NS	11.54	
Grains/earhead						
IR-TS-DPB-1	30.92	2	29.09	2	30.00	2
IR-TS-DPB-2	29.76	3	28.81	3	29.29	3
IR-TS-DPB-3	33.29	1	29.32	1	31.31	1
Mean	31.32		29.07		30.20	
	Cutting (A)		Genotype (B)	B within A	A within B	
CD (0.05)	1.29		N.S.	N.S.	2.29	
1000 grains weight, g						
IR-TS-DPB-1	42.35	2	33.60	2	37.97	2
IR-TS-DPB-2	45.33	1	39.66	1	42.50	1
IR-TS-DPB-3	36.91	3	32.66	3	34.79	3
Mean	41.53		35.31		38.42	
	Cutting (A)		Genotype (B)	B within A	A within B	
CD (0.05)	0.76		1.39	1.96	1.86	
Centres: Durgapura, Hisar, Karnal, Ludhiana						

Table 7.10.1 North Western Plains Zone			IR-TS-DPB	Durgapura	2025-26	
Genotype	Cutting Level				Mean	Rk
	Uncut	Rk	One cut	Rk		
Grain Yield, q/ha						
IR-TS-DPB-1	58.49	1	40.98	2	49.73	2
IR-TS-DPB-2	56.82	2	40.96	3	48.89	3
IR-TS-DPB-3	56.67	3	44.60	1	50.64	1
Mean	57.33		42.18		49.75	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.93	3.10	6.43		
Genotype (B)	N.S.	0.97	2.44	5.46		
B within A	N.S.	1.37	3.45			
A within B		1.46	4.81			
Green Fodder Yield, q/ha						
IR-TS-DPB-1			248.50	1		
IR-TS-DPB-2			224.75	2		
IR-TS-DPB-3			184.75	3		
Mean			219.33			
Grain Equivalent Yield, q/ha						
IR-TS-DPB-1	58.49	1	93.93	1	76.21	1
IR-TS-DPB-2	56.82	2	88.89	2	72.86	2
IR-TS-DPB-3	56.67	3	83.19	3	69.93	3
Mean	57.33		88.67		73.00	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	1.19	3.95	5.63		
Genotype (B)	**	1.00	2.52	3.86		
B within A	**	1.41	3.56			
A within B		1.66	5.43			
Earhead/sq.m.						
IR-TS-DPB-1	377	1	367	2	372	1
IR-TS-DPB-2	369	2	334	3	352	3
IR-TS-DPB-3	337	3	368	1	353	2
Mean	361		356		359	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	6.82	22.69	6.64		
Genotype (B)	N.S.	6.79	17.12	5.40		
B within A	*	9.61	24.22			
A within B		10.40	18.17			
Grains/earhead						
IR-TS-DPB-1	37.22	2	29.84	3	33.53	2
IR-TS-DPB-2	34.68	3	31.54	2	33.11	3
IR-TS-DPB-3	41.68	1	33.01	1	37.34	1
Mean	37.86		31.46		34.66	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	*	0.95	3.17	9.38		
Genotype (B)	*	1.03	2.60	8.27		
B within A	N.S.	1.46	3.67			
A within B		1.52	4.28			
1000 grains weight, g						
IR-TS-DPB-1	41.69	2	37.42	2	39.56	2
IR-TS-DPB-2	44.49	1	39.51	1	42.00	1
IR-TS-DPB-3	40.41	3	36.95	3	38.68	3
Mean	42.20		37.96		40.08	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.18	0.59	1.53		
Genotype (B)	N.S.	0.77	1.94	5.43		
B within A	N.S.	1.09	2.74			
A within B		0.91	2.68			
Date of Sowing:	10.11.2025		Date of Harvesting:		21.03.2026	

Table 7.10.2 North Western Plains Zone			IR-TS-DPB	Hisar	2025-26	
Genotype	Cutting Level				Mean	Rk
	Uncut	Rk	One cut	Rk		
Grain Yield, q/ha						
IR-TS-DPB-1	60.91	2	54.90	3	57.90	3
IR-TS-DPB-2	58.56	3	60.15	1	59.35	2
IR-TS-DPB-3	61.80	1	59.59	2	60.70	1
Mean	60.42		58.21		59.32	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	0.73	2.44	4.27		
Genotype (B)	N.S.	1.55	3.91	7.39		
B within A	N.S.	2.19	5.53			
A within B		1.93	4.39			
Green fodderYield, q/ha						
IR-TS-DPB-1			287.56	1		
IR-TS-DPB-2			252.25	2		
IR-TS-DPB-3			181.29	3		
Mean			240.37			
Grain Equivalent Yield, q/ha						
IR-TS-DPB-1	60.91	2	115.86	1	88.39	1
IR-TS-DPB-2	58.56	3	114.36	2	86.46	2
IR-TS-DPB-3	61.80	1	98.72	3	80.26	3
Mean	60.42		109.65		85.04	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.72	2.38	2.93		
Genotype (B)	**	1.59	4.01	5.33		
B within A	**	2.25	5.67			
A within B		1.97	6.47			
Earhead/sq.m.						
IR-TS-DPB-1	453	2	464	2	459	2
IR-TS-DPB-2	440	3	439	3	439	3
IR-TS-DPB-3	547	1	547	1	547	1
Mean	480		483		482	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	5.74	19.11	4.14		
Genotype (B)	**	6.31	15.91	3.72		
B within A	N.S.	8.93	22.50			
A within B		9.28	13.13			
Grains/earhead						
IR-TS-DPB-1	30.51	3	31.27	3	30.89	3
IR-TS-DPB-2	30.68	2	34.05	1	32.37	1
IR-TS-DPB-3	30.92	1	33.63	2	32.27	2
Mean	30.70		32.98		31.84	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	0.88	2.92	9.52		
Genotype (B)	N.S.	1.44	3.62	12.70		
B within A	N.S.	2.03	5.12			
A within B		1.88	6.10			
1000 grains weight, g						
IR-TS-DPB-1	44.07	1	37.92	2	41.00	2
IR-TS-DPB-2	43.55	2	40.50	1	42.03	1
IR-TS-DPB-3	36.60	3	33.07	3	34.84	3
Mean	41.41		37.17		39.29	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	*	0.66	2.18	5.78		
Genotype (B)	**	0.76	1.91	5.45		
B within A	N.S.	1.07	2.70			
A within B		1.09	2.26			
Date of Sowing:	10.11.2025		Date of Harvesting:		30.03.2026	

Table 7.10.3 North Western Plains Zone			IR-TS-DPB	Jammu	2025-26	
Genotype	Cutting Level				Mean	Rk
	Uncut	Rk	One cut	Rk		
Grain Yield, q/ha						
IR-TS-DPB-1	46.44	3	36.57	2	41.51	2
IR-TS-DPB-2	47.39	2	30.37	3	38.88	3
IR-TS-DPB-3	48.92	1	40.62	1	44.77	1
Mean	47.58		35.85		41.72	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	1.19	3.96	9.73		
Genotype (B)	*	1.08	2.72	7.19		
B within A	*	1.52	3.24			
A within B		1.72	5.41			
Green fodder Yield, q/ha						
IR-TS-DPB-1			11.38	3		
IR-TS-DPB-2			13.84	2		
IR-TS-DPB-3			19.44	1		
Mean			14.89			
Grain Equivalent Yield, q/ha						
IR-TS-DPB-1	46.44	3	39.06	2	42.75	2
IR-TS-DPB-2	47.39	2	33.24	3	40.31	3
IR-TS-DPB-3	48.92	1	44.30	1	46.61	1
Mean	47.58		38.87		43.22	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	*	1.21	4.02	9.51		
Genotype (B)	*	1.11	2.79	7.12		
B within A	*	1.57	3.95			
A within B		1.76	5.17			
Earhead/sq.m.						
IR-TS-DPB-1	385	1	349	3	367	2
IR-TS-DPB-2	367	3	350	2	358	3
IR-TS-DPB-3	377	2	379	1	378	1
Mean	376		359		368	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	*	4.43	14.74	4.19		
Genotype (B)	*	4.54	11.45	3.51		
B within A	N.S.	6.43	16.19			
A within B		6.87	17.94			
Grains/earhead						
IR-TS-DPB-1	27.22	3	23.71	2	25.46	2
IR-TS-DPB-2	29.32	1	20.20	3	24.76	3
IR-TS-DPB-3	27.33	2	25.17	1	26.25	1
Mean	27.95		23.03		25.49	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	*	0.82	2.73	10.95		
Genotype (B)	N.S.	0.71	1.79	7.74		
B within A	*	1.00	2.53			
A within B		1.16	3.77			
1000 grains weight, g						
IR-TS-DPB-1	44.37	2	44.21	1	44.29	2
IR-TS-DPB-2	44.14	3	43.03	2	43.58	3
IR-TS-DPB-3	47.46	1	42.62	3	45.04	1
Mean	45.32		43.29		44.31	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	0.58	1.93	4.53		
Genotype (B)	N.S.	0.68	1.70	4.30		
B within A	N.S.	0.96	2.41			
A within B		0.97	2.88			
Date of Sowing:			Date of Harvesting:			

Table 7.10.4 North Western Plains Zone			IR-TS-DPB	Karnal	2025-26	
Genotype	Cutting Level				Mean	Rk
	Uncut	Rk	One cut	Rk		
Grain Yield, q/ha						
IR-TS-DPB-1	44.15	2	33.06	2	38.61	2
IR-TS-DPB-2	39.74	3	30.92	3	35.33	3
IR-TS-DPB-3	49.45	1	41.73	1	45.59	1
Mean	44.45		35.24		39.84	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.71	2.38	6.15		
Genotype (B)	**	1.43	3.61	10.08		
B within A	N.S.	2.03	5.11			
A within B		1.80	4.38			
Green fodderYield, q/ha						
IR-TS-DPB-1			147.38	2		
IR-TS-DPB-2			123.85	3		
IR-TS-DPB-3			155.66	1		
Mean			142.30			
Grain Equivalent Yield, q/ha						
IR-TS-DPB-1	44.15	2	64.82	2	54.49	2
IR-TS-DPB-2	39.74	3	54.43	3	47.08	3
IR-TS-DPB-3	49.45	1	74.17	1	61.81	1
Mean	44.45		64.48		54.46	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	1.03	3.41	6.45		
Genotype (B)	**	2.43	6.11	12.45		
B within A	N.S.	3.43	8.65			
A within B		2.98	8.81			
Earhead/sq.m.						
IR-TS-DPB-1	325	3	312	3	318	3
IR-TS-DPB-2	333	2	331	2	332	2
IR-TS-DPB-3	397	1	397	1	397	1
Mean	352		347		349	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	3.38	11.24	3.36		
Genotype (B)	**	6.58	16.59	5.34		
B within A	N.S.	9.31	23.46			
A within B		8.32	11.88			
Grains/earhead						
IR-TS-DPB-1	30.80	1	32.31	1	31.56	1
IR-TS-DPB-2	30.07	2	30.28	2	30.17	2
IR-TS-DPB-3	25.27	3	25.22	3	25.24	3
Mean	28.71		29.27		28.99	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	0.40	1.32	4.75		
Genotype (B)	**	0.52	1.31	5.08		
B within A	N.S.	0.74	1.86			
A within B		0.72	1.04			
1000 grains weight, g						
IR-TS-DPB-1	37.54	2	27.11	3	32.33	3
IR-TS-DPB-2	46.50	1	42.50	1	44.50	1
IR-TS-DPB-3	35.81	3	30.06	2	32.94	2
Mean	39.95		33.22		36.59	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.45	1.50	4.34		
Genotype (B)	**	0.66	1.67	5.21		
B within A	*	0.94	2.37			
A within B		0.89	1.67			
Date of Sowing:	15.11.2025		Date of Harvesting:		15.04.2026	

Table 7.10.5 North Western Plains Zone			IR-TS-DPB Ludhiana		2025-26	
Genotype	Cutting		Rk		Rk	
	C1	Rk	C2	Rk		
Grain Yield, q/ha						
IR-TS-DPB-1	40.38	1	22.14	2	31.26	1
IR-TS-DPB-2	34.83	3	20.83	3	27.83	3
IR-TS-DPB-3	39.50	2	22.27	1	30.89	2
Mean	38.24		21.75		29.99	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	1.04	3.48	11.97		
Genotype (B)	N.S.	0.81	2.05	7.59		
B within A	N.S.	1.15	2.89			
A within B		1.40	4.64			
Green fodderYield, q/ha						
IR-TS-DPB-1			147.56	1		
IR-TS-DPB-2			126.54	2		
IR-TS-DPB-3			111.88	3		
Mean			128.66			
Grain Equivalent Yield, q/ha						
IR-TS-DPB-1	40.38	1	53.85	1	47.11	1
IR-TS-DPB-2	34.83	3	47.10	2	40.96	3
IR-TS-DPB-3	39.50	2	44.64	3	42.07	2
Mean	38.24		48.53		43.38	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.94	3.13	7.47		
Genotype (B)	*	1.16	2.91	7.48		
B within A	N.S.	1.64	4.12			
A within B		1.63	4.95			
Earhead/sq.m.						
IR-TS-DPB-1	353	1	315	1	334	1
IR-TS-DPB-2	319	3	299	2	309	2
IR-TS-DPB-3	326	2	289	3	308	3
Mean	333		301		317	
	F. Test	SEm	CD (0.05)			
Cutting (A)	*	6.19	20.59	6.75		
Genotype (B)	**	5.77	14.54	5.14		
B within A	N.S.	8.16	20.56			
A within B		9.09	22.27			
Grains/earhead						
IR-TS-DPB-1	25.14	2	22.92	2	24.03	2
IR-TS-DPB-2	23.60	3	19.39	3	21.49	3
IR-TS-DPB-3	35.31	1	25.44	1	30.37	1
Mean	28.02		22.58		25.30	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	N.S.	1.54	5.13	21.08		
Genotype (B)	N.S.	1.89	4.76	21.09		
B within A	N.S.	2.67	6.73			
A within B		2.67	7.03			
1000 grains weight, g						
IR-TS-DPB-1	46.12	2	31.92	2	39.02	2
IR-TS-DPB-2	46.78	1	36.14	1	41.46	1
IR-TS-DPB-3	34.82	3	30.56	3	32.69	3
Mean	42.57		32.88		37.73	
	F. Test	SEm	CD (0.05)	CV (%)		
Cutting (A)	**	0.88	2.94	8.09		
Genotype (B)	N.S.	1.98	5.00	14.83		
B within A	N.S.	2.80	7.06			
A within B		2.45	7.19			
Date of Sowing:	13.11.2025		Date of Harvesting:	16.04.2026		