

2323-AVT-RI-TS-TAS-NWPZ, 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Delhi		J&K		Punjab				Haryana			U.P.			Rajasthan		UTK									
			Delhi		Jammu		Ludhiana		Gurdaspur		Hisar	Karnal		Bawal	Modipuram	Nagina		Bulandshahr	Srigangana	Durgapura	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						
1	PBW927	NWRI304	64.8	4 1	59.8	4 1	48.4	2 1	53.6	1 1	43.4	10 0	57.5	5 0	44.5	8 0	38.6	10 0	51.7	2 0	70.0	7 0	63.0	7 1	45.1	2 1	50.7	4 0
2	JKW304	NWRI307	59.1	8 0	60.9	2 1	46.1	8 0	41.9	8 0	47.1	7 0	52.9	7 0	45.8	5 0	47.5	4 0	45.2	7 0	76.6	2 1	62.9	8 0	38.6	8 0	49.8	6 0
3	HD3468	NWRI309	64.9	3 1	63.6	1 1	41.6	10 0	52.2	2 1	48.8	4 0	57.0	6 0	48.0	3 1	51.5	1 1	54.6	1 1	76.6	2 1	66.1	6 1	45.1	1 1	53.3	1 1
4	WH1326	NWRI310	60.8	7 0	57.2	6 0	47.1	4 0	45.6	6 0	55.6	1 1	64.2	1 1	49.3	1 1	43.1	8 0	45.6	6 0	75.3	4 1	61.9	9 0	38.7	7 0	45.4	10 0
5	HD3369 (C)	NWRI302	68.8	1 1	54.2	7 0	47.6	3 0	43.1	7 0	48.5	5 0	51.4	8 0	43.6	10 0	47.8	3 0	45.2	8 0	73.6	5 1	66.4	5 1	43.0	5 1	49.9	5 0
6	HI1653 (C)	NWRI303	60.9	6 0	53.1	8 0	51.5	1 1	45.7	5 0	51.8	2 1	59.3	4 0	44.7	7 0	48.0	2 0	44.4	9 0	78.6	1 1	71.0	1 1	43.6	4 1	48.0	8 0
7	PBW644 (C)	NWRI305	55.2	10 0	60.6	3 1	43.8	9 0	38.7	9 0	45.4	9 0	49.7	10 0	44.1	9 0	40.3	9 0	37.7	10 0	67.4	8 0	66.6	3 1	36.8	10 0	51.1	3 0
8	NIAW3170(C)	NWRI306	57.3	9 0	51.6	9 0	46.6	5 0	38.3	10 0	45.7	8 0	51.0	9 0	48.1	2 1	46.5	7 0	47.0	4 0	70.7	6 0	66.8	2 1	43.8	3 1	48.8	7 0
9	DBW296 (C)	NWRI308	67.0	2 1	59.4	5 1	46.4	6 0	47.6	4 0	50.9	3 0	60.4	2 0	45.2	6 0	47.1	6 0	47.0	3 0	64.2	10 0	59.3	10 0	40.2	6 0	52.2	2 1
10	WH1402(I)(C)	NWRI301	62.8	5 0	51.0	10 0	46.2	7 0	48.0	3 0	48.4	6 0	59.4	3 0	46.6	4 0	47.5	5 0	46.6	5 0	66.1	9 0	66.6	4 1	37.6	9 0	46.7	9 0
G.M.			62.2		57.1		46.5		45.5		48.6		56.3		46.0		45.8		46.5		71.9		65.1		41.2		49.6	
S.E.(M)			1.698		2.238		1.590		1.346		1.727		1.547		1.143		0.629		0.987		3.278		3.378		1.228		0.834	
C.D. (10%)			4.1		5.4		3.8		3.2		4.2		3.7		2.8		1.5		2.4		7.9		8.1		3.0		2.0	
C.V.			5.5		7.8		6.8		5.9		7.1		5.5		5.0		2.7		4.2		9.1		10.4		6.0		3.4	
D.O.S.(dd.mm.yy)			03.11.23		30.10.23		30.10.23		26.10.23		02.11.23		28.10.23		04.11.23		02.11.23		05.11.23		05.11.23		01.11.23		04.11.23		31.10.23	

No. of Trials : Proposed = 13 Conducted = 13
 Trial not conducted (00) = Nil
 Trials not reported (00) = Nil

2323-AVT-RI-TS-TAS-NWPZ, 2023-24
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Delhi		J&K		Punjab		Haryana		U.P.		Rajasthan		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	PBW927	NWRI304	64.8	4 1	59.8	4 1	51.0	1 1	48.5	7 0	53.4	7 0	54.0	5 1	50.7	4 0	53.2	3 0
2	JKW304	NWRI307	59.1	8 0	60.9	2 1	44.0	8 0	48.6	6 0	56.4	3 0	50.7	8 0	49.8	6 0	51.9	7 0
3	HD3468	NWRI309	64.9	3 1	63.6	1 1	46.9	5 0	51.3	5 0	60.9	1 1	55.6	2 1	53.3	1 1	55.6	1 1
4	WH1326	NWRI310	60.8	7 0	57.2	6 0	46.3	6 0	56.4	1 1	54.7	6 0	50.3	9 0	45.4	10 0	53.1	4 0
5	HD3369 (C)	NWRI302	68.8	1 1	54.2	7 0	45.4	7 0	47.9	9 0	55.5	4 0	54.7	4 1	49.9	5 0	52.6	6 0
6	HI1653 (C)	NWRI303	60.9	6 0	53.1	8 0	48.6	2 1	51.9	3 0	57.0	2 0	57.3	1 1	48.0	8 0	53.9	2 0
7	PBW644 (C)	NWRI305	55.2	10 0	60.6	3 1	41.2	10 0	46.4	10 0	48.5	10 0	51.7	7 0	51.1	3 0	49.0	10 0
8	NIAW3170 (C)	NWRI306	57.3	9 0	51.6	9 0	42.5	9 0	48.3	8 0	54.7	5 0	55.3	3 1	48.8	7 0	50.9	9 0
9	DBW296 (C)	NWRI308	67.0	2 1	59.4	5 1	47.0	4 0	52.2	2 0	52.8	9 0	49.7	10 0	52.2	2 1	52.8	5 0
10	WH1402(I)(C)	NWRI301	62.8	5 0	51.0	10 0	47.1	3 0	51.4	4 0	53.4	8 0	52.1	6 0	46.7	9 0	51.8	8 0
G.M.			62.2		57.1		46.0		50.3		54.7		53.2		49.6		52.5	
S.E.(M)			1.698		2.238		1.042		0.862		1.160		1.797		0.834		0.514	
C.D. (10%)			4.1		5.4		2.5		2.0		2.7		4.2		2.0		1.2	

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: AVT-RI-TS-TAS, 2023-24

SN	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	PBW927	NW-RI-304	5S	2.2	5S	1.6	70-111	100	128-154	145	77-118	96	0	35-48	43
2	JKW304	NW-RI-307	40S	14.2	10MS	2.0	72-113	103	130-156	143	82-123	104	0	38-46	43
3	HD3468	NW-RI-309	60S	21.0	15S	7.2	67-104	96	132-162	147	70-123	102	0	32-45	40
4	WH1326	NW-RI-310	5S	1.0	5S	1.4	66-108	97	138-162	149	81-121	105	0	31-59	50
5	HD3369 (C)	NW-RI-302	40S	11.2	10S	3.2	71-113	99	127-155	145	77-120	101	5	38-54	46
6	HI1653 (C)	NW-RI-303	40S	9.0	tS	0.6	65-105	92	129-158	145	86-120	104	0	39-61	50
7	PBW644 (C)	NW-RI-305	60S	16.0	20S	8.4	71-113	100	127-156	147	83-123	105	10	39-48	43
8	NIAW3170 (C)	NW-RI-306	5S	2.0	15S	7.2	67-108	94	125-155	143	88-120	105	10	28-57	43
9	DBW296 (C)	NW-RI-308	10S	3.2	15S	3.6	75-113	103	138-160	150	73-113	100	10	28-50	43
10	WH1402(I) (C)	NW-RI-301	10S	3.0	tS	0.4	69-113	102	129-160	147	79-113	97	0	30-51	45

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

Individual Station Rust Data

SN	Variety	Code	Yellow rust					Brown rust				
			Hisar	Karnal	Gurdaspur	Jammu	Ludhiana	Karnal	Gurdaspur	Hisar	Ludhiana	Pantnagar
1	PBW927	NW-RI-304	0	5S	tS	tS	tMS	5S	0	0	tS	5S
2	JKW304	NW-RI-307	0	0	10MS	tS	tMS	20S	0	tS	10S	40S
3	HD3468	NW-RI-309	0	10S	15S	10S	tS	5S	0	0	40S	60S
4	WH1326	NW-RI-310	0	0	tS	5S	tS	0	0	0	0	5S
5	HD3369 (C)	NW-RI-302	0	0	5S	10S	tS	10S	0	tS	5S	40S
6	HI1653 (C)	NW-RI-303	0	0	tS	tS	tS	5S	0	0	0	40S
7	PBW644 (C)	NW-RI-305	tS	20S	10S	10S	tS	0	10S	0	10S	60S
8	NIAW3170 (C)	NW-RI-306	0	10S	10S	15S	tMS	5S	0	0	0	5S
9	DBW296 (C)	NW-RI-308	tS	0	tS	15S	tS	5S	0	0	tS	10S
10	WH1402(I) (C)	NW-RI-301	0	0	0	tS	tMS	5S	0	0	0	10S