

2121-AVT-IR-TS-TAS-NWPZ, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Delhi			Punjab						Haryana						U.P.											
			Delhi			Ludhiana		Rauni		Faridkot		Hisar		Karnal		Bawal		Bulandshahr			Modipuram								
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G						
1	PBW826*	NWTS101	76.9	1	1	66.9	1	1	60.6	2	1	63.7	2	1	61.5	1	1	65.2	3	1	53.3	4	1	62.4	3	1	55.5	4	0
2	HD3386	NWTS105	74.0	3	1	63.2	2	1	54.7	3	1	63.8	1	1	49.8	4	0	68.3	1	1	55.6	2	1	63.5	1	1	59.7	2	1
3	DBW222(C)	NWTS102	75.5	2	1	62.1	3	0	61.1	1	1	56.8	4	0	58.0	2	1	62.8	4	0	56.9	1	1	59.5	5	1	56.6	3	0
4	HD3086(C)	NWTS103	68.1	4	0	56.6	4	0	50.3	5	0	55.1	6	0	49.4	5	0	60.3	5	0	50.5	5	1	60.1	4	1	49.9	5	0
5	HD2967(C)	NWTS104	45.3	6	0	50.1	6	0	51.9	4	0	59.9	3	0	33.8	6	0	43.5	6	0	44.5	6	0	52.1	6	0	43.2	6	0
6	DBW187(C)	NWTS106	65.9	5	0	56.3	5	0	49.3	6	0	56.0	5	0	57.7	3	1	65.9	2	1	54.5	3	1	62.5	2	1	59.8	1	1
G.M.			67.6			59.2			54.7			59.2			51.7			61.0			52.5			60.0			54.1		
S.E.(M)			1.799			1.895			2.767			1.541			2.536			1.340			2.595			1.634			0.640		
C.D. (10%)			4.5			4.7			6.9			3.8			6.3			3.3			6.4			4.1			1.6		
C.V.			5.3			6.4			10.1			5.2			9.8			4.4			9.9			5.4			2.4		
D.O.S.(dd.mm.yy)			02.11.21			02.11.21			11.11.21			15.11.21			04.11.21			06.11.21			06.11.21			14.11.21			12.11.21		

No. of Trials : Proposed = 18 Conducted = 18
Trials not reported (06) = Jammu (LSM), Gurdaspur (LSM), Rohtak (LCV), Srigananagar (LSM), Nagina (LSM), Kashipur (LSM)

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LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	U.P.			M.P.			UTK		
			Ujhani			Gwalior			Pantnagar		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW826*	NWTS101	63.3	2	1	59.9	1	1	54.1	5	0
2	HD3386	NWTS105	65.9	1	1	53.2	4	0	58.1	1	1
3	DBW222(C)	NWTS102	52.4	5	0	50.7	5	0	55.2	3	1
4	HD3086(C)	NWTS103	56.6	4	0	56.8	2	0	57.9	2	1
5	HD2967(C)	NWTS104	49.9	6	0	46.0	6	0	53.7	6	0
6	DBW187(C)	NWTS106	60.1	3	0	53.3	3	0	54.5	4	0
G.M.			58.0			53.3			55.6		
S.E.(M)			1.716			1.241			1.250		
C.D. (10%)			4.3			3.1			3.1		
C.V.			5.9			4.7			4.5		
D.O.S.(dd.mm.yy)			14.11.21			10.11.21			11.11.21		

**2121-AVT-IR-TS-TAS-NWPZ, 2021-22
STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	Delhi			Punjab			Haryana			U.P.			M.P.			UTK			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW826*	NWTS101	76.9	1	1	63.8	1	1	60.0	1	1	60.4	3	0	59.9	1	1	54.1	5	0	61.9	1	1
2	HD3386	NWTS105	74.0	3	1	60.6	2	0	57.9	4	1	63.0	1	1	53.2	4	0	58.1	1	1	60.8	2	1
3	DBW222(C)	NWTS102	75.5	2	1	60.0	3	0	59.2	3	1	56.2	4	0	50.7	5	0	55.2	3	1	59.0	3	0
4	HD3086(C)	NWTS103	68.1	4	0	54.0	4	0	53.4	5	0	55.5	5	0	56.8	2	0	57.9	2	1	56.0	5	0
5	HD2967(C)	NWTS104	45.3	6	0	54.0	5	0	40.6	6	0	48.4	6	0	46.0	6	0	53.7	6	0	47.8	6	0
6	DBW187(C)	NWTS106	65.9	5	0	53.9	6	0	59.4	2	1	60.8	2	0	53.3	3	0	54.5	4	0	58.0	4	0
G.M.			67.6			57.7			55.1			57.4			53.3			55.6			57.2		
S.E.(M)			1.799			1.230			1.289			0.818			1.241			1.250			0.533		
C.D. (10%)			4.5			2.9			3.1			1.9			3.1			3.1			1.2		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: AVT-IR-TS-TAS-NWPZ, 2021-22

SN	Variety	Code	Disease Reaction				Agronomic Characteristics								
			Br	ACI	YI	ACI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	PBW826*	NWTS101	40S	14.2	10S	2.0	85-111	94	130-158	143	93-110	101	4	38-54	45
2	HD3386	NWTS105	40S	17.3	10S	4.0	86-111	96	130-157	143	95-110	102	6	39-54	46
3	DBW222(C)	NWTS102	5S	0.8	60S	13.9	85-115	98	131-159	145	95-118	106	8	31-52	38
4	HD3086(C)	NWTS103	60S	40.0	60S	14.3	82-111	95	129-157	142	84-108	98	2	32-54	41
5	HD2967(C)	NWTS104	5S	3.2	60S	40.7	85-114	102	130-159	146	94-115	107	16	26-52	35
6	DBW187(C)	NWTS106	40S	9.7	20S	6.0	81-114	96	129-156	144	89-119	106	24	35-54	43

1. Ancillary data from Bawal, Bulandshahr, Gwalior, Hisar, Jammu, Delhi, Faridkot, Gurdaspur, Karnal, Ludhiana, Modipuram, Nagina, Pantnagar, Rohtak, Sriganganagar and Rauni.
2. Lodging data from Ludhiana, Delhi, Hisar, Sriganganagar and Gurdaspur.
3. Yellow rust data from Delhi, Gurdaspur, Jammu, Karnal, Ludhiana, Hisar and Pantnagar; Brown rust data from Delhi, Pantnagar, Ludhiana, Karnal, Hisar and Gurdaspur.

Individual Station Rust Data

SN	Variety	Code	Yellow rust						Brown rust						
			Jammu	Pantnagar	Hisar	Delhi	Gurdaspur	Karnal	Ludhiana	Pantnagar	Ludhiana	Karnal	Hisar	Gurdaspur	Delhi
1	PBW826*	NWTS101	tr	0	10S	0	0	5MS	0	20S	10S	10S	40S	5S	0
2	HD3386	NWTS105	5S	0	10S	0	5S	10MS	0	10S	10S	10S	40S	10S	30MS
3	DBW222(C)	NWTS102	5MS	0	60S	0	5S	10MS	20S	0	0	0	5S	0	0
4	HD3086(C)	NWTS103	20S	0	60S	0	0	10S	10S	40S	60S	40S	40S	40S	20S
5	HD2967(C)	NWTS104	40S	5S	60S	40S	40S	40S	60S	5S	0	0	5S	5S	5MS
6	DBW187(C)	NWTS106	5MR	0	10S	0	5S	20S	5S	5S	0	0	40S	5S	10MS