

2322-AVT-IR-LS-TAS-NWPZ, 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Delhi		J & K		Punjab				Haryana				Rajasthan		U.P.		UTK					
			Delhi		Jammu		Ludhiana		Gurdaspur		Hisar		Bawal		Karnal		Durgapura		Bulandshahr		Modipuram		Pantnagar	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD3428*	NWLS202	77.2	4 1	41.8	6 0	54.8	2 1	52.8	3 0	50.2	7 0	44.2	7 0	47.9	7 0	43.8	12 0	70.0	4 1	41.3	7 0	53.0	7 0
2	WH1324	NWLS201	75.6	5 1	40.3	11 0	41.3	12 0	42.8	11 0	51.7	5 0	42.7	10 0	46.6	10 0	53.4	4 0	59.8	12 0	40.9	8 0	46.5	12 0
3	NW8071	NWLS203	68.2	11 0	41.4	8 0	47.4	11 0	49.1	8 0	46.4	12 0	43.2	9 0	50.1	4 1	54.2	3 0	66.2	8 0	39.5	10 0	51.2	9 0
4	HD3455	NWLS204	78.5	2 1	40.8	10 0	53.9	4 1	50.0	7 0	48.6	11 0	37.1	12 0	44.4	11 0	50.2	8 0	68.1	5 0	46.8	1 1	56.8	2 1
5	DBW422	NWLS208	78.5	1 1	42.4	5 1	53.9	3 1	56.9	1 1	49.8	8 0	45.3	4 0	50.8	2 1	53.0	5 0	74.1	1 1	44.2	3 0	47.9	11 0
6	PBW921	NWLS209	75.2	6 1	41.6	7 0	56.8	1 1	51.4	6 0	53.3	4 0	44.9	6 0	52.6	1 1	52.2	6 0	70.2	3 1	38.3	12 0	52.9	8 0
7	RAJ4581	NWLS210	74.9	7 1	42.4	4 1	52.0	8 1	48.3	9 0	48.6	10 0	38.5	11 0	49.9	6 1	58.3	2 1	66.4	7 0	44.6	2 0	56.8	3 1
8	HD3495 ^M	NWLS211	72.6	8 1	45.9	1 1	47.8	10 0	52.9	2 0	61.9	1 1	48.9	1 1	47.3	9 0	50.1	9 0	63.3	11 0	39.1	11 0	50.9	10 0
9	HD3059 (C)	NWLS205	61.0	12 0	40.0	12 0	53.8	5 1	39.8	12 0	48.7	9 0	45.1	5 0	42.9	12 0	51.6	7 0	64.4	10 0	43.7	5 0	54.7	4 0
10	PBW771 (C)	NWLS206	69.1	10 0	41.0	9 0	52.9	7 1	51.6	5 0	51.2	6 0	45.4	3 0	47.4	8 0	60.3	1 1	72.9	2 1	42.6	6 0	54.3	6 0
11	JKW261 (C)	NWLS207	77.5	3 1	43.1	3 1	53.2	6 1	52.1	4 0	54.4	3 0	43.4	8 0	50.7	3 1	49.7	10 0	66.7	6 0	39.7	9 0	58.4	1 1
12	DBW173 (C)	NWLS212	70.0	9 0	43.4	2 1	50.7	9 0	47.2	10 0	58.5	2 1	45.5	2 0	50.0	5 1	47.5	11 0	64.8	9 0	43.8	4 0	54.7	5 0
G.M.			73.2		42.0		51.5		49.6		51.9		43.7		48.4		52.0		67.2		42.0		53.2	
S.E.(M)			2.520		1.618		2.163		1.464		1.604		1.352		1.676		1.399		1.711		0.872		1.077	
C.D. (10%)			6.0		3.9		5.2		3.5		3.8		3.2		4.0		3.4		4.1		2.1		2.6	
C.V.			6.9		7.7		8.4		5.9		6.2		6.2		6.9		5.4		5.1		4.1		4.1	
D.O.S.(dd.mm.yy)			07.12.23		12.12.23		05.12.23		05.12.23		08.12.23		14.12.23		12.12.23		14.12.23		15.12.23		13.12.23		15.12.23	

No. of Trials : Proposed = 12 Conducted = 12 Trial not conducted (00) = Nil
Trials not reported (01) = Nagina (LSM)

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STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Delhi		J & K		Punjab		Haryana		Rajasthan		U.P.		UTK		Zonal	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD3428*	NWLS202	77.2	4 1	41.8	6 0	53.8	3 1	47.4	7 0	43.8	12 0	55.7	4 0	53.0	7 0	52.5	7 0
2	WH1324	NWLS201	75.6	5 1	40.3	11 0	42.1	12 0	47.0	8 0	53.4	4 0	50.4	12 0	46.5	12 0	49.3	12 0
3	NW8071	NWLS203	68.2	11 0	41.4	8 0	48.3	10 0	46.6	9 0	54.2	3 0	52.9	10 0	51.2	9 0	50.6	10 0
4	HD3455	NWLS204	78.5	2 1	40.8	10 0	51.9	6 0	43.4	12 0	50.2	8 0	57.4	3 1	56.8	2 1	52.3	9 0
5	DBW422	NWLS208	78.5	1 1	42.4	5 1	55.4	1 1	48.6	5 0	53.0	5 0	59.1	1 1	47.9	11 0	54.3	1 1
6	PBW921	NWLS209	75.2	6 1	41.6	7 0	54.1	2 1	50.3	3 0	52.2	6 0	54.3	7 0	52.9	8 0	53.6	2 1
7	RAJ4581	NWLS210	74.9	7 1	42.4	4 1	50.1	8 0	45.7	10 0	58.3	2 1	55.5	5 0	56.8	3 1	52.8	5 0
8	HD3495 ^M	NWLS211	72.6	8 1	45.9	1 1	50.4	7 0	52.7	1 1	50.1	9 0	51.2	11 0	50.9	10 0	52.8	6 0
9	HD3059 (C)	NWLS205	61.0	12 0	40.0	12 0	46.8	11 0	45.6	11 0	51.6	7 0	54.1	8 0	54.7	4 0	49.6	11 0
10	PBW771 (C)	NWLS206	69.1	10 0	41.0	9 0	52.2	5 0	48.0	6 0	60.3	1 1	57.7	2 1	54.3	6 0	53.5	4 1
11	JKW261 (C)	NWLS207	77.5	3 1	43.1	3 1	52.6	4 1	49.5	4 0	49.7	10 0	53.2	9 0	58.4	1 1	53.5	3 1
12	DBW173 (C)	NWLS212	70.0	9 0	43.4	2 1	49.0	9 0	51.3	2 1	47.5	11 0	54.3	6 0	54.7	5 0	52.4	8 0
G.M.			73.2		42.0		50.6		48.0		52.0		54.6		53.2		52.3	
S.E.(M)			2.520		1.618		1.306		0.895		1.399		0.960		1.077		0.496	
C.D. (10%)			6.0		3.9		3.1		2.1		3.4		2.3		2.6		1.2	

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: AVT-IR-LS-TAS, 2023-24

S N	Variety	Code	Disease Reaction				Agronomic Characteristics							Grain Characteristics	
			Br	ACI	YI	ACI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	HD3428*	NW-LS-202	tMR	0.1	10S	3.1	75-100	89	114-152	129	89-105	96	20	30-50	42
2	WH1324	NW-LS-201	0	0.0	5S	1.3	74-101	88	115-152	129	84-109	96	0	40-49	44
3	NW8071	NW-LS-203	0	0.0	20S	5.9	77-96	86	113-144	127	79-101	91	0	36-44	43
4	HD3455	NW-LS-204	tMR	0.1	tS	0.1	73-99	88	113-146	129	85-109	95	10	32-47	38
5	DBW422	NW-LS-208	0	0.0	10S	2.1	72-92	82	107-146	125	89-100	93	0	35-47	41
6	PBW921	NW-LS-209	0	0.0	40S	5.7	74-99	87	114-155	129	78-94	88	0	30-42	37
7	Raj4581	NW-LS-210	0	0.0	5MS	0.8	70-95	83	111-152	127	81-98	92	5	36-48	44
8	HD3495 ^M	NW-LS-211	0	0.0	10S	1.6	77-101	89	118-148	129	83-111	95	0	31-44	39
9	HD3059 (C)	NW-LS-205	5S	1.8	40S	13.9	78-101	89	113-151	129	90-105	95	10	34-45	39
10	PBW771 (C)	NW-LS-206	0	0.0	10MS	2.4	76-95	86	113-148	127	80-100	88	0	32-47	40
11	JKW261 (C)	NW-LS-207	10S	3.5	10S	5.0	76-101	89	115-150	129	81-107	95	0	29-44	35
12	DBW173 (C)	NW-LS-212	0	0.0	10S	2.8	77-101	89	116-148	129	90-105	98	0	34-45	41

1. Ancillary data from Bawal, Bulandshahar, Delhi, Durgapura, Gurdaspur, Hisar, Jammu, Karnal, Ludhiana, Nagina and Pantnagar.
2. Lodging data from Hisar and Karnal.
3. Yellow rust data from Delhi, Gurdaspur, Hisar, Jammu, Karnal, Ludhiana and Pantnagar; Brown rust data from Pantnagar, Hisar and Delhi.

AVT-IR-LS-TAS, 2023-24
Individual Station Rust Data

SN	Variety	Code	Yellow rust							Brown rust		
			Delhi	Gurdaspur	Hisar	Jammu	Karnal	Ludhiana	Pantnagar	Pantnagar	Hisar	Delhi
1	HD3428*	NW-LS-202	0	tMS	0	tS	10S	5S	5S	0	0	tMR
2	WH1324	NW-LS-201	0	tMS	0	0	5MR	tS	5S	0	0	0
3	NW8071	NW-LS-203	10S	20S	0	0	10S	tS	0	0	0	0
4	HD3455	NW-LS-204	0	0	0	0	0	tS	0	0	0	tMR
5	DBW422	NW-LS-208	0	5MS	0	0	10S	tMS	0	0	0	0
6	PBW921	NW-LS-209	0	0	0	0	40S	0	0	0	0	0
7	Raj4581	NW-LS-210	0	tS	0	0	5MS	tMS	0	0	0	0
8	HD3495 ^M	NW-LS-211	0	0	0	0	10S	tMR	0	0	0	0
9	HD3059 (C)	NW-LS-205	10S	10MS	30S	tS	40S	10MS	0	5S	0	tMR
10	PBW771 (C)	NW-LS-206	0	10MS	5S	0	0	5MS	0	0	0	0
11	JKW261 (C)	NW-LS-207	0	10MS	5S	5MS	10S	10MS	0	0	10S	tMR
12	DBW173 (C)	NW-LS-212	0	tMS	tS	0	10S	10MS	0	0	0	0