

2021-AVT-IR-TS-TAS-NWPZ, 2020-21

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Delhi	J&K	Punjab						Haryana					
			Delhi	Jammu	Ludhiana	Gurdaspur	Rauni	Faridkot	Hisar	Karnal	Rohtak	Shikohpur				
			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	HD3349	NWTS103	65.6 5 1	52.0 8 0	57.6 12 0	51.0 8 0	58.3 7 0	64.1 8 1	62.5 4 0	47.9 11 0	58.1 6 0	48.9 10 0				
2	PBW876 <sup>B</sup>	NWTS104	64.7 6 1	50.5 10 0	69.1 2 1	58.0 3 0	62.5 4 1	67.4 3 1	59.5 9 0	59.5 3 1	56.6 9 0	47.8 12 0				
3	HD3406 <sup>M</sup>	NWTS105	54.2 13 0	50.3 11 0	59.9 9 0	46.5 12 0	56.0 11 0	67.8 2 1	58.2 10 0	48.4 10 0	57.8 7 0	50.8 7 0				
4	DBW313 <sup>#</sup>	NWTS107	61.1 9 0	57.7 4 0	65.9 4 0	55.5 5 0	56.7 10 0	58.5 12 0	59.9 8 0	56.2 5 0	54.3 12 0	51.8 6 1				
5	PBW826	NWTS109	70.5 1 1	62.3 2 1	74.0 1 1	60.9 2 1	64.3 1 1	68.4 1 1	70.7 2 1	62.6 2 1	61.4 2 0	56.1 1 1				
6	RAJ4548 <sup>#</sup>	NWTS110	58.8 11 0	37.6 13 0	60.7 7 0	47.4 11 0	57.3 9 0	56.3 13 0	55.1 13 0	50.5 9 0	57.8 8 0	47.9 11 0				
7	HD3354	NWTS111	64.0 8 0	56.3 6 0	58.8 10 0	63.5 1 1	61.8 5 1	59.9 11 0	57.8 11 0	56.8 4 0	62.7 1 1	53.1 2 1				
8	WH1283	NWTS112	61.0 10 0	54.5 7 0	58.5 11 0	50.7 9 0	60.0 6 1	67.3 5 1	71.5 1 1	44.1 12 0	54.4 11 0	47.1 13 0				
9	WH1105 (C)	NWTS101	67.1 2 1	49.1 12 0	68.1 3 1	54.9 6 0	62.7 3 1	60.1 10 0	60.2 7 0	54.9 6 0	56.3 10 0	52.8 4 1				
10	DBW187 (C)	NWTS102	64.2 7 0	62.5 1 1	65.1 6 0	48.0 10 0	58.1 8 0	66.1 6 1	60.9 6 0	53.4 7 0	59.8 5 0	52.6 5 1				
11	DBW222 (C)	NWTS106	66.6 3 1	61.7 3 1	65.8 5 0	57.6 4 0	62.8 2 1	60.5 9 0	70.5 3 1	63.9 1 1	60.9 3 0	49.2 9 0				
12	HD2967 (C)	NWTS108	56.2 12 0	51.7 9 0	46.8 13 0	32.7 13 0	55.9 12 0	67.3 4 1	62.5 5 0	42.3 13 0	51.7 13 0	53.1 3 1				
13	HD3086 (C)	NWTS113	66.3 4 1	56.8 5 0	60.6 8 0	51.9 7 0	55.8 13 0	64.7 7 1	56.3 12 0	53.1 8 0	60.7 4 0	50.6 8 0				
G.M.			63.1	54.1	62.4	52.2	59.4	63.7	62.0	53.4	57.9	50.9				
S.E.(M)			2.444	1.197	2.986	1.251	2.052	2.555	1.962	2.358	0.557	1.950				
C.D. (10%)			5.8	2.9	7.1	3.0	4.9	6.1	4.7	5.6	1.3	4.7				
C.V.			7.7	4.4	9.6	4.8	6.9	8.0	6.3	8.8	1.9	7.7				
D.O.S.(dd.mm.yy)			10.11.20	03.11.20	07.11.20	04.11.20	11.11.20	13.11.20	06.11.20	01.11.20	09.11.20	11.11.20				

No. of Trials : Proposed = 20 Conducted = 20  
 Trials not reported (01) = Bawal (RMT)

**2021-AVT-IR-TS-TAS-NWPZ, 2020-21**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Rajasthan			U.P.			UTK		
			Durgapura	Sriganganagar	Tabiji	Nagina	Bulandshahr	Modipuram	Ujhani	Pantnagar	Kashipur
			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	HD3349	NWTS103	60.8 8 0	42.9 13 0	54.2 5 0	67.8 6 0	52.5 11 0	59.9 8 0	52.8 4 1	65.0 8 0	65.6 4 1
2	PBW876 <sup>B</sup>	NWTS104	58.1 9 0	57.5 4 0	55.3 4 0	60.8 12 0	56.9 9 0	63.1 5 0	51.5 6 0	57.5 12 0	59.7 11 0
3	HD3406 <sup>M</sup>	NWTS105	46.9 12 0	47.6 10 0	46.8 13 0	70.4 3 0	49.9 13 0	55.2 12 0	56.7 1 1	66.9 4 0	67.4 2 1
4	DBW313 <sup>#</sup>	NWTS107	63.8 7 0	58.5 3 0	51.9 7 0	61.5 11 0	61.5 3 1	61.1 7 0	47.4 9 0	69.5 3 0	63.7 6 0
5	PBW826	NWTS109	68.1 2 1	61.3 2 1	65.5 1 1	69.6 4 0	62.8 2 1	76.3 1 1	45.3 13 0	72.4 1 1	61.2 10 0
6	RAJ4548 <sup>#</sup>	NWTS110	68.5 1 1	61.5 1 1	46.9 12 0	61.8 10 0	57.2 8 0	61.3 6 0	46.5 11 0	66.3 5 0	63.5 7 0
7	HD3354	NWTS111	56.5 11 0	53.8 6 0	48.8 10 0	62.8 9 0	56.3 10 0	54.0 13 0	53.2 3 1	57.8 11 0	61.4 9 0
8	WH1283	NWTS112	57.3 10 0	43.4 12 0	51.7 9 0	64.9 8 0	50.7 12 0	58.4 10 0	46.8 10 0	65.8 7 0	67.5 1 1
9	WH1105 (C)	NWTS101	65.2 4 1	50.7 8 0	56.0 3 0	59.7 13 0	60.3 5 1	64.0 3 0	45.7 12 0	64.5 9 0	63.4 8 0
10	DBW187 (C)	NWTS102	64.4 5 1	51.2 7 0	56.8 2 0	68.5 5 0	61.0 4 1	58.9 9 0	48.2 8 0	52.5 13 0	57.6 12 0
11	DBW222 (C)	NWTS106	66.0 3 1	49.8 9 0	48.1 11 0	74.5 1 1	63.0 1 1	72.8 2 0	51.6 5 0	71.6 2 1	57.4 13 0
12	HD2967 (C)	NWTS108	33.8 13 0	45.4 11 0	51.9 7 0	72.1 2 0	57.5 7 0	57.5 11 0	49.6 7 0	66.3 6 0	64.3 5 0
13	HD3086 (C)	NWTS113	64.2 6 1	55.5 5 0	53.6 6 0	66.9 7 0	60.1 6 1	63.5 4 0	54.9 2 1	60.2 10 0	66.1 3 1
G.M.			59.5	52.2	52.9	66.2	57.7	62.0	50.0	64.3	63.0
S.E.(M)			1.989	1.150	0.953	1.033	1.546	0.988	1.791	1.133	1.251
C.D. (10%)			4.7	2.7	2.3	2.5	3.7	2.4	4.3	2.7	3.0
C.V.			6.7	4.4	3.6	3.1	5.4	3.2	7.2	3.5	4.0
D.O.S.(dd.mm.yy)			12.11.20	14.11.20	13.11.20	07.11.20	11.11.20	12.11.20	15.11.20	09.11.20	13.11.20

2021-AVT-IR-TS-TAS-NWPZ, 2020-21

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	HD3349	NWTS103	65.6	5	1	52.0	8	0	57.8	10	0	54.4	9	0	52.6	10	0	58.2	6	0	65.3	5	1	57.2	9	0
2	PBW876 <sup>B</sup>	NWTS104	64.7	6	1	50.5	10	0	64.2	2	1	55.9	6	0	56.9	7	0	58.1	7	0	58.6	12	0	58.7	5	0
3	HD3406 <sup>M</sup>	NWTS105	54.2	13	0	50.3	11	0	57.5	11	0	53.8	11	0	47.1	12	0	58.1	8	0	67.1	1	1	55.7	12	0
4	DBW313 <sup>#</sup>	NWTS107	61.1	9	0	57.7	4	0	59.1	7	0	55.6	7	0	58.1	3	0	57.9	9	0	66.6	4	1	58.8	4	0
5	PBW826	NWTS109	70.5	1	1	62.3	2	1	66.9	1	1	62.7	1	1	65.0	1	1	63.5	2	0	66.8	2	1	64.9	1	1
6	RAJ4548 <sup>#</sup>	NWTS110	58.8	11	0	37.6	13	0	55.4	12	0	52.8	12	0	59.0	2	0	56.7	11	0	64.9	7	0	55.9	11	0
7	HD3354	NWTS111	64.0	8	0	56.3	6	0	61.0	5	0	57.6	3	0	53.0	9	0	56.6	12	0	59.6	11	0	57.9	8	0
8	WH1283	NWTS112	61.0	10	0	54.5	7	0	59.1	8	0	54.3	10	0	50.8	11	0	55.2	13	0	66.7	3	1	56.6	10	0
9	WH1105 (C)	NWTS101	67.1	2	1	49.1	12	0	61.4	4	0	56.1	5	0	57.3	6	0	57.4	10	0	63.9	9	0	58.7	6	0
10	DBW187 (C)	NWTS102	64.2	7	0	62.5	1	1	59.3	6	0	56.7	4	0	57.5	5	0	59.1	5	0	55.1	13	0	58.4	7	0
11	DBW222 (C)	NWTS106	66.6	3	1	61.7	3	1	61.7	3	0	61.1	2	1	54.7	8	0	65.5	1	1	64.5	8	0	61.8	2	0
12	HD2967 (C)	NWTS108	56.2	12	0	51.7	9	0	50.7	13	0	52.4	13	0	43.7	13	0	59.1	4	0	65.3	6	1	53.6	13	0
13	HD3086 (C)	NWTS113	66.3	4	1	56.8	5	0	58.3	9	0	55.2	8	0	57.8	4	0	61.4	3	0	63.1	10	0	59.0	3	0
G.M.			63.1			54.1			59.4			56.0			54.9			59.0			63.7			58.3		
S.E.(M)			2.444			1.197			1.152			0.919			0.829			0.691			0.844			0.404		
C.D. (10%)			5.8			2.9			2.7			2.2			1.9			1.6			2.0			0.9		

**Summary of Disease Data and Agronomic Characteristics**

**North Western Plains Zone**

**Trial: AVT-IR-TS-TAS-NWPZ, 2020-21**

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	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD3349	NW-TS-103	0	0.0	5S	1.7	72-106	89	123-162	141	92-109	101	20	Ey	A	SH	34-49	40
2	PBW876 <sup>B</sup>	NW-TS-104	0	0.0	10S	1.7	76-114	97	126-166	144	93-110	101	10	Ey	A	SH	36-48	42
3	HD3406 <sup>M</sup>	NW-TS-105	0	0.0	20S	5.8	87-110	100	127-165	146	96-117	105	20	Ey	A	SH	29-46	38
4	DBW313 <sup>#</sup>	NW-TS-107	10S	3.3	10S	3.4	81-111	97	126-166	145	80-108	96	10	Ey	A	SH	33-47	40
5	PBW826	NW-TS-109	5S	1.7	10S	4.2	76-102	91	125-165	143	77-109	95	5	Ey	A	SH	40-53	44
6	RAJ4548 <sup>#</sup>	NW-TS-110	0	0.0	10S	5.8	66-104	86	122-162	141	92-110	101	10	Ey	A	SH	36-50	41
7	HD3354	NW-TS-111	0	0.0	10S	3.3	73-108	91	124-165	142	89-113	101	15	Ey	A	SH	37-50	41
8	WH1283	NW-TS-112	0	0.0	5S	2.5	77-112	96	125-166	144	90-110	101	20	Ey	A	SH	34-44	41
9	WH1105 (C)	NW-TS-101	10S	3.3	10S	3.3	74-108	94	122-165	143	80-104	93	5	Ey	A	SH	28-44	38
10	DBW187 (C)	NW-TS-102	15S	5.0	10S	4.2	72-105	93	124-165	143	80-113	100	10	Ey	A	SH	36-51	42
11	DBW222 (C)	NW-TS-106	0	0.0	40S	15.0	76-109	94	125-165	144	89-114	102	10	Ey	A	SH	33-45	39
12	HD2967 (C)	NW-TS-108	tS	0.3	60S	35.0	86-112	102	130-166	146	93-110	102	15	Ey	A	SH	24-44	36
13	HD3086 (C)	NW-TS-113	10S	5.3	20S	5.8	74-108	91	123-166	142	83-105	96	15	Ey	A	SH	33-46	40

1. Ancillary data from Bawal, Bulandshahar, Hisar, Jammu, Delhi, Durgapura, Faridkot, Gurdaspur, Karnal, Shikhopur, Ludhiana, Modipuram, Nagina, Pantnagar, Rohtak, Srigananagar, Rauni and Tabiji.
2. Lodging data from Bawal, Bulandshahar, Durgapura, Delhi, Hisar, Karnal, Rohtak and Shikopur.
3. Yellow rust data from Delhi, Gurdaspur, Jammu, Karnal, Ludhiana and Pantnagar; Brown rust data from Delhi, Jammu and Pantnagar.

**Individual Station Rust Data**

SN	Variety	Code	Yellow rust						Brown rust		
			Gurdaspur	Ludhiana	Karnal	Pantnagar	Delhi	Jammu	Pantnagar	Delhi	Jammu
1	HD3349	NW-TS-103	5S	5S	0	0	0	0	0	0	0
2	PBW876 <sup>B</sup>	NW-TS-104	10S	0	0	0	0	0	0	0	0
3	HD3406 <sup>M</sup>	NW-TS-105	10S	20S	0	5S	0	0	0	0	0
4	DBW313 <sup>#</sup>	NW-TS-107	5S	10S	tR	5S	0	0	10S	0	0
5	PBW826	NW-TS-109	10S	5S	0	0	0	10S	5S	0	0
6	RAJ4548 <sup>#</sup>	NW-TS-110	10S	10S	0	5S	0	10S	0	0	0
7	HD3354	NW-TS-111	10S	10S	0	0	0	0	0	0	0
8	WH1283	NW-TS-112	5S	5S	0	0	0	5S	0	0	0
9	WH1105 (C)	NW-TS-101	5S	10S	0	5S	0	0	10S	0	0
10	DBW187 (C)	NW-TS-102	0	10S	0	5S	0	10S	15S	0	0
11	DBW222 (C)	NW-TS-106	20S	40S	0	20S	10S	tR	0	0	0
12	HD2967 (C)	NW-TS-108	40S	60S	20S	40S	40S	10S	tS	0	0
13	HD3086 (C)	NW-TS-113	5S	10S	0	0	0	20S	tS	10S	5S