

1521-AVT-IR-TS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	J&K		Punjab											
			Jammu		Gurdaspur		Ludhiana		Bathinda		Kapurthala		Rauni		Faridkot	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	UP 2907	NW-TS-101	31.9	7 0	42.3	7 0	57.3	6 0	61.4	8 1	66.3	4 1	58.3	8 0	67.5	2 1
2.	WH 1184	NW-TS-102	42.8	3 0	48.6	3 0	56.4	7 0	62.9	5 1	64.8	6 1	66.2	4 1	52.3	8 0
3.	UP 2903	NW-TS-104	38.0	5 0	47.4	5 0	61.3	3 1	63.3	4 1	70.8	1 1	61.1	7 0	60.4	5 1
4.	PBW 725	NW-TS-105	48.4	1 1	52.8	1 1	63.4	2 1	64.5	3 1	70.3	2 1	68.7	1 1	67.3	3 1
5.	HD 3086 (C)	NW-TS-103	46.0	2 1	49.6	2 0	65.0	1 1	62.5	6 1	62.5	7 0	67.5	2 1	67.9	1 1
6.	HD 2967 (C)	NW-TS-106	26.8	8 0	35.0	8 0	54.8	8 0	62.0	7 1	58.9	8 0	63.7	6 1	60.2	6 1
7.	WH 1105(C)	NW-TS-107	38.5	4 0	47.2	6 0	61.2	4 1	64.6	2 1	66.0	5 1	64.4	5 1	56.9	7 0
8.	DBW 88 (C)	NW-TS-108	33.5	6 0	48.5	4 0	60.0	5 1	65.9	1 1	67.5	3 1	66.6	3 1	65.2	4 1
G.M.			38.3		46.4		59.9		63.4		65.9		64.6		62.2	
S.E.(M)			1.042		0.988		2.330		1.884		2.361		2.053		2.712	
C.D.			3.1		2.9		N.S.		N.S.		6.9		6.0		8.0	
C.V.			5.4		4.3		7.8		5.9		7.2		6.4		8.7	
D.O.S. (d.m.y.)			16.11.2015		10.11.2015		13.11.2015		20.11.2015		10.11.2015		18.11.2015		18.11.2015	

Trials proposed & conducted = 26

Trial not reported (2) = Dhaulakuan (LSM), Ujhani (LSM)

AVT-IR-TS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Haryana						Delhi							
			Karnal		Uchani		Rohtak		Hisar		Bawal		Shikopur		Delhi	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	UP 2907	NW-TS-101	49.8	1 1	54.4	6 0	50.7	3 1	56.7	1 1	50.4	1 1	49.1	3 1	53.4	8 0
2.	WH 1184	NW-TS-102	42.3	6 0	54.0	7 0	51.7	1 1	53.6	2 0	44.0	6 0	38.9	8 0	53.7	7 0
3.	UP 2903	NW-TS-104	43.0	5 0	44.2	8 0	51.6	2 1	51.5	3 0	49.7	2 1	46.6	5 1	59.7	3 1
4.	PBW 725	NW-TS-105	44.9	3 1	61.3	1 1	48.1	5 0	40.8	6 0	40.3	7 0	43.1	7 0	57.0	5 0
5.	HD 3086 (C)	NW-TS-103	48.4	2 1	56.0	4 0	47.4	7 0	40.2	8 0	44.1	5 0	47.9	4 1	58.9	4 1
6.	HD 2967 (C)	NW-TS-106	34.5	8 0	55.6	5 0	47.1	8 0	40.8	6 0	37.1	8 0	44.7	6 0	54.3	6 0
7.	WH 1105(C)	NW-TS-107	43.7	4 1	58.3	3 1	49.5	4 1	47.1	5 0	46.4	4 1	50.4	1 1	60.0	1 1
8.	DBW 88 (C)	NW-TS-108	41.1	7 0	58.8	2 1	48.1	6 0	48.0	4 0	47.0	3 1	50.2	2 1	59.8	2 1
G.M.			43.5		55.3		49.3		47.3		44.9		46.4		57.1	
S.E.(M)			2.129		1.228		1.046		0.550		1.950		1.346		0.883	
C.D.			6.3		3.6		3.1		1.6		5.7		4.0		2.6	
C.V.			9.8		4.4		4.2		2.3		8.7		5.8		3.1	
D.O.S. (d.m.y.)			19.11.2015		18.11.2015		16.11.2015		15.11.2015		16.11.2015		17.11.2015		18.11.2015	

1521-AVT-IR-TS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Rajasthan						Uttar Pradesh											
			Durgapura			S'Ganganagar			Tabiji			Nagina			Bareilly			Bulandshahr		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	UP 2907	NW-TS-101	46.6	4	0	40.8	8	0	45.3	5	0	55.0	2	1	49.2	6	0	48.2	3	0
2.	WH 1184	NW-TS-102	45.3	5	0	57.3	4	0	47.4	3	1	45.8	5	0	52.1	5	0	44.9	6	0
3.	UP 2903	NW-TS-104	44.2	8	0	45.8	6	0	37.7	8	0	35.4	8	0	46.9	8	0	52.2	1	1
4.	PBW 725	NW-TS-105	47.2	2	1	63.3	2	1	48.4	2	1	56.4	1	1	52.7	4	1	51.0	2	0
5.	HD 3086 (C)	NW-TS-103	44.5	7	0	65.0	1	1	48.6	1	1	51.8	4	0	53.1	3	1	47.7	5	0
6.	HD 2967 (C)	NW-TS-106	50.0	1	1	43.7	7	0	43.8	6	0	44.5	6	0	55.2	1	1	43.6	7	0
7.	WH 1105 (C)	NW-TS-107	45.1	6	0	56.8	5	0	46.5	4	0	43.1	7	0	53.3	2	1	42.7	8	0
8.	DBW 88 (C)	NW-TS-108	46.8	3	1	58.5	3	1	37.8	7	0	52.9	3	0	48.5	7	0	47.8	4	0
G.M.			46.2			53.9			44.4			48.1			51.4			47.3		
S.E.(M)			1.131			2.483			0.573			0.768			0.919			0.364		
C.D.			3.3			7.3			1.7			2.3			2.7			1.1		
C.V.			4.9			9.2			2.6			3.2			3.6			1.5		
D.O.S. (d.m.y.)			17.11.2015			17.11.2015			20.11.2015			19.11.2015			20.11.2015			19.11.2015		

AVT-IR-TS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Uttar Pradesh			Uttarakhand								
			Modipuram			Pantnagar			Kashipur			Dhokrani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	UP 2907	NW-TS-101	44.1	6	0	58.6	2	0	68.3	2	0	57.4	2	1
2.	WH 1184	NW-TS-102	51.3	2	1	54.8	7	0	62.9	3	0	53.1	6	0
3.	UP 2903	NW-TS-104	41.9	8	0	63.0	1	1	57.9	5	0	59.3	1	1
4.	PBW 725	NW-TS-105	50.2	4	1	57.9	4	0	56.7	6	0	53.5	4	0
5.	HD 3086 (C)	NW-TS-103	49.4	5	0	56.4	6	0	51.9	8	0	55.1	3	1
6.	HD 2967 (C)	NW-TS-106	50.4	3	1	58.4	3	0	59.2	4	0	53.3	5	0
7.	WH 1105 (C)	NW-TS-107	52.2	1	1	57.3	5	0	52.9	7	0	47.3	8	0
8.	DBW 88 (C)	NW-TS-108	43.5	7	0	50.6	8	0	73.8	1	1	48.2	7	0
G.M.			47.9			57.1			60.4			53.4		
S.E.(M)			0.712			1.175			0.549			1.490		
C.D.			2.1			3.5			1.6			4.4		
C.V.			3.0			4.1			1.8			5.6		
D.O.S. (d.m.y.)			15.11.2015			18.11.2015			18.11.2015			19.11.2015		

1521-AVT-IR-TS-TAS-NWPZ, 2015-16
State and Zonal Mean Yield (q/ha)

SN	Variety	Code	J&K			Delhi			Haryana			Punjab			Rajasthan			Uttar Pradesh			Uttarakhand			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.	UP 2907	NW-TS-101	31.9	7	0	53.4	8	0	51.8	1	1	58.9	6	0	44.2	7	0	49.1	3	0	61.5	1	1	52.6	4	0
2.	WH 1184	NW-TS-102	42.8	3	0	53.7	7	0	47.4	5	0	58.5	7	0	50.0	3	0	48.5	4	0	56.9	5	0	52.0	6	0
3.	UP 2903	NW-TS-104	38.0	5	0	59.7	3	1	47.8	4	0	60.7	4	0	42.6	8	0	44.1	8	0	60.1	2	1	51.4	7	0
4.	PBW 725	NW-TS-105	48.4	1	1	57.0	5	0	46.4	7	0	64.5	1	1	53.0	1	1	52.6	1	1	56.0	6	0	54.5	1	1
5.	HD 3086 (C)	NW-TS-103	46.0	2	1	58.9	4	1	47.3	6	0	62.5	2	1	52.7	2	1	50.5	2	0	54.5	7	0	53.6	2	1
6.	HD 2967 (C)	NW-TS-106	26.8	8	0	54.3	6	0	43.3	8	0	55.8	8	0	45.8	6	0	48.4	5	0	57.0	4	0	49.1	8	0
7.	WH 1105(C)	NW-TS-107	38.5	4	0	60.0	1	1	49.2	2	0	60.0	5	0	49.4	4	0	47.8	7	0	52.5	8	0	52.1	5	0
8.	DBW 88 (C)	NW-TS-108	33.5	6	0	59.8	2	1	48.9	3	0	62.3	3	1	47.7	5	0	48.2	6	0	57.5	3	0	52.9	3	0
G.M.			38.3			57.1			47.8			60.4			48.2			48.7			57.0			52.3		
C.D.			3.1			2.6			1.7			2.4			2.6			1.0			1.9			0.9		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: AVT-IR-TS-TAS, 2015-16

SN	Variety	Code	Disease Reaction					Agronomic Characteristics								Grain Characteristics			
			YI	ACI	Br	ACI	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	UP 2907	NW-TS-101	40S	18.0	tS	0.3	7	78-109	95	121-155	139	78-109	95	20	Ey	A	SH-H	30-47	39
2.	WH 1184	NW-TS-102	0	0.0	tS	0.5	0	80-109	97	127-155	140	80-109	97	45	Ey	A	SH-H	26-43	35
3.	UP 2903	NW-TS-104	30S	4.1	40S	15.0	0	83-107	96	126-155	140	83-107	96	15	Ey	A	SH-H	25-47	36
4.	PBW 725	NW-TS-105	0	0.0	0	0.0	0	80-109	97	125-157	141	80-109	97	40	Ey	A	SH-H	30-47	38
5.	HD 3086 (C)	NW-TS-103	0	0.0	10S	5.2	0	81-105	93	125-154	140	81-105	93	25	Ey	A	SH-H	30-47	37
6.	HD 2967 (C)	NW-TS-106	60S	30.0	10S	2.5	0	84-112	98	126-153	141	84-112	98	40	Ey	A	SH-H	27-44	37
7.	WH 1105 (C)	NW-TS-107	20S	4.0	tS	0.5	0	83-106	95	127-155	140	83-106	95	25	Ey	A	SH-H	26-43	35
8.	DBW 88 (C)	NW-TS-108	40S	5.9	tS	0.5	0	81-107	96	123-155	141	81-107	96	35	Ey	A	SH-H	30-45	37

1. Ancillary data from Bawal, Karnal, Bathinda, Dhakrani, Shikopur, Hisar, Rohtak, Dhaulakuan, Nagina, Delhi, Durgapura, Faridkot, Gurdaspur, Jammu, Ludhiana, Pantnagar, Sriganagar, Tabiji, Uchani, Bareilly, Bulandshahr and Kashipur.
2. Lodging data from Gurdaspur, Hisar, IIWBR, Karnal, Ludhiana, Pantnagar, Uchani and Shikopur.
3. Brown rust data from Hisar, Rohtak, Pantnagar and Uchani.
4. Yellow rust data from Hisar, Rohtak, Ludhiana, Gurdaspur, Delhi, Pantnagar, IIWBR-Karnal, Dhaulakuan, Jammu and Uchani.
5. Powdery mildew data from Dhaulakuan and Uchani.

Individual Station Rust Data

SN	Variety	Code	Hisar		Rohtak		Pantnagar		Uchani		Jammu	Gurdaspur	Ludhiana	Dhaulakuan	Karnal	Delhi
			Br	YI	Br	YI	Br	YI	Br	YI	YI	YI	YI	YI	YI	YI
1.	UP 2907	NW-TS-101	0	30S	tS	10S	0	tMR	0	20S	20S	40S	20S	40S	0	0
2.	WH 1184	NW-TS-102	tS	0	tS	0	0	0	0	0	0	0	0	0	0	0
3.	UP 2903	NW-TS-104	40S	tS	20S	0	0	0	0	0	30S	5S	0	5S	0	0
4.	PBW 725	NW-TS-105	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	HD 3086 (C)	NW-TS-103	10S	0	10S	0	tMS	0	0	0	0	0	0	0	0	0
6.	HD 2967 (C)	NW-TS-106	0	20S	0	0	0	30S	10S	30S	60S	60S	20S	60S	20S	0
7.	WH 1105 (C)	NW-TS-107	tS	0	tS	0	0	0	0	0	20S	10S	0	10S	0	0
8.	DBW 88 (C)	NW-TS-108	tS	0	tS	0	0	0	0	0	40S	5S	0	10S	0	10MR

1523-AVT-IR-LS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	J&K			Delhi			Haryana								
			Jammu			Delhi			Hisar		Karnal		Kaul				
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	DBW 173	NW-LS-203	30.9	4	0	50.6	2	1	43.2	2	1	49.3	1	1	45.3	1	1
2.	DBW 172	NW-LS-205	36.1	1	1	48.2	4	1	42.6	3	1	40.0	6	0	35.3	6	0
3.	DBW 90 (C)	NW-LS-201	31.7	3	0	48.2	3	1	42.5	4	1	42.6	3	0	42.2	3	1
4.	WH 1124 (C)	NW-LS-202	33.0	2	0	51.3	1	1	43.3	1	1	42.6	4	0	43.6	2	1
5.	HD 3059 (C)	NW-LS-204	27.9	6	0	46.6	5	0	41.1	6	1	43.8	2	0	39.5	5	0
6.	WH 1021 (C)	NW-LS-206	30.8	5	0	42.0	6	0	42.1	5	1	41.3	5	0	41.4	4	1
G.M.			31.7			47.8			42.5			43.3			41.2		
S.E.(M)			0.826			1.324			1.238			1.233			1.567		
C.D.			2.5			4.0			N.S.			3.7			4.7		
C.V.			5.2			5.5			5.8			5.7			7.6		
D.O.S. (d.m.y.)			21.12.2015			17.12.2015			23.12.2015			22.12.2015			15.12.2015		

Trials proposed, conducted & reported = 19

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Locationwise Mean Yield (q/ha)

SN	Variety	Code	Punjab														
			Bathinda			Kapurthala			Ludhiana			Gurdaspur			Faridkot		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	DBW 173	NW-LS-203	48.9	6	1	51.6	1	1	53.9	1	1	41.2	1	1	54.2	4	1
2.	DBW 172	NW-LS-205	50.2	5	1	31.7	6	0	47.9	4	1	37.0	4	0	41.6	6	0
3.	DBW 90 (C)	NW-LS-201	51.2	3	1	46.3	3	1	51.9	3	1	36.2	5	0	59.0	1	1
4.	WH 1124 (C)	NW-LS-202	52.5	2	1	45.3	4	0	52.8	2	1	40.0	2	1	57.2	2	1
5.	HD 3059 (C)	NW-LS-204	52.8	1	1	50.5	2	1	43.5	5	0	37.5	3	0	45.0	5	0
6.	WH 1021 (C)	NW-LS-206	50.3	4	1	40.6	5	0	40.8	6	0	31.1	6	0	54.5	3	1
G.M.			51.0			44.3			48.5			37.1			51.9		
S.E.(M)			2.078			1.837			2.096			0.813			2.425		
C.D.			N.S.			5.5			6.3			2.5			7.3		
C.V.			8.1			8.3			8.7			4.4			9.3		
D.O.S. (d.m.y.)			15.12.2015			17.12.2015			15.12.2015			17.12.2015			17.12.2015		

1523-AVT-IR-LS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Uttar Pradesh											
			Nagina			Modipuram			Bareilly			Bulandshahr		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	DBW 173	NW-LS-203	39.7	2	0	39.4	4	0	41.2	4	0	36.5	6	0
2.	DBW 172	NW-LS-205	44.9	1	1	43.2	2	1	35.9	6	0	40.8	4	0
3.	DBW 90 (C)	NW-LS-201	39.1	3	0	39.7	3	0	40.2	5	0	45.2	2	1
4.	WH 1124 (C)	NW-LS-202	34.3	5	0	38.4	5	0	46.3	1	1	41.7	3	0
5.	HD 3059 (C)	NW-LS-204	29.9	6	0	37.3	6	0	44.8	2	1	45.6	1	1
6.	WH 1021 (C)	NW-LS-206	34.8	4	0	44.0	1	1	44.0	3	1	37.8	5	0
G.M.			37.1			40.3			42.1			41.3		
S.E.(M)			1.121			0.801			0.927			0.472		
C.D.			3.4			2.4			2.8			1.4		
C.V.			6.0			4.0			4.4			2.3		
D.O.S. (d.m.y.)			24.12.2015			23.12.2015			19.12.2015			15.12.2015		

AVT-IR-LS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Uttrakhand						Rajasthan								
			Kashipur			Pantnagar			S'Ganganagar			Durgapura			Tabiji		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	DBW 173	NW-LS-203	56.0	3	0	42.8	5	1	54.5	2	1	44.6	1	1	37.7	1	1
2.	DBW 172	NW-LS-205	60.6	1	1	45.2	2	1	51.0	4	1	36.3	5	0	32.8	3	0
3.	DBW 90 (C)	NW-LS-201	48.8	5	0	43.6	3	1	55.1	1	1	38.3	3	0	35.8	2	0
4.	WH 1124 (C)	NW-LS-202	47.7	6	0	45.6	1	1	52.5	3	1	38.0	4	0	32.8	3	0
5.	HD 3059 (C)	NW-LS-204	55.3	4	0	42.9	4	1	46.3	6	0	40.0	2	0	28.7	6	0
6.	WH 1021 (C)	NW-LS-206	58.6	2	0	42.6	6	1	47.5	5	1	36.3	6	0	31.8	5	0
G.M.			54.5			43.8			51.2			38.9			33.3		
S.E.(M)			0.630			1.117			2.605			1.158			0.636		
C.D.			1.9			N.S.			N.S.			3.5			1.9		
C.V.			2.3			5.1			10.2			6.0			3.8		
D.O.S. (d.m.y.)			15.12.2015			19.12.2015			15.12.2015			19.12.2015			17.12.2015		

1523-AVT-IR-LS-TAS-NWPZ, 2015-16
State and Zonal Mean Yield (q/ha)

SN	Variety	Code	Jammu	Delhi	Haryana	Punjab	Rajasthan	Uttar Pradesh	Uttarkhand	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.	DBW 173	NW-LS-203	30.9 4 0	50.6 2 1	45.9 1 1	50.0 1 1	45.6 1 1	39.2 6 0	49.4 3 0	45.3 1 1
2.	DBW 172	NW-LS-205	36.1 1 1	48.2 4 1	39.3 6 0	41.7 6 0	40.0 4 0	41.2 1 1	52.9 1 1	42.2 4 0
3.	DBW 90 (C)	NW-LS-201	31.7 3 0	48.2 3 1	42.4 3 0	48.9 3 1	43.1 2 1	41.0 2 1	46.2 6 0	44.1 3 0
4.	WH 1124 (C)	NW-LS-202	33.0 2 0	51.3 1 1	43.2 2 0	49.5 2 1	41.1 3 0	40.2 3 1	46.6 5 0	44.1 2 0
5.	HD 3059 (C)	NW-LS-204	27.9 6 0	46.6 5 0	41.4 5 0	45.8 4 0	38.3 6 0	39.4 5 0	49.1 4 0	42.0 5 0
6.	WH 1021 (C)	NW-LS-206	30.8 5 0	42.0 6 0	41.6 4 0	43.5 5 0	38.6 5 0	40.2 4 1	50.6 2 0	41.7 6 0
G.M.			31.7	47.8	42.3	46.6	41.1	40.2	49.1	43.2
C.D.			2.5	4.0	2.2	2.4	2.8	1.2	1.9	0.9

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: AVT-IR-LS-TAS, 2015-16

SN	Variety	Code	Disease Reaction				Agronomic Characteristics								Grain Characteristics			
			YI	ACI	Br	ACI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	DBW 173	NW-LS -203	5S	1.6	tS	0.3	71-90	79	106-130	119	65-97	87	5	Ey	A	SH-H	31-43	39
2.	DBW 172	NW-LS -205	10S	1.7	5S	1.7	68-87	81	105-129	118	66-93	82	10	Ey	A	SH-H	31-42	35
3.	DBW 90 (C)	NW-LS -201	5S	0.8	20S	15.0	70-86	77	106-130	118	71-100	86	5	Ey	A	SH-H	32-43	37
4.	WH 1124 (C)	NW-LS -202	10S	1.7	20S	6.7	68-86	78	108-130	118	67-91	84	0	Ey	A	SH-H	33-47	38
5.	HD 3059 (C)	NW-LS -204	40S	12.7	0	0.0	71-90	80	105-130	120	64-100	86	0	Ey	A	SH-H	34-45	38
6.	WH 1021 (C)	NW-LS -206	40S	17.0	0	0.0	70-90	78	106-130	118	71-99	86	45	Ey	A	SH-H	33-45	37

1. Ancillary data from Bathinda, Hisar, kaul, Modipuram, Nagina, Delhi, Durgapura, Faridkot, Gurdaspur. Jammu, Karnal, Ludhiana, Pantnagar, Sriganganagar, Tabiji, Bulandshahr, Bareilly and Kashipur.
2. Lodging data from Gurdaspur and Kaul.
3. Brown rust data from Hisar Kaul and Karnal.
4. Yellow rust data from Kaul, Delhi, Gurdaspur, Jammu, Ludhiana and Pantnagar.

Individual Station Rust Data

SN	Variety	Code	Kaul		Hisar	Karnal	Delhi	Ludhiana	Gurdaspur	Jammu	Pantnagar
			Br	YI	Br	Br	YI	YI	YI	YI	YI
1.	DBW 173	NW-LS -203	0	0	tS	0	0	5S	5S	0	0
2.	DBW 172	NW-LS -205	0	tS	0	5S	0	0	10S	0	0
3.	DBW 90 (C)	NW-LS -201	5S	0	20S	20S	0	5S	0	tR	0
4.	WH 1124 (C)	NW-LS -202	0	0	0	20S	0	0	10S	tR	0
5.	HD 3059 (C)	NW-LS -204	0	0	0	0	20MS	0	40S	20S	0
6.	WH 1021 (C)	NW-LS -206	0	0	0	0	40MS	5S	40S	20S	5S

1525-AVT-RI-TS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	J&K		Delhi		Haryana			Punjab						
			Jammu		Delhi		Hisar		Bawal	Uchani		Ludhiana	Balachaur			
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G		
1.	DBW 179	NW-RI-302	38.3	4 0	46.1	2 1	50.9	1 1	27.4	7 0	51.7	2 1	46.9	3 1	41.8	6 0
2.	NW 6046	NW-RI-303	37.0	5 0	38.9	7 0	46.0	5 0	33.9	4 0	55.2	1 1	45.6	4 1	46.2	2 1
3.	PBW 737	NW-RI-304	44.1	1 1	43.2	3 0	47.4	3 1	31.5	6 0	50.4	3 0	47.9	2 1	47.1	1 1
4.	WH 1142(C)	NW-RI-301	35.2	6 0	42.6	4 0	47.6	2 1	32.5	5 0	44.4	6 0	41.2	6 0	40.3	7 0
5.	HD 3043(C)	NW-RI-305	34.7	7 0	41.0	5 0	40.9	7 0	37.8	1 1	44.4	4 0	37.4	7 0	42.9	4 0
6.	WH 1080(C)	NW-RI-306	39.0	3 0	40.7	6 0	42.1	6 0	37.7	2 1	40.6	7 0	48.8	1 1	42.9	3 0
7.	PBW644(C)	NW-RI-307	39.2	2 0	49.9	1 1	46.8	4 0	37.4	3 1	44.4	4 0	44.0	5 1	41.8	5 0
G.M.			38.2		43.2		46.0		34.0		47.3		44.5		43.3	
S.E.(M)			1.159		1.742		1.337		1.265		1.353		1.814		1.376	
C.D.			3.4		5.2		4.0		3.8		4.0		5.4		N.S.	
C.V.			6.1		8.1		5.8		7.4		5.7		8.1		6.4	
D.O.S. (d.m.y.)			28.10.2015		2.11.2015		31.10.2015		5.11.2015		4.11.2015		3.11.2015		2.11.2015	

Trials proposed & conducted = 14

Trial not reported (1) = Kapurthala (RMT)

AVT-RI-TS-TAS-NWPZ, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Punjab		Rajasthan			Uttar Pradesh			Uttarakhand			
			Gurdaspur		Diggi	S' Ganganagar		Modipuram		Bulandshahr		Pantnagar		
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	DBW 179	NW-RI-302	44.4	3 0	36.9	1 1	52.8	2 1	40.6	1 1	48.2	1 1	53.0	3 1
2.	NW 6046	NW-RI-303	46.6	1 1	24.0	7 0	47.7	7 1	37.3	5 0	41.9	7 0	52.9	4 1
3.	PBW 737	NW-RI-304	41.2	7 0	34.4	3 1	53.4	1 1	37.1	6 0	43.6	4 0	55.5	1 1
4.	WH 1142(C)	NW-RI-301	43.0	6 0	30.2	4 0	51.9	4 1	35.5	7 0	48.1	2 1	52.6	5 1
5.	HD 3043(C)	NW-RI-305	44.1	4 0	25.0	6 0	49.8	5 1	37.8	4 0	44.4	3 0	49.4	7 0
6.	WH 1080 (C)	NW-RI-306	43.8	5 0	29.8	5 0	49.6	6 1	37.9	3 0	43.2	5 0	50.0	6 0
7.	PBW 644 (C)	NW-RI-307	44.9	2 1	35.8	2 1	52.5	3 1	38.9	2 0	42.6	6 0	54.3	2 1
G.M.			44.0		30.9		51.1		37.9		44.6		52.5	
S.E.(M)			0.647		1.348		2.397		0.478		0.330		1.160	
C.D.			1.9		4.0		N.S.		1.4		1.0		N.S.	
C.V.			2.9		8.7		9.4		2.5		1.5		4.4	
D.O.S. (d.m.y.)			3.11.2015		4.11.2015		5.11.2015		5.11.2015		5.11.2015		2.11.2015	

1525-AVT-RI-TS-TAS-NWPZ, 2015-16
State and Zonal Mean Yield (q/ha)

SN	Variety	Code	Jammu			Delhi			Haryana			Punjab			Rajasthan			Uttar Pradesh			Uttarakhand			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.	DBW 179	NW-RI-302	38.3	4	0	46.1	2	1	43.3	2	1	44.3	4	1	44.8	1	1	44.4	1	1	53.0	3	1	44.5	1	1
2.	NW 6046	NW-RI-303	37.0	5	0	38.9	7	0	45.0	1	1	46.1	1	1	35.8	7	0	39.6	7	0	52.9	4	1	42.5	7	0
3.	PBW 737	NW-RI-304	44.1	1	1	43.2	3	0	43.1	3	1	45.4	2	1	43.9	3	1	40.4	6	0	55.5	1	1	44.4	6	0
4.	WH 1142 (C)	NW-RI-301	35.2	6	0	42.6	4	0	41.5	5	0	41.5	6	0	41.1	4	1	41.8	2	0	52.6	5	1	41.9	2	0
5.	HD 3043 (C)	NW-RI-305	34.7	7	0	41.0	5	0	41.0	6	0	41.4	7	0	37.4	6	0	41.1	3	0	49.4	7	0	40.7	3	0
6.	WH 1080 (C)	NW-RI-306	39.0	3	0	40.7	6	0	40.1	7	0	45.2	3	1	39.7	5	0	40.5	5	0	50.0	6	0	42.0	5	0
7.	PBW 644 (C)	NW-RI-307	39.2	2	0	49.9	1	1	42.9	4	0	43.6	5	0	44.2	2	1	40.8	4	0	54.3	2	1	44.0	4	0
G.M.			38.2			43.2			42.4			43.9			41.0			41.2			52.5			42.9		
C.D.			3.4			5.2			2.2			2.2			3.9			0.8			N.S.			1.1		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: AVT-RI-TS-TAS, 2015-16

SN	Variety	Code	Disease Reaction				Agronomic Characteristics								Grain Characteristics			
			YI	ACI	Br	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	DBW 179	NW-RI-302	10S	3.6	0	0.4	83-106	96	120-166	145	89-118	104	20	Ey	A	SH-H	31-52	41
2.	NW 6046	NW-RI-303	tR	0.0	0	1.0	88-106	96	121-164	145	92-110	102	25	Ey	A	H	35-48	40
3.	PBW 737	NW-RI-304	0	0.0	0	0.4	83-109	97	122-166	146	92-118	101	30	Ey	A	SH-H	34-45	41
4.	WH 1142 (C)	NW-RI-301	0	0.0	tR	1.2	82-107	96	122-163	145	90-108	99	25	Ey	A	H	31-44	37
5.	HD 3043 (C)	NW-RI-305	10S	3.8	0	1.0	84-110	100	122-165	147	87-114	101	35	Ey	A	SH-H	32-45	38
6.	WH 1080 (C)	NW-RI-306	5S	1.2	0	0.2	85-107	95	121-167	145	86-107	96	15	Ey	A	SH-H	36-47	41
7.	PBW 644 (C)	NW-RI-307	10S	10.0	0	0.0	80-107	95	121-164	144	89-118	104	25	Ey	A	H	32-44	40

1. Ancillary data from Hisar, Balachaur, Modipuram, Bawal, Delhi, Digg, Gurdaspur, Jammu, Ludhiana, Pantnagar, Sriganaganagar, Bulandshahr and Uchani.
2. Lodging data from Hisar, Jammu, Ludhiana, Pantnagar and Uchani.
3. Brown rust data from Gurdaspur; Yellow rust data from Ludhiana, Gurdaspur, Jammu and Balachaur.
4. Black point data from Gurdaspur.

Individual Station Rust Data

SN	Variety	Code	Gurdaspur		Ludhiana	Jammu	Balachaur
			Br	YI	YI	YI	YI
1.	DBW 179	NW-RI-302	0	0	5S	0	10S
2.	NW 6046	NW-RI-303	0	0	0	tR	0
3.	PBW 737	NW-RI-304	0	0	0	0	0
4.	WH 1142 (C)	NW-RI-301	tR	0	0	0	0
5.	HD 3043 (C)	NW-RI-305	0	5S	10S	tR	0
6.	WH 1080 (C)	NW-RI-306	0	5S	0	0	0
7.	PBW 644 (C)	NW-RI-307	0	10S	10S	10S	10S