

**1221-AVT-IR-TS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)**

VARIETY	CODE	HARYANA														
		DELHI			HISAR			BAWAL			FARIDABAD			DWR-KARNAL		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. HUW 666	NW-TS-01	58.5	8	1	41.9	9	0	56.3	8	1	41.5	9	0	52.9	1	1
2. WH 1138	NW-TS-02	62.4	4	1	47.4	3	0	55.8	10	1	40.5	10	0	49.9	8	0
3. PBW 683	NW-TS-03	62.9	1	1	44.6	4	0	52.7	11	0	35.8	17	0	46.2	13	0
4. PBW 681	NW-TS-04	61.4	5	1	43.9	5	0	59.5	2	1	36.1	16	0	50.4	7	0
5. WH 1139	NW-TS-05	58.1	9	1	43.2	6	0	47.1	17	0	43.0	7	0	46.3	12	0
6. UP 2841	NW-TS-06	51.8	16	0	41.7	10	0	58.5	4	1	37.7	14	0	45.3	17	0
7. DBW 88*	NW-TS-07	57.6	12	1	41.1	12	0	58.1	6	1	42.3	8	0	51.4	3	0
8. HD 3086*	NW-TS-08	62.9	2	1	42.0	8	0	55.8	9	1	38.0	13	0	47.6	10	0
9. HUW 662	NW-TS-09	48.5	17	0	40.0	16	0	58.1	5	1	37.6	15	0	46.5	11	0
10. HD 3109	NW-TS-12	57.9	11	1	42.3	7	0	52.2	13	0	45.3	4	0	51.2	5	0
11. DBW 102	NW-TS-15	52.7	15	0	41.5	11	0	50.3	15	0	44.5	5	0	45.6	16	0
12. DBW 101	NW-TS-16	57.3	13	0	40.1	15	0	49.6	16	0	46.2	2	1	46.0	15	0
13. HUW 664	NW-TS-17	58.0	10	1	41.0	13	0	58.6	3	1	43.9	6	0	46.2	14	0
14. DPW 621-50 (C)	NW-TS-10	55.2	14	0	39.7	17	0	50.9	14	0	46.8	1	1	48.6	9	0
15. HD 2967 (C)	NW-TS-13	62.7	3	1	40.8	14	0	57.2	7	1	46.0	3	1	51.3	4	0
16. DBW 17 (C)	NW-TS-14	60.5	6	1	47.9	2	0	52.4	12	0	40.5	10	0	50.8	6	0
17. WH 1105 (I) (C)	NW-TS-11	59.6	7	1	52.9	1	1	60.0	1	1	40.0	12	0	51.4	2	0
G.M.		58.1			43.1			54.9			41.5			48.7		
S.E.(M)		1.910			1.435			2.078			0.273			0.508		
C.D.		5.4			4.1			5.9			0.8			1.4		
C.V.		6.6			6.7			7.6			1.3			2.1		
D.O.S.(dd.mm.yy)		14.11.12			11.11.12			19.11.12			17.11.12			20.11.12		
No. of Trials : Proposed & Conducted = 26																
Trials not Reported (05): Uchani (RMT), Kaul (LS), Dhaulakuan (LSM), Nagina (RMT), Kashipur (RMT)																

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Variety	Code	HARYANA														
		Shikohpur			Chatha			Ludhiana			Bathinda			Rauni		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. HUW 666	NW-TS-01	61.7	1	1	46.0	1	1	67.7	8	0	50.8	12	0	54.9	11	0
2. WH 1138	NW-TS-02	58.0	6	1	41.9	7	0	54.5	14	0	49.1	15	0	55.3	9	1
3. PBW 683	NW-TS-03	58.0	7	1	44.2	5	0	46.0	15	0	49.1	14	0	49.7	17	0
4. PBW 681	NW-TS-04	56.8	9	0	44.5	3	1	75.9	1	1	53.9	5	1	58.5	1	1
5. WH 1139	NW-TS-05	47.4	17	0	39.4	11	0	68.3	7	0	53.6	8	1	51.5	15	0
6. UP 2841	NW-TS-06	54.9	10	0	39.2	12	0	69.0	5	0	54.9	3	1	49.8	16	0
7. DBW 88*	NW-TS-07	54.4	12	0	44.6	2	1	57.8	13	0	55.9	1	1	56.3	7	1
8. HD 3086*	NW-TS-08	60.3	3	1	42.1	6	0	68.3	6	0	47.2	16	0	55.5	8	1
9. HUW 662	NW-TS-09	60.5	2	1	41.9	7	0	64.8	10	0	47.0	17	0	58.0	2	1
10. HD 3109	NW-TS-12	48.3	16	0	40.8	10	0	67.5	9	0	53.4	9	1	54.0	12	0
11. DBW 102	NW-TS-15	51.5	14	0	33.9	16	0	40.4	16	0	52.9	10	1	51.9	14	0
12. DBW 101	NW-TS-16	56.8	8	0	30.1	17	0	69.5	4	0	53.8	6	1	53.0	13	0
13. HUW 664	NW-TS-17	60.0	5	1	36.0	15	0	39.7	17	0	54.7	4	1	57.2	4	1
14. DPW 621-50 (C)	NW-TS-10	60.1	4	1	44.5	3	1	64.8	11	0	52.5	11	1	57.1	5	1
15. HD 2967 (C)	NW-TS-13	54.5	11	0	41.5	9	0	72.7	3	1	53.8	7	1	56.5	6	1
16. DBW 17 (C)	NW-TS-14	50.7	15	0	39.1	13	0	62.1	12	0	55.7	2	1	55.2	10	1
17. WH 1105 (I) (C)	NW-TS-11	52.4	13	0	37.5	14	0	75.6	2	1	50.3	13	0	57.5	3	1
G.M.		55.6			40.4			62.6			52.3			54.8		
S.E.(M)		1.522			0.620			2.166			1.643			1.173		
C.D.		4.3			1.8			6.2			4.7			3.3		
C.V.		5.5			3.1			6.9			6.3			4.3		
D.O.S.(dd.mm.yy)		07.11.12			20.11.12			11.11.12			20.11.12			15.11.12		

**1221-AVT-IR-TS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)**

VARIETY	CODE	PUNJAB						RAJASTHAN								
		GURDASPUR			KAPURTHALA			DURGAPURA			TABIJI			SGNAGAR		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. HUW 666	NW-TS-01	54.8	4	0	58.0	4	0	57.2	6	1	47.3	9	0	59.0	12	0
2. WH 1138	NW-TS-02	48.0	10	0	53.4	13	0	59.0	4	1	52.6	3	1	57.3	16	0
3. PBW 683	NW-TS-03	41.9	14	0	49.6	17	0	57.5	5	1	41.8	15	0	57.4	15	0
4. PBW 681	NW-TS-04	63.3	1	1	60.5	2	1	51.7	15	0	48.2	7	0	59.9	9	0
5. WH 1139	NW-TS-05	43.3	12	0	53.9	12	0	46.7	17	0	46.7	10	0	60.3	7	0
6. UP 2841	NW-TS-06	44.9	11	0	57.4	6	0	52.5	14	0	49.0	5	0	60.0	8	0
7. DBW 88*	NW-TS-07	50.6	8	0	58.4	3	0	60.6	2	1	43.3	12	0	61.0	5	0
8. HD 3086*	NW-TS-08	48.2	9	0	50.1	16	0	54.6	12	0	43.9	11	0	59.8	11	0
9. HUW 662	NW-TS-09	36.2	15	0	57.5	5	0	56.7	8	1	42.3	13	0	60.6	6	0
10. HD 3109	NW-TS-12	54.5	6	0	56.2	8	0	51.4	16	0	50.7	4	0	59.8	10	0
11. DBW 102	NW-TS-15	42.9	13	0	56.0	10	0	55.8	10	1	48.4	6	0	58.6	13	0
12. DBW 101	NW-TS-16	54.8	5	0	56.0	9	0	53.1	13	0	40.6	17	0	65.4	1	1
13. HUW 664	NW-TS-17	35.9	16	0	56.5	7	0	61.7	1	1	42.2	14	0	50.8	17	0
14. DPW 621-50 (C)	NW-TS-10	53.1	7	0	52.0	15	0	55.2	11	0	47.6	8	0	61.8	4	0
15. HD 2967 (C)	NW-TS-13	57.2	3	0	54.7	11	0	57.1	7	1	53.3	2	1	63.2	3	1
16. DBW 17 (C)	NW-TS-14	34.7	17	0	52.8	14	0	56.6	9	1	41.3	16	0	63.6	2	1
17. WH 1105 (I) (C)	NW-TS-11	58.1	2	0	60.6	1	1	60.1	3	1	53.9	1	1	57.5	14	0
G.M.		48.4			55.5			55.7			46.6			59.8		
S.E.(M)		0.908			0.696			2.159			0.734			0.848		
C.D.		2.6			2.0			6.1			2.1			2.4		
C.V.		3.8			2.5			7.7			3.1			2.8		
D.O.S.(dd.mm.yy)		19.11.12			17.11.12			15.11.12			20.11.12			20.11.12		

**1221-AVT-IR-TS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)**

VARIETY	CODE	RAJASTHAN						U.P.								
		ALWAR			BULANDSHAHR			BAREILLY			MODIPURAM			UJHANI		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. HUW 666	NW-TS-01	45.9	14	0	65.2	5	1	49.7	4	0	62.3	13	0	38.2	13	0
2. WH 1138	NW-TS-02	57.7	3	1	67.5	1	1	49.5	7	0	62.4	11	0	46.3	2	1
3. PBW 683	NW-TS-03	59.7	1	1	60.0	11	0	49.6	5	0	67.7	4	1	41.7	8	0
4. PBW 681	NW-TS-04	50.1	10	0	60.4	9	0	45.9	15	0	61.4	15	0	38.1	14	0
5. WH 1139	NW-TS-05	50.4	8	0	64.9	7	1	42.7	16	0	61.3	16	0	40.5	11	0
6. UP 2841	NW-TS-06	45.6	15	0	65.2	6	1	47.7	10	0	68.3	3	1	45.8	3	1
7. DBW 88*	NW-TS-07	42.3	17	0	66.6	2	1	49.4	8	0	67.2	5	0	45.4	4	1
8. HD 3086*	NW-TS-08	55.0	4	1	65.7	3	1	49.6	5	0	66.0	9	0	41.6	9	0
9. HUW 662	NW-TS-09	51.9	6	0	63.3	8	1	46.5	14	0	62.3	12	0	40.4	12	0
10. HD 3109	NW-TS-12	50.1	9	0	41.9	17	0	53.8	2	1	63.5	10	0	42.2	7	0
11. DBW 102	NW-TS-15	44.8	16	0	47.1	16	0	42.3	17	0	62.1	14	0	44.9	5	1
12. DBW 101	NW-TS-16	52.9	5	1	51.8	12	0	46.9	13	0	66.1	8	0	44.4	6	0
13. HUW 664	NW-TS-17	57.8	2	1	48.1	15	0	54.2	1	1	66.8	7	0	35.9	16	0
14. DPW 621-50 (C)	NW-TS-10	51.1	7	0	60.1	10	0	47.1	12	0	66.8	6	0	48.4	1	1
15. HD 2967 (C)	NW-TS-13	46.2	13	0	49.3	14	0	48.5	9	0	68.6	2	1	41.1	10	0
16. DBW 17 (C)	NW-TS-14	47.6	12	0	49.7	13	0	50.2	3	0	69.6	1	1	36.7	15	0
17. WH 1105 (I) (C)	NW-TS-11	49.3	11	0	65.4	4	1	47.4	11	0	56.8	17	0	35.2	17	0
G.M.		50.5			58.4			48.3			64.6			41.6		
S.E.(M)		2.671			2.059			1.343			0.752			1.363		
C.D.		7.6			5.8			3.8			2.1			3.9		
C.V.		10.6			7.1			5.6			2.3			6.6		
D.O.S.(dd.mm.yy)		18.11.12			20.11.12			20.11.12			20.11.12			13.11.12		

**1221-AVT-IR-TS-TAS-NWPZ, 2012-13**  
**LOCATIONWISE MEAN YIELDS (q/ha)**

Variety	Code	UTK	
		Pantnagar Yield	Rk G
1. HUW 666	NW-TS-01	44.6	11 0
2. WH 1138	NW-TS-02	49.0	4 1
3. PBW 683	NW-TS-03	46.9	7 0
4. PBW 681	NW-TS-04	51.4	1 1
5. WH 1139	NW-TS-05	46.7	8 0
6. UP 2841	NW-TS-06	45.0	10 0
7. DBW 88*	NW-TS-07	47.8	6 0
8. HD 3086*	NW-TS-08	49.9	3 1
9. HUW 662	NW-TS-09	35.0	16 0
10. HD 3109	NW-TS-12	44.1	12 0
11. DBW 102	NW-TS-15	38.8	14 0
12. DBW 101	NW-TS-16	34.1	17 0
13. HUW 664	NW-TS-17	38.6	15 0
14. DPW 621-50 (C)	NW-TS-10	48.7	5 1
15. HD 2967 (C)	NW-TS-13	42.9	13 0
16. DBW 17 (C)	NW-TS-14	45.7	9 0
17. WH 1105 (I) (C)	NW-TS-11	51.0	2 1
G.M.		44.7	
S.E.(M)		0.994	
C.D.		2.8	
C.V.		4.4	
D.O.S.(dd.mm.yy)		10.11.12	

## 1221-AVT-IR-TS-TAS-NWPZ, 2012-13

## STATE AND ZONAL MEANS (q/ha)

VARIETY	CODE	DELHI			HARYANA			J&K			PUNJAB			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. HUW 666	NW-TS-01	58.5	8	1	50.9	2	1	46.0	1	1	57.2	5	0	52.3	12	0	53.8	7	0	44.6	11	0	53.1	5	1
2. WH 1138	NW-TS-02	62.4	4	1	50.3	3	1	41.9	7	0	52.1	14	0	56.7	1	1	56.4	3	1	49.0	4	1	53.2	4	1
3. PBW 683	NW-TS-03	62.9	1	1	47.5	15	0	44.2	5	0	47.3	17	0	54.1	4	1	54.8	6	0	46.9	7	0	50.6	13	0
4. PBW 681	NW-TS-04	61.4	5	1	49.4	7	0	44.5	3	1	62.4	1	1	52.5	11	0	51.5	13	0	51.4	1	1	53.9	2	1
5. WH 1139	NW-TS-05	58.1	9	1	45.4	17	0	39.4	11	0	54.1	10	0	51.0	17	0	52.3	9	0	46.7	8	0	50.2	15	0
6. UP 2841	NW-TS-06	51.8	16	0	47.6	14	0	39.2	12	0	55.2	9	0	51.8	16	0	56.8	2	1	45.0	10	0	51.6	9	0
7. DBW 88*	NW-TS-07	57.6	12	1	49.4	6	1	44.6	2	1	55.8	8	0	51.8	15	0	57.1	1	1	47.8	6	0	52.9	7	1
8. HD 3086*	NW-TS-08	62.9	2	1	48.7	9	0	42.1	6	0	53.9	11	0	53.3	6	0	55.7	4	1	49.9	3	1	52.6	8	0
9. HUW 662	NW-TS-09	48.5	17	0	48.5	10	0	41.9	7	0	52.7	12	0	52.9	10	0	53.1	8	0	35.0	16	0	50.3	14	0
10. HD 3109	NW-TS-12	57.9	11	1	47.9	12	0	40.8	10	0	57.1	6	0	53.0	9	0	50.3	16	0	44.1	12	0	51.5	10	0
11. DBW 102	NW-TS-15	52.7	15	0	46.7	16	0	33.9	16	0	48.8	16	0	51.9	14	0	49.1	17	0	38.8	14	0	47.9	17	0
12. DBW 101	NW-TS-16	57.3	13	0	47.7	13	0	30.1	17	0	57.4	4	0	53.0	8	0	52.3	10	0	34.1	17	0	50.9	11	0
13. HUW 664	NW-TS-17	58.0	10	1	49.9	5	1	36.0	15	0	48.8	15	0	53.1	7	0	51.2	14	0	38.6	15	0	49.7	16	0
14. DPW 621-50 (C)	NW-TS-10	55.2	14	0	49.2	8	0	44.5	3	1	55.9	7	0	53.9	5	1	55.6	5	1	48.7	5	1	53.0	6	1
15. HD 2967 (C)	NW-TS-13	62.7	3	1	50.0	4	1	41.5	9	0	59.0	3	0	54.9	3	1	51.9	11	0	42.9	13	0	53.3	3	1
16. DBW 17 (C)	NW-TS-14	60.5	6	1	48.4	11	0	39.1	13	0	52.1	13	0	52.3	13	0	51.5	12	0	45.7	9	0	50.6	12	0
17. WH 1105 (I) (C)	NW-TS-11	59.6	7	1	51.3	1	1	37.5	14	0	60.4	2	1	55.2	2	1	51.2	15	0	51.0	2	1	53.9	1	1
S.E.(M)		1.910			0.694			0.620			0.733			1.043			0.840			0.994			0.371		
C.D.		5.4			1.9			1.8			2.0			2.9			2.3			2.8			1.0		

## North Western Plains Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-IR-TS-TAS, 2012-13

SN	Variety	Code	Disease Reaction					Agronomic Characteristics								Grain Characteristics			
			Br	ACI	LB	KB	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	HUW 666	NW-TS-1	10S	2.5	00	0.4	0.0	84-110	99	126-163	143	68-108	92	15	EY	A	H	30-42	37
2.	WH 1138	NW-TS-2	10S	2.5	00	0.0	0.0	84-108	96	124-159	141	82-104	95	20	EY	A	H	32-43	37
3.	PBW 683	NW-TS-3	0	0.0	00	0.4	0.0	87-110	97	129-154	142	75-104	92	20	EY	A	H	28-49	39
4.	PBW 681	NW-TS-4	5S	1.2	00	0.2	0.2	79-112	98	126-159	142	77-105	93	10	EY	A	H	30-43	37
5.	WH 1139	NW-TS-5	10S	2.5	00	0.8	0.0	83-110	97	121-158	141	78-112	98	30	EY	A	H	26-42	36
6.	UP 2841	NW-TS-6	0	0.0	00	1.4	0.0	86-111	99	127-159	142	73-98	91	30	EY	A	H	25-43	36
7.	DBW 88*	NW-TS-7	0	0.0	00	0.8	0.6	81-109	99	122-161	142	79-107	94	15	EY	A	H	33-45	37
8.	HD 3086*	NW-TS-8	5S	1.2	00	0.4	0.4	84-108	96	127-158	141	72-106	92	15	EY	A	H	34-41	37
9.	HUW 662	NW-TS-9	0	0.0	00	0.0	0.0	80-110	96	118-158	141	76-113	94	30	EY	A	H	23-41	36
10.	HD 3109	NW-TS-12	10S	2.5	00	1.2	0.8	85-112	100	126-162	142	81-115	99	15	EY	A	H	30-43	38
11.	DBW 102	NW-TS-15	5S	1.2	00	0.0	0.0	79-113	101	124-160	144	75-108	94	30	EY	A	H	30-46	37
12.	DBW 101	NW-TS-16	5S	1.2	00	0.4	1.8	87-112	99	127-162	143	80-111	99	20	EY	A	H	35-45	40
13.	HUW 664	NW-TS-17	20S	7.2	00	0.0	0.2	79-107	95	119-157	141	78-105	91	10	EY	A	H	22-42	37
14.	DPW 621-50(C)	NW-TS-10	5S	1.2	35	1.0	0.6	91-109	100	129-161	144	80-103	94	10	EY	A	H	31-42	36
15.	HD 2967 (C)	NW-TS-13	0	0.0	00	0.4	2.0	81-110	100	123-162	143	82-109	96	25	EY	A	H	29-43	39
16.	DBW 17(C)	NW-TS-14	0	0.0	00	0.8	0.0	80-110	99	122-157	142	68-98	85	35	EY	A	H	21-41	36
17.	WH 1105 (I)(C)	NW-TS-11	0	0.0	00	0.6	0.0	85-108	98	124-160	142	74-102	92	15	EY	A	H	31-42	36

1. Ancillary data from Delhi, Ludhiana, Gurdaspur, Hisar, Durgapura, Tabiji, Chatha, Bareilly, Pantnagar, Bawal, Kaul, Shikohpur, and Karnal centres.
2. Lodging data from Shikohpur, Durgapura, and Pantnagar, centres.
3. Leaf blight data from Durgapura while Karnal bunt data from Gurdaspur centres.
4. Black point data from Gurdaspur centre only.
5. Rust data from Ludhiana, Gurdaspur, Hisar, Chatha, Pantnagar, Durgapura, Shikopur and DWR, Karnal centres.
6. Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team.

**North Western Plains Zone  
AVT-IR-TS-TAS, 2012-13  
Individual Station Rust Data**

SN	Variety	Code	Ludhiana*		Gurdaspur*		Hisar	Chatha		Pantnagar	Durgapura	Shikopur	Karnal
			Br	YI	Br	YI	YI	Br	YI	YI	Br	YI	YI
1.	HUW 666	NW-TS-1	10S	20S	0	20S	0	0	5S	0	0	0	0
2.	WH 1138	NW-TS-2	10S	20S	0	10S	tS	0	5S	0	0	0	tS
3.	PBW 683	NW-TS-3	0	40S	0	40S	0	0	tR	0	0	0	0
4.	PBW 681	NW-TS-4	0	5S	0	5S	0	5S	5S	0	0	0	0
5.	WH 1139	NW-TS-5	10S	20S	0	30S	0	0	0	0	0	0	0
6.	UP 2841	NW-TS-6	0	10S	0	30S	0	0	5S	0	0	0	0
7.	DBW 88*	NW-TS-7	0	60S	0	20S	0	0	tR	0	0	0	0
8.	HD 3086*	NW-TS-8	0	20S	5S	10S	10S	0	tR	0	0	0	0
9.	HUW 662	NW-TS-9	0	60S	0	40S	0	0	tR	0	0	0	5MR
10.	HD 3109	NW-TS-12	10S	20S	0	10S	tS	0	tR	tS	0	0	0
11.	DBW 102	NW-TS-15	0	40S	0	20S	20S	5S	10S	10S	0	10S	5S
12.	DBW 101	NW-TS-16	0	20S	0	5S	40S	5S	20S	0	0	0	0
13.	HUW 664	NW-TS-17	0	60S	10S	40S	tS	0	5S	0	20S	0	0
14.	DPW 621-50(C)	NW-TS-10	0	20S	0	20S	0	5S	5S	0	0	0	0
15.	HD 2967 (C)	NW-TS-13	0	10S	0	20S	0	0	0	5S	0	0	0
16.	DBW 17(C)	NW-TS-14	0	60S	0	60S	tS	0	0	10S	0	0	0
17.	WH 1105(I) (C)	NW-TS-11	0	10S	0	5S	0	0	5S	0	0	0	0

\*Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

1222-AVT-IR-TS-TDM-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	HARYANA									PUNJAB		
		DELHI			HISAR			DWR-KARNAL			LUDHIANA		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. NIDW 706	NW-DM-01	51.4	6	0	52.5	7	0	49.8	2	0	70.3	1	1
2. HI 8738	NW-DM-02	41.0	11	0	44.4	10	0	41.0	11	0	57.5	8	0
3. HI 8735	NW-DM-03	49.1	9	0	43.6	11	0	48.5	4	0	50.3	10	0
4. HI 8728*	NW-DM-05	47.4	10	0	54.4	4	0	46.9	5	0	60.7	5	0
5. UPD 94	NW-DM-06	54.1	4	0	56.1	2	1	48.8	3	0	59.8	6	0
6. MACS 3929	NW-DM-07	53.2	5	0	44.5	9	0	46.8	6	0	57.7	7	0
7. HI 8739	NW-DM-09	49.8	8	0	53.0	5	0	46.1	8	0	54.3	9	0
8. HI 8736	NW-DM-10	51.2	7	0	58.1	1	1	42.8	10	0	63.0	3	0
9. DBW 17 (C)	NW-DM-04	61.0	1	1	55.5	3	0	46.3	7	0	35.1	11	0
10. PDW 291 (C)	NW-DM-08	55.3	3	0	46.9	8	0	45.2	9	0	61.0	4	0
11. PDW 314 (C)	NW-DM-11	56.3	2	0	52.6	6	0	52.5	1	1	66.6	2	0
G.M.		51.8			51.1			46.8			57.9		
S.E.(M)		1.224			0.881			0.565			0.921		
C.D.		3.5			2.5			1.6			2.7		
C.V.		4.7			3.5			2.4			3.2		
D.O.S.(dd.mm.yy)		14.11.12			08.11.12			15.11.12			08.11.12		

No. of Trials : Proposed & Conducted = 14

Trials not Reported (03) : Chatha (RMT), Uchani (RMT), Kaul (LS)

1222-AVT-IR-TS-TDM-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	PUNJAB									U.P.		
		KAPURTHALA			GURDASPUR			RAUNI			MODIPURAM		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. NIDW 706	NW-DM-01	47.0	8	0	49.2	6	0	49.8	6	1	54.1	9	0
2. HI 8738	NW-DM-02	48.5	5	0	53.7	3	1	43.9	11	0	51.3	11	0
3. HI 8735	NW-DM-03	52.8	2	0	46.2	9	0	52.3	3	1	57.0	6	0
4. HI 8728*	NW-DM-05	52.3	3	0	49.3	5	0	44.2	10	0	59.5	4	1
5. UPD 94	NW-DM-06	41.8	11	0	56.7	1	1	46.4	9	0	58.4	5	0
6. MACS 3929	NW-DM-07	59.6	1	1	53.7	3	1	51.9	4	1	61.1	1	1
7. HI 8739	NW-DM-09	47.5	6	0	46.4	8	0	47.4	8	0	53.1	10	0
8. HI 8736	NW-DM-10	45.0	10	0	42.6	10	0	48.8	7	1	55.1	7	0
9. DBW 17 (C)	NW-DM-04	47.0	7	0	36.5	11	0	52.9	1	1	54.9	8	0
10. PDW 291 (C)	NW-DM-08	50.1	4	0	48.0	7	0	52.9	2	1	59.7	3	1
11. PDW 314 (C)	NW-DM-11	45.2	9	0	55.7	2	1	51.3	5	1	59.9	2	1
G.M.		48.8			48.9			49.3			56.7		
S.E.(M)		1.028			1.289			1.778			0.884		
C.D.		3.0			3.7			5.1			2.6		
C.V.		4.2			5.3			7.2			3.1		
D.O.S.(dd.mm.yy)		08.11.12			07.11.12			15.11.12			08.11.12		

1222-AVT-IR-TS-TDM-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	U.P.			RAJASTHAN			UTK		
		BULANDSHAHR			DURGAPURA			PANTNAGAR		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. NIDW 706	NW-DM-01	51.4	7	0	50.1	9	0	43.4	4	0
2. HI 8738	NW-DM-02	48.5	11	0	50.5	7	0	26.7	11	0
3. HI 8735	NW-DM-03	54.8	3	1	53.9	4	0	43.3	5	0
4. HI 8728*	NW-DM-05	54.6	4	1	57.3	3	0	34.3	9	0
5. UPD 94	NW-DM-06	51.6	6	0	44.9	11	0	41.5	6	0
6. MACS 3929	NW-DM-07	50.8	8	0	60.3	2	1	40.7	7	0
7. HI 8739	NW-DM-09	60.0	1	1	52.9	6	0	39.4	8	0
8. HI 8736	NW-DM-10	54.6	5	1	50.3	8	0	27.8	10	0
9. DBW 17 (C)	NW-DM-04	50.2	10	0	46.5	10	0	44.2	3	0
10. PDW 291 (C)	NW-DM-08	55.4	2	1	62.2	1	1	44.4	2	0
11. PDW 314 (C)	NW-DM-11	50.6	9	0	53.0	5	0	52.5	1	1
G.M.		52.9			52.9			39.8		
S.E.(M)		2.268			0.683			0.747		
C.D.		6.6			2.0			2.2		
C.V.		8.6			2.6			3.8		
D.O.S.(dd.mm.yy)		20.11.12			15.11.12			10.11.12		

**1222-AVT-IR-TS-TDM-NWPZ, 2012-13**  
**STATE AND ZONAL MEANS (q/ha)**

VARIETY	CODE	DELHI			HARYANA			PUNJAB			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
1. NIDW 706	NW-DM-01	51.4	6	0	51.2	3	1	54.1	3	1	52.7	9	0	50.1	9	0	43.4	4	0	51.7	4	0
2. HI 8738	NW-DM-02	41.0	11	0	42.7	11	0	50.9	7	0	49.9	11	0	50.5	7	0	26.7	11	0	46.1	11	0
3. HI 8735	NW-DM-03	49.1	9	0	46.1	8	0	50.4	8	0	55.9	5	1	53.9	4	0	43.3	5	0	50.2	7	0
4. HI 8728*	NW-DM-05	47.4	10	0	50.7	5	0	51.6	5	0	57.0	2	1	57.3	3	0	34.3	9	0	51.0	5	0
5. UPD 94	NW-DM-06	54.1	4	0	52.5	2	1	51.2	6	0	55.0	7	1	44.9	11	0	41.5	6	0	50.9	6	0
6. MACS 3929	NW-DM-07	53.2	5	0	45.7	10	0	55.7	1	1	56.0	4	1	60.3	2	1	40.7	7	0	52.8	3	0
7. HI 8739	NW-DM-09	49.8	8	0	49.6	7	0	48.9	10	0	56.5	3	1	52.9	6	0	39.4	8	0	50.0	8	0
8. HI 8736	NW-DM-10	51.2	7	0	50.5	6	0	49.8	9	0	54.8	8	1	50.3	8	0	27.8	10	0	49.0	9	0
9. DBW 17 (C)	NW-DM-04	61.0	1	1	50.9	4	1	42.9	11	0	52.6	10	0	46.5	10	0	44.2	3	0	48.2	10	0
10. PDW 291 (C)	NW-DM-08	55.3	3	0	46.0	9	0	53.0	4	0	57.6	1	1	62.2	1	1	44.4	2	0	52.8	2	0
11. PDW 314 (C)	NW-DM-11	56.3	2	0	52.6	1	1	54.7	2	1	55.2	6	1	53.0	5	0	52.5	1	1	54.2	1	1
S.E.(M)		1.224			0.604			0.749			1.405			0.683			0.747			0.423		
C.D.		3.5			1.7			2.1			3.9			2.0			2.2			1.2		



## North Western Plains Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-IR-TS-TDM, 2012-13

SN	Variety	Code	Disease Reaction				Agronomic Characteristics								Grain Characteristics			
			LB	PM	BP	KB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	NIDW 706	NW-DM-01	34	3	0.4	0	83-107	99	125-159	142	91-107	99	30	EY	A	H	39-56	46
2.	HI 8738	NW -DM-02	34	0	1.6	0	81-108	99	126-161	144	82-97	90	20	EY	A	H	37-56	48
3.	HI 8735	NW -DM-03	24	1	0.8	0	82-109	99	129-159	145	89-106	98	40	EY	A	H	34-47	42
4.	HI 8728*	NW-DM-05	12	5	1.2	0	81-110	98	129-158	144	81-103	91	50	EY	A	H	34-58	46
5.	UPD 94	NW-DM-06	34	5	5	0	90-113	103	127-158	143	85-100	91	35	EY	A	H	37-43	40
6.	MACS 3929	NW-DM-07	34	0	1.2	0	83-110	100	124-160	144	94-104	99	25	EY	A	H	29-47	38
7.	HI 8739	NW-DM-09	14	0	5	0.2	78-109	98	129-160	144	85-99	90	25	EY	A	H	37-55	44
8.	HI 8736	NW-DM-10	22	1	4	0	82-109	99	128-162	145	85-102	91	20	EY	A	H	34-58	47
9.	DBW 17 (C)	NW-DM-04	23	0	4.8	0.2	91-107	99	136-156	145	82-97	89	15	EY	A	H	29-49	37
10.	PDW 291 (C)	NW-DM-08	24	0	18.8	0	92-114	105	136-162	148	80-92	86	5	EY	A	H	36-54	46
11.	PDW 314 (C)	NW-DM-11	11	4	0	0	90-115	105	133-161	147	86-94	90	0	EY	A	H	35-46	40

1. Ancillary data from Delhi, Ludhiana, Gurdaspur, Hisar, Durgapura, Kaul, Pantnagar, Karnal and Lodging data from Hisar and Pantnagar centres.
2. Rust data from Gurdaspur, Karnal, Ludhiana, Pantnagar, Hisar and Powdery mildew data from Ludhiana, and Karnal centres.
3. Leaf blight data from Ludhiana while karnal bunt from Gurdaspur centres and Black point data from Hisar Gurdaspur and Ludhiana centres.
4. Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

### Individual Station Rust Data

SN	Variety	Code	Ludhiana*	Gurdaspur*	DWR-Karnal	Hisar	Pantnagar
			YI	YI	YI	YI	YI
1.	NIDW 706	NW-DM-01	15S	0	0	0	0
2.	HI 8738	NW -DM-02	10S	10S	0	10S	0
3.	HI 8735	NW -DM-03	30S	10S	0	5S	0
4.	HI 8728*	NW-DM-05	5R	0	0	5S	0
5.	UPD 94	NW-DM-06	5R	tR	0	10S	0
6.	MACS 3929	NW-DM-07	20MR	5S	0	20S	0
7.	HI 8739	NW-DM-09	10R	0	0	10S	0
8.	HI 8736	NW-DM-10	5MR	0	0	10S	0
9.	DBW 17 (C)	NW-DM-04	60S	40S	20S	0	20S
10.	PDW 291 (C)	NW-DM-08	30S	5S	tS	10S	0
11.	PDW 314 (C)	NW-DM-11	10S	tR	0	0	0

\*Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

1223-AVT-IR-LS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	DELHI			HARYANA											
					KAUL			HISAR			DWR-KARNAL			UCHANI		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. K 1114	NW-LS-01	43.2	14	0	38.7	2	1	41.4	9	0	46.5	10	0	38.9	15	0
2. HUW 668	NW-LS-02	47.9	9	0	36.4	6	1	43.1	7	1	44.5	15	0	46.6	10	0
3. NIAW 1951	NW-LS-03	44.0	13	0	36.2	7	1	40.5	13	0	44.6	14	0	38.5	16	0
4. HD 3091*	NW-LS-05	46.8	11	0	37.9	3	1	41.4	10	0	52.1	6	0	47.4	7	1
5. WH 1128	NW-LS-06	48.6	8	1	37.9	3	1	43.6	4	1	48.9	9	0	47.3	8	1
6. WH 1130	NW-LS-09	44.8	12	0	32.3	12	0	40.5	14	0	45.3	13	0	45.6	12	0
7. WH 1124*	NW-LS-10	52.1	5	1	37.4	5	1	43.7	3	1	52.4	5	0	51.7	3	1
8. HD 3119	NW-LS-11	43.0	16	0	30.8	15	0	39.2	17	0	51.5	7	0	52.0	2	1
9. UP 2843	NW-LS-12	42.8	17	0	35.6	8	0	40.6	12	0	42.5	16	0	38.4	17	0
10. HD 3117	NW-LS-13	52.4	2	1	35.6	8	0	40.8	11	0	55.1	1	1	48.5	5	1
11. WH 1129	NW-LS-14	52.3	3	1	32.3	12	0	43.3	5	1	53.2	3	0	52.5	1	1
12. DBW 90*	NW-LS-17	52.2	4	1	34.1	11	0	44.2	2	1	53.1	4	0	47.7	6	1
13. PBW 590 (C)	NW-LS-07	51.9	6	1	31.3	14	0	42.3	8	0	49.7	8	0	45.9	11	0
14. PBW 373 (C)	NW-LS-08	47.9	10	0	28.5	17	0	40.5	16	0	31.9	17	0	43.4	14	0
15. WH 1021 (C)	NW-LS-16	43.1	15	0	30.0	16	0	43.3	5	1	45.5	12	0	47.2	9	1
16. DBW 71 (I) (C)	NW-LS-04	48.8	7	1	40.0	1	1	40.5	14	0	46.3	11	0	44.0	13	0
17. HD 3059 (I) (C)	NW-LS-15	52.6	1	1	35.6	8	0	44.9	1	1	53.5	2	0	50.6	4	1
G.M.		47.9			34.8			42.0			48.0			46.2		
S.E.(M)		1.609			1.470			0.826			0.517			2.029		
C.D.		4.6			4.2			2.3			1.5			5.8		
C.V.		6.7			8.5			3.9			2.2			8.8		
D.O.S.(dd.mm.yy)		18.12.12			11.12.12			15.12.12			19.12.12			15.12.12		

No. of Trials : Proposed & Conducted = 22

Trials not Reported (03) : Bathinda (RMT), Kashipur (RMT), Chatha (RMT)

1223-AVT-IR-LS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	HARYANA			PUNJAB			RAJASTHAN								
		ROHTAK			LUDHIANA			KAPURTHALA			GURDASPUR			DURGAPURA		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. K 1114	NW-LS-01	46.8	9	0	52.7	4	0	34.5	16	0	34.2	13	0	39.4	11	0
2. HUW 668	NW-LS-02	46.5	11	0	36.8	15	0	37.8	14	0	31.9	14	0	39.1	12	0
3. NIAW 1951	NW-LS-03	43.5	16	0	37.8	13	0	40.0	11	0	31.7	15	0	40.6	7	0
4. HD 3091*	NW-LS-05	49.5	2	1	52.5	6	0	44.4	3	1	40.7	8	0	39.0	13	0
5. WH 1128	NW-LS-06	46.8	9	0	51.6	8	0	43.5	6	0	40.4	9	0	42.9	3	1
6. WH 1130	NW-LS-09	44.4	14	0	52.6	5	0	44.3	4	1	41.0	7	0	35.4	17	0
7. WH 1124*	NW-LS-10	49.8	1	1	47.2	9	0	40.5	9	0	50.3	1	1	39.8	8	0
8. HD 3119	NW-LS-11	48.8	4	1	42.9	10	0	42.6	7	0	49.7	2	1	41.8	4	0
9. UP 2843	NW-LS-12	41.7	17	0	37.6	14	0	37.8	14	0	36.1	11	0	36.6	15	0
10. HD 3117	NW-LS-13	47.2	8	0	56.1	1	1	45.1	2	1	39.3	10	0	46.5	1	1
11. WH 1129	NW-LS-14	44.9	13	0	52.0	7	0	44.2	5	1	48.3	4	1	41.3	5	0
12. DBW 90*	NW-LS-17	48.4	5	1	38.3	12	0	46.5	1	1	46.0	5	0	44.0	2	1
13. PBW 590 (C)	NW-LS-07	47.9	6	0	33.7	17	0	40.5	9	0	30.9	16	0	36.0	16	0
14. PBW 373 (C)	NW-LS-08	49.1	3	1	34.1	16	0	30.9	17	0	30.1	17	0	37.3	14	0
15. WH 1021 (C)	NW-LS-16	46.3	12	0	53.4	2	0	38.4	13	0	35.2	12	0	39.6	10	0
16. DBW 71 (I) (C)	NW-LS-04	44.2	15	0	53.2	3	0	42.1	8	0	42.1	6	0	39.8	8	0
17. HD 3059 (I) (C)	NW-LS-15	47.5	7	0	40.2	11	0	38.5	12	0	49.0	3	1	41.3	5	0
G.M.		46.7			45.4			40.7			39.8			40.0		
S.E.(M)		0.556			0.861			0.902			1.083			1.396		
C.D.		1.6			2.4			2.6			3.1			4.0		
C.V.		2.4			3.8			4.4			5.4			7.0		
D.O.S.(dd.mm.yy)		15.12.12			16.12.12			21.12.12			17.12.12			19.12.12		

1223-AVT-IR-LS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	RAJASTHAN									U.P.					
		TABIJI			SRIGANGANAGAR			ALWAR			NAGINA			BULANDSHAHR		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. K 1114	NW-LS-01	31.7	12	0	54.2	10	0	33.4	14	0	38.3	8	0	33.9	8	0
2. HUW 668	NW-LS-02	29.1	16	0	43.3	17	0	34.3	12	0	37.8	11	0	41.1	2	1
3. NIAW 1951	NW-LS-03	32.8	8	0	60.9	3	0	33.1	15	0	38.1	9	0	33.3	10	0
4. HD 3091*	NW-LS-05	34.0	7	0	62.4	2	0	35.3	9	0	36.0	15	0	36.8	4	0
5. WH 1128	NW-LS-06	36.5	2	1	50.6	16	0	38.1	5	0	39.0	4	0	41.8	1	1
6. WH 1130	NW-LS-09	36.2	3	0	53.1	13	0	38.8	4	1	36.3	14	0	34.3	7	0
7. WH 1124*	NW-LS-10	29.1	15	0	55.3	9	0	36.5	7	0	40.9	1	1	30.7	13	0
8. HD 3119	NW-LS-11	32.2	9	0	56.7	7	0	34.4	11	0	38.5	6	0	25.7	17	0
9. UP 2843	NW-LS-12	35.2	5	0	56.1	8	0	33.6	13	0	37.0	13	0	34.9	6	0
10. HD 3117	NW-LS-13	31.9	11	0	60.0	4	0	37.2	6	0	38.7	5	0	33.8	9	0
11. WH 1129	NW-LS-14	38.5	1	1	51.9	15	0	35.2	10	0	38.0	10	0	32.7	12	0
12. DBW 90*	NW-LS-17	28.2	17	0	66.6	1	1	30.0	17	0	36.0	15	0	27.5	15	0
13. PBW 590 (C)	NW-LS-07	30.7	14	0	58.3	5	0	40.9	2	1	37.5	12	0	36.8	5	0
14. PBW 373 (C)	NW-LS-08	35.0	6	0	53.6	12	0	35.4	8	0	39.1	3	1	33.0	11	0
15. WH 1021 (C)	NW-LS-16	32.2	9	0	52.7	14	0	44.0	1	1	35.6	17	0	27.3	16	0
16. DBW 71 (I) (C)	NW-LS-04	35.9	4	0	56.9	6	0	31.6	16	0	38.5	6	0	37.6	3	0
17. HD 3059 (I) (C)	NW-LS-15	30.8	13	0	53.8	11	0	39.1	3	1	39.5	2	1	27.7	14	0
G.M.		32.9			55.7			35.9			37.9			33.5		
S.E.(M)		0.806			1.051			2.047			0.629			1.274		
C.D.		2.3			3.0			5.8			1.8			3.6		
C.V.		4.9			3.8			11.4			3.3			7.6		
D.O.S.(dd.mm.yy)		17.12.12			19.12.12			18.12.12			18.12.12			19.12.12		

1223-AVT-IR-LS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	U.P.						UTK					
		BAREILLY		MODIPURAM		UJHANI		PANTNAGAR					
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. K 1114	NW-LS-01	36.9	16	0	50.0	8	0	44.2	9	0	25.9	13	0
2. HUW 668	NW-LS-02	40.5	8	0	42.7	17	0	45.4	7	1	41.9	3	1
3. NIAW 1951	NW-LS-03	39.1	11	0	44.3	16	0	43.2	11	0	22.7	17	0
4. HD 3091*	NW-LS-05	41.9	6	1	50.3	7	0	45.9	5	1	40.9	5	1
5. WH 1128	NW-LS-06	38.4	13	0	49.6	9	0	41.8	13	0	38.6	6	0
6. WH 1130	NW-LS-09	38.4	13	0	51.3	5	0	33.9	17	0	29.4	10	0
7. WH 1124*	NW-LS-10	44.6	2	1	51.4	4	0	49.2	2	1	33.8	8	0
8. HD 3119	NW-LS-11	41.9	6	1	54.1	2	1	49.2	2	1	24.8	14	0
9. UP 2843	NW-LS-12	39.8	9	0	46.8	13	0	41.4	14	0	24.3	15	0
10. HD 3117	NW-LS-13	44.7	1	1	54.8	1	1	47.7	4	1	30.5	9	0
11. WH 1129	NW-LS-14	37.6	15	0	48.4	12	0	44.7	8	0	27.1	12	0
12. DBW 90*	NW-LS-17	43.5	3	1	48.4	11	0	49.4	1	1	44.6	1	1
13. PBW 590 (C)	NW-LS-07	42.7	4	1	46.7	14	0	42.4	12	0	28.2	11	0
14. PBW 373 (C)	NW-LS-08	42.6	5	1	45.4	15	0	43.6	10	0	41.9	3	1
15. WH 1021 (C)	NW-LS-16	36.2	17	0	49.1	10	0	39.8	15	0	23.1	16	0
16. DBW 71 (I) (C)	NW-LS-04	39.7	10	0	50.8	6	0	37.6	16	0	44.2	2	1
17. HD 3059 (I) (C)	NW-LS-15	39.0	12	0	53.7	3	1	45.7	6	1	35.1	7	0
G.M.		40.4			49.3			43.8			32.8		
S.E.(M)		1.274			0.725			1.646			1.320		
C.D.		3.6			2.1			4.7			3.7		
C.V.		6.3			2.9			7.5			8.1		
D.O.S.(dd.mm.yy)		22.12.12			22.12.12			15.12.12			21.12.12		

## 1223-AVT-IR-LS-TAS-NWPZ, 2012-13

## STATE AND ZONAL MEANS (q/ha)

VARIETY	CODE	DELHI			HARYANA			PUNJAB			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
1. K 1114	NW-LS-01	43.2	14	0	42.5	13	0	40.5	12	0	39.7	16	0	40.7	12	0	25.9	13	0	40.3	13	0
2. HUW 668	NW-LS-02	47.9	9	0	43.4	10	0	35.5	15	0	36.5	17	0	41.5	6	0	41.9	3	1	40.4	12	0
3. NIAW 1951	NW-LS-03	44.0	13	0	40.7	15	0	36.5	14	0	41.8	6	1	39.6	15	0	22.7	17	0	39.2	15	0
4. HD 3091*	NW-LS-05	46.8	11	0	45.7	3	1	45.9	5	0	42.7	2	1	42.2	3	0	40.9	5	1	44.0	3	1
5. WH 1128	NW-LS-06	48.6	8	1	44.9	7	0	45.2	7	0	42.0	5	1	42.1	4	0	38.6	6	0	43.5	5	0
6. WH 1130	NW-LS-09	44.8	12	0	41.6	14	0	46.0	4	0	40.9	12	0	38.9	16	0	29.4	10	0	41.0	10	0
7. WH 1124*	NW-LS-10	52.1	5	1	47.0	1	1	46.0	3	0	40.2	15	0	43.3	2	1	33.8	8	0	44.0	2	1
8. HD 3119	NW-LS-11	43.0	16	0	44.5	8	0	45.1	8	0	41.3	9	0	41.9	5	0	24.8	14	0	42.1	9	0
9. UP 2843	NW-LS-12	42.8	17	0	39.8	16	0	37.2	13	0	40.4	13	0	40.0	14	0	24.3	15	0	38.9	17	0
10. HD 3117	NW-LS-13	52.4	2	1	45.5	5	1	46.8	2	1	43.9	1	1	43.9	1	1	30.5	9	0	44.5	1	1
11. WH 1129	NW-LS-14	52.3	3	1	45.3	6	1	48.2	1	1	41.7	7	1	40.3	13	0	27.1	12	0	43.1	6	0
12. DBW 90*	NW-LS-17	52.2	4	1	45.5	4	1	43.6	9	0	42.2	3	1	41.0	9	0	44.6	1	1	43.6	4	1
13. PBW 590 (C)	NW-LS-07	51.9	6	1	43.4	9	0	35.0	16	0	41.5	8	0	41.2	7	0	28.2	11	0	40.8	11	0
14. PBW 373 (C)	NW-LS-08	47.9	10	0	38.7	17	0	31.7	17	0	40.3	14	0	40.7	11	0	41.9	3	1	39.1	16	0
15. WH 1021 (C)	NW-LS-16	43.1	15	0	42.5	12	0	42.4	11	0	42.1	4	1	37.6	17	0	23.1	16	0	40.1	14	0
16. DBW 71 (I) (C)	NW-LS-04	48.8	7	1	43.0	11	0	45.8	6	0	41.1	11	0	40.8	10	0	44.2	2	1	42.8	8	0
17. HD 3059 (I) (C)	NW-LS-15	52.6	1	1	46.4	2	1	42.6	10	0	41.2	10	0	41.1	8	0	35.1	7	0	43.1	7	0
S.E.(M)		1.609			0.634			0.635			0.811			0.606			1.320			0.329		
C.D.		4.6			1.8			1.8			2.2			1.7			3.7			0.9		

## North Western Plains Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-IR-LS-TAS, 2012-13

SN	Variety	Code	Disease Reaction					Agronomic Characteristics								Grain Characteristics			
			Br	ACI	PM	KB	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	K 1114	NW-LS-01	0	0.0	5	0	1	69-96	81	111-132	121	71-100	87	10	EY	A	H	34-45	38
2	HUW 668	NW-LS-02	0	0.0	5	0.2	1	76-100	87	118-137	124	68-99	86	0	EY	A	H	32-42	36
3	NIAW 1951	NW-LS-03	tS	0.1	5	0	0	72-98	84	114-133	122	76-98	90	10	EY	A	H	29-41	36
4	HD 3091*	NW-LS-05	tR	0.0	3	0	0	75-100	87	115-136	123	74-100	88	5	EY	A	H	28-39	33
5	WH 1128	NW-LS-06	0	0.0	3	0	0.2	76-100	87	116-135	124	72-102	89	30	EY	A	H	33-42	36
6	WH 1130	NW-LS-09	10S	2.5	5	0	0	76-99	87	114-136	123	79-99	89	30	EY	A	H	33-43	36
7	WH 1124*	NW-LS-10	10S	2.3	5	0	0	75-100	86	116-134	123	76-101	89	5	EY	A	H	30-40	36
8	HD 3119	NW-LS-11	0	0.0	3	0	0	77-100	88	114-132	123	74-102	91	25	EY	A	H	25-40	33
9	UP 2843	NW-LS-12	0	0.0	1	0	0	74-97	84	116-130	122	72-104	86	10	EY	A	H	29-40	35
10	HD 3117	NW-LS-13	0	0.0	3	0	0	77-101	88	116-134	124	78-105	94	20	EY	A	H	30-41	35
11	WH 1129	NW-LS-14	tR	0.0	3	0	0	79-101	90	118-137	124	75-95	86	5	EY	A	H	31-43	38
12	DBW 90*	NW-LS-17	10S	3.3	5	0	0	74-98	85	116-134	123	76-100	89	5	EY	A	H	22-41	36
13	PBW 590 (C)	NW-LS-07	10S	1.6	3	0	0	74-96	85	114-131	122	64-90	78	10	EY	A	H	22-40	34
14	PBW 373 (C)	NW-LS-08	30S	8.3	5	0	0	78-98	89	117-136	124	67-100	86	0	EY	A	H	21-44	34
15	WH 1021(C)	NW-LS-16	10S	1.6	5	0	0.2	77-99	87	114-131	123	75-103	92	10	EY	A	H	30-43	36
16	DBW 71 (I)(C)	NW-LS-04	5S	0.8	5	0	2.5	73-97	83	115-133	122	69-98	87	5	EY	A	H	33-41	36
17	HD 3059 (I)(C)	NW-LS-15	tR	0.0	3	0	0	78-100	87	116-136	124	74-100	89	10	EY	A	H	30-42	36

1. Ancillary data from Delhi, Ludhiana, Gurdaspur, Hisar, Karnal, Rohtak, Kaul, Uchani, Nagina, Bareilly, Durgapura, and Pantnagar centres.
2. Lodging data from Rohtak, Uchani, Pantnagar and Delhi centres.
3. Rust data from Delhi, Ludhiana, Gurdaspur, Hisar, Karnal, Pantnagar, Durgapura and Rohtak centres.
4. Powdery mildew data from DWR, Karnal centre only.
5. Karnal bunt and black point data from Gurdaspur centre only.
6. Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

**North Western Plains Zone  
AVT-IR-LS-TAS, 2012-13  
Individual Station Rust Data**

SN	Variety	Code	Hisar	Gurdaspur*		Ludhiana*		DWR-Karnal		Rohtak		Delhi		Pantnagar	Durgapura
			YI	Br	YI	Br	YI	Br	YI	Br	YI	Br	YI	Br	
1.	K 1114	NW-LS-01	0	0	30S	0	60S	0	5MR	0	tS	0	0	0	0
2.	HUW 668	NW-LS-02	20S	0	30S	0	60S	0	10MS	0	tS	0	0	0	0
3.	NIAW 1951	NW-LS-03	40S	0	30S	0	40S	0	10S	0	10S	0	0	5S	0
4.	HD 3091*	NW-LS-05	20S	0	20S	0	40S	0	10S	0	tS	tR	0	0	0
5.	WH 1128	NW-LS-06	0	0	10S	0	40S	0	5MR	0	0	0	0	0	0
6.	WH 1130	NW-LS-09	0	10S	10S	0	20S	0	5S	0	0	5S	0	0	0
7.	WH 1124*	NW-LS-10	40S	10S	10S	0	20S	0	5MR	0	0	5MS	0	0	0
8.	HD 3119	NW-LS-11	0	0	5S	0	20S	0	0	0	0	0	tR	0	0
9.	UP 2843	NW-LS-12	0	0	30S	0	60S	0	10S	0	tS	0	0	0	0
10.	HD 3117	NW-LS-13	30S	0	20S	0	20S	0	10S	0	0	0	0	0	0
11.	WH 1129	NW-LS-14	0	tR	tR	0	20S	0	0	0	0	0	0	0	0
12.	DBW 90*	NW-LS-17	10S	10S	10S	10S	10S	0	5MR	0	0	0	0	5S	0
13.	PBW 590 (C)	NW-LS-07	20S	0	40S	10S	60S	0	10S	0	tS	0	0	0	0
14.	PBW 373 (C)	NW-LS-08	60S	0	40S	10S	40S	10S	20S	10S	20S	0	5MS	30S	30S
15.	WH 1021(C)	NW-LS-16	10S	0	20S	0	20S	0	10S	0	10S	0	0	5S	10S
16.	DBW 71 (I)(C)	NW-LS-04	40S	0	10S	0	20S	0	10S	0	0	0	0	0	5S
17.	HD 3059 (I)(C)	NW-LS-15	0	0	10S	0	10S	0	5MR	0	0	tR	0	0	0

\*Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

1224-AVT-RF-TS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	DELHI			HARYANA			H.P.			J&K			PUNJAB		
					HISAR			DHAULAKUAN			CHATHA			LUDHIANA		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. PBW 675*	NW-RF-01	43.0	2	1	31.6	15	0	16.9	11	0	43.1	1	1	29.8	17	0
2. PBW 674*	NW-RF-02	29.3	17	0	25.1	20	0	21.3	2	1	37.7	5	0	36.9	9	0
3. UP 2847	NW-RF-03	32.5	14	0	38.5	5	0	16.9	10	0	35.1	9	0	35.8	12	0
4. JAUW 598	NW-RF-04	27.6	19	0	38.4	6	0	16.7	12	0	32.7	13	0	25.4	19	0
5. DBW 74**	NW-RF-05	34.1	11	0	39.2	4	0	16.1	13	0	38.5	3	0	33.5	15	0
6. UP 2848	NW-RF-06	41.2	4	1	37.9	8	0	14.0	17	0	37.7	5	0	35.1	14	0
7. WH 1098**	NW-RF-08	34.8	10	0	40.4	2	1	18.7	6	0	32.7	13	0	36.1	11	0
8. HD 3121	NW-RF-09	32.9	13	0	30.6	17	0	15.7	14	0	31.9	16	0	43.6	3	0
9. WH 1126*	NW-RF-10	29.4	16	0	36.1	11	0	13.4	19	0	37.9	4	0	39.3	8	0
10. HUW 669	NW-RF-11	33.3	12	0	25.2	19	0	15.2	16	0	35.4	8	0	35.5	13	0
11. DBW 110	NW-RF-12	41.0	6	1	44.0	1	1	13.4	19	0	33.5	11	0	41.8	5	0
12. HD 3122	NW-RF-14	41.0	5	1	37.1	10	0	13.4	18	0	32.9	12	0	47.6	2	1
13. PBW 689	NW-RF-16	40.4	7	1	30.9	16	0	18.0	8	0	33.8	10	0	26.2	18	0
14. PBW 660**	NW-RF-17	34.9	9	0	36.1	12	0	22.0	1	1	25.6	18	0	47.8	1	1
15. HD 3123	NW-RF-19	43.4	1	1	35.9	13	0	18.5	7	0	24.6	19	0	43.4	4	0
16. WH 1127*	NW-RF-20	29.5	15	0	38.3	7	0	17.3	9	0	42.9	2	1	36.9	9	0
17. PBW 644 (C)	NW-RF-07	41.9	3	1	37.5	9	0	19.2	4	0	36.7	7	0	41.2	7	0
18. WH 1080 (C)	NW-RF-13	38.2	8	1	40.0	3	1	15.6	15	0	29.8	17	0	41.5	6	0
19. C 306 (C)	NW-RF-15	18.6	20	0	26.3	18	0	19.1	5	0	22.9	20	0	25.3	20	0
20. PBW 175 (C)	NW-RF-18	27.6	18	0	33.6	14	0	19.3	3	0	32.7	13	0	33.5	16	0
G.M.		34.7			35.1			17.0			33.9			36.8		
S.E.(M)		2.048			1.558			0.432			0.844			1.156		
C.D.		5.8			4.4			1.2			2.4			3.3		
C.V.		11.8			8.9			5.1			5.0			6.3		
D.O.S.(dd.mm.yy)		30.10.12			31.10.12			26.10.12			31.10.12			26.10.12		

\*\* Repeat AVT 2nd year entries from 2011-12

No. of Trials : Proposed & Conducted = 11

Trials not Reported (01) : Modipuram (UY)

1224-AVT-RF-TS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	PUNJAB						UTK			RAJASTHAN					
		KAPURTHALA			BALACHAUR			GURDASPUR			PANTNAGAR			DIGGI		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. PBW 675*	NW-RF-01	43.5	2	1	41.4	4	1	37.3	16	0	34.5	10	0	29.3	16	0
2. PBW 674*	NW-RF-02	41.6	4	1	34.9	16	0	37.8	15	0	28.5	17	0	30.8	6	1
3. UP 2847	NW-RF-03	31.8	16	0	35.2	15	0	39.7	13	0	41.5	1	1	30.2	9	1
4. JAUW 598	NW-RF-04	33.8	13	0	42.3	2	1	36.3	17	0	33.6	12	0	31.1	5	1
5. DBW 74**	NW-RF-05	32.1	15	0	39.3	8	0	43.1	8	0	27.6	19	0	28.6	20	0
6. UP 2848	NW-RF-06	29.3	20	0	38.8	10	0	38.1	14	0	30.0	15	0	29.3	15	0
7. WH 1098**	NW-RF-08	36.1	9	0	29.2	20	0	44.8	7	0	27.5	20	0	29.6	13	0
8. HD 3121	NW-RF-09	34.9	12	0	35.6	14	0	41.4	11	0	32.0	14	0	32.7	3	1
9. WH 1126*	NW-RF-10	32.5	14	0	33.4	18	0	47.2	4	1	39.4	2	1	33.9	1	1
10. HUW 669	NW-RF-11	41.8	3	1	34.2	17	0	45.8	6	0	34.7	8	0	30.0	11	1
11. DBW 110	NW-RF-12	31.3	17	0	44.7	1	1	48.8	2	1	38.0	5	0	32.1	4	1
12. HD 3122	NW-RF-14	35.8	10	0	41.5	3	1	47.9	3	1	38.2	4	0	28.9	17	0
13. PBW 689	NW-RF-16	38.3	7	0	38.7	11	0	35.7	18	0	33.7	11	0	28.7	18	0
14. PBW 660**	NW-RF-17	43.8	1	1	40.9	6	1	49.3	1	1	37.8	6	0	30.1	10	1
15. HD 3123	NW-RF-19	40.9	5	0	41.0	5	1	40.3	12	0	34.9	7	0	30.2	8	1
16. WH 1127*	NW-RF-20	35.4	11	0	38.5	12	0	42.2	10	0	39.4	2	1	33.1	2	1
17. PBW 644 (C)	NW-RF-07	38.1	8	0	37.3	13	0	46.4	5	0	27.7	18	0	29.4	14	0
18. WH 1080 (C)	NW-RF-13	30.8	18	0	39.5	7	0	42.3	9	0	34.6	9	0	28.7	18	0
19. C 306 (C)	NW-RF-15	29.9	19	0	32.3	19	0	27.9	20	0	29.8	16	0	30.4	7	1
20. PBW 175 (C)	NW-RF-18	40.5	6	0	39.1	9	0	33.4	19	0	32.6	13	0	30.0	12	1
G.M.		36.1			37.9			41.3			33.8			30.4		
S.E.(M)		0.964			1.691			0.921			1.043			1.382		
C.D.		2.7			4.8			2.6			3.0			3.9		
C.V.		5.3			8.9			4.5			6.2			9.1		
D.O.S.(dd.mm.yy)		29.10.12			30.10.12			31.10.12			30.10.12			30.10.12		

## 1224-AVT-RF-TS-TAS-NWPZ, 2012-13

## STATE AND ZONAL MEANS (q/ha)

VARIETY	CODE	DELHI		HARYANA		H.P.		J&K		PUNJAB		UTK		RAJASTHAN		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. PBW 675*	NW-RF-01	43.0	2 1	31.6	15 0	16.9	11 0	43.1	1 1	38.0	11 0	34.5	10 0	29.3	16 0	35.0	7 0
2. PBW 674*	NW-RF-02	29.3	17 0	25.1	20 0	21.3	2 1	37.7	5 0	37.8	12 0	28.5	17 0	30.8	6 1	32.4	17 0
3. UP 2847	NW-RF-03	32.5	14 0	38.5	5 0	16.9	10 0	35.1	9 0	35.6	16 0	41.5	1 1	30.2	9 1	33.7	10 0
4. JAUW 598	NW-RF-04	27.6	19 0	38.4	6 0	16.7	12 0	32.7	13 0	34.5	19 0	33.6	12 0	31.1	5 1	31.8	19 0
5. DBW 74**	NW-RF-05	34.1	11 0	39.2	4 0	16.1	13 0	38.5	3 0	37.0	13 0	27.6	19 0	28.6	20 0	33.2	11 0
6. UP 2848	NW-RF-06	41.2	4 1	37.9	8 0	14.0	17 0	37.7	5 0	35.3	17 0	30.0	15 0	29.3	15 0	33.1	12 0
7. WH 1098**	NW-RF-08	34.8	10 0	40.4	2 1	18.7	6 0	32.7	13 0	36.6	15 0	27.5	20 0	29.6	13 0	33.0	15 0
8. HD 3121	NW-RF-09	32.9	13 0	30.6	17 0	15.7	14 0	31.9	16 0	38.9	7 0	32.0	14 0	32.7	3 1	33.1	13 0
9. WH 1126*	NW-RF-10	29.4	16 0	36.1	11 0	13.4	19 0	37.9	4 0	38.1	10 0	39.4	2 1	33.9	1 1	34.3	8 0
10. HUW 669	NW-RF-11	33.3	12 0	25.2	19 0	15.2	16 0	35.4	8 0	39.3	6 0	34.7	8 0	30.0	11 1	33.1	14 0
11. DBW 110	NW-RF-12	41.0	6 1	44.0	1 1	13.4	19 0	33.5	11 0	41.6	3 0	38.0	5 0	32.1	4 1	36.9	1 1
12. HD 3122	NW-RF-14	41.0	5 1	37.1	10 0	13.4	18 0	32.9	12 0	43.2	2 0	38.2	4 0	28.9	17 0	36.4	3 1
13. PBW 689	NW-RF-16	40.4	7 1	30.9	16 0	18.0	8 0	33.8	10 0	34.7	18 0	33.7	11 0	28.7	18 0	32.4	16 0
14. PBW 660**	NW-RF-17	34.9	9 0	36.1	12 0	22.0	1 1	25.6	18 0	45.4	1 1	37.8	6 0	30.1	10 1	36.8	2 1
15. HD 3123	NW-RF-19	43.4	1 1	35.9	13 0	18.5	7 0	24.6	19 0	41.4	4 0	34.9	7 0	30.2	8 1	35.3	6 0
16. WH 1127*	NW-RF-20	29.5	15 0	38.3	7 0	17.3	9 0	42.9	2 1	38.3	9 0	39.4	2 1	33.1	2 1	35.3	5 0
17. PBW 644 (C)	NW-RF-07	41.9	3 1	37.5	9 0	19.2	4 0	36.7	7 0	40.7	5 0	27.7	18 0	29.4	14 0	35.5	4 0
18. WH 1080 (C)	NW-RF-13	38.2	8 1	40.0	3 1	15.6	15 0	29.8	17 0	38.5	8 0	34.6	9 0	28.7	18 0	34.1	9 0
19. C 306 (C)	NW-RF-15	18.6	20 0	26.3	18 0	19.1	5 0	22.9	20 0	28.9	20 0	29.8	16 0	30.4	7 1	26.3	20 0
20. PBW 175 (C)	NW-RF-18	27.6	18 0	33.6	14 0	19.3	3 0	32.7	13 0	36.6	14 0	32.6	13 0	30.0	12 1	32.2	18 0
S.E.(M)		2.048		1.558		0.432		0.844		0.705		1.043		1.382		0.47	
C.D.		5.8		4.4		1.2		2.4		2.0		3.0		3.9		1.3	



## North Western Plains Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-RF-TS-TAS, 2012-13

SN	Variety	Code	Disease Reaction				Agronomic Characteristics								Grain Characteristics			
			Br	ACI	KB	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	PBW 675*	NW -RF-01	0	0.0	0	0	92-118	102	135-165	152	85-121	99	5	EY	A	SH-H	35-48	41
2.	PBW 674*	NW -RF-02	0	0.0	0.4	0.4	89-117	109	130-169	154	95-130	114	5	EY	A	H	37-54	45
3.	UP 2847	NW -RF-03	0	0.0	0	0	90-117	105	134-165	152	93-112	102	5	EY	A	H	37-55	46
4.	JAUW 598	NW -RF-04	10S	3.3	0.8	0.2	92-121	105	137-169	153	72-104	93	5	EY	A	H	32-43	39
5.	DBW 74**	NW -RF-05	tR	0.1	0.4	0	88-120	106	132-165	151	79-106	96	0	EY	A	H	35-44	39
6.	UP 2848	NW -RF-06	0	0.0	0.4	0.2	86-117	101	130-165	150	78-116	94	5	EY	A	SH-H	34-43	38
7.	WH 1098**	NW -RF-08	10S	3.3	0	0.4	88-117	105	132-166	152	65-108	94	0	EY	A	H	35-45	40
8.	HD 3121	NW -RF-09	0	0.0	0.2	0.4	92-121	105	132-169	153	85-115	101	5	EY	A	H	36-44	41
9.	WH 1126*	NW -RF-10	0	0.0	0.4	0.2	96-119	108	138-168	154	91-110	103	0	EY	A	H	39-44	42
10.	HUW 669	NW -RF-11	0	0.0	0.6	0.6	90-122	109	136-168	153	80-108	97	0	EY	A	H	35-44	41
11.	DBW 110	NW -RF-12	10S	3.3	0.2	0	90-116	104	135-165	152	80-105	94	0	EY	A	SH-H	36-51	42
12.	HD 3122	NW -RF-14	0	0.0	0.4	0.2	91-116	103	134-168	153	85-107	98	0	EY	A	H	38-52	44
13.	PBW 689	NW -RF-16	10MR	1.3	0.4	0	94-119	105	137-168	155	85-105	95	0	EY	A	H	36-45	40
14.	PBW 660**	NW -RF-17	0	0.0	0	0	92-121	109	134-170	155	80-110	100	5	EY	A	H	37-46	42
15.	HD 3123	NW -RF-19	0	0.0	0.6	0.6	89-119	106	130-168	151	85-109	98	0	EY	A	H	38-43	41
16.	WH 1127*	NW -RF-20	10S	3.3	0.2	0.2	93-127	111	132-170	153	85-109	101	0	EY	A	H	36-45	41
17.	PBW 644 (C)	NW -RF-07	0	0.0	1.2	0.6	90-120	106	135-165	151	88-113	104	0	EY	A	H	36-44	40
18.	WH 1080 (C)	NW -RF-13	0	0.0	0	0	86-116	103	129-169	151	80-102	92	0	EY	A	H	34-44	40
19.	C 306 (C)	NW -RF-15	20S	10.0	2.8	0.2	91-120	108	132-169	155	98-135	115	20	EY	A	H	36-43	40
20.	PBW 175 (C)	NW -RF-18	10S	3.4	0	0	90-116	106	132-168	153	86-107	100	0	EY	A	H	40-51	43

1. Ancillary data Delhi, Ludhiana, Gurdaspur, Hisar, Pantnagar, Chatha and Diggi
2. Lodging data from Pantnagar, Diggi and Chatha centres.
3. Rust data from Delhi, Ludhiana, Gurdaspur, Hisar, Pantnagar and Chatha centres
4. Karnal bunt & Black point from Gurdaspur centre.
5. Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

**North Western Plains Zone  
AVT-RF-TS-TAS, 2012-13  
Individual Station Rust Data**

SN	Variety	Code	Delhi		Ludhiana*		Gurdaspur*		Hisar	Pantnagar	Chatha
			Br	YI	Br	YI	Br	YI	YI	YI	YI
1.	PBW 675*	NW -RF-01	0	0	0	20S	0	10S	0	0	tR
2.	PBW 674*	NW -RF-02	0	0	0	10S	0	5S	20S	0	tR
3.	UP 2847	NW -RF-03	0	0	0	40S	0	5S	0	0	tR
4.	JAUW 598	NW -RF-04	0	0	10S	40S	0	10S	0	tS	R
5.	DBW 74**	NW -RF-05	tR	0	0	40S	0	10S	5S	0	5S
6.	UP 2848	NW -RF-06	0	0	0	40S	0	10S	0	0	0
7.	WH 1098**	NW -RF-08	0	0	10S	10S	0	tR	0	0	0
8.	HD 3121	NW -RF-09	0	5S	0	10S	0	0	0	0	tR
9.	WH 1126*	NW -RF-10	0	0	0	20S	0	tR	0	0	tR
10.	HUW 669	NW -RF-11	0	0	0	20S	0	5S	0	0	5S
11.	DBW 110	NW -RF-12	0	10MR	10S	40S	0	5S	5S	0	0
12.	HD 3122	NW -RF-14	0	0	0	20S	0	5S	0	0	tR
13.	PBW 689	NW -RF-16	10MR	10S	0	20S	0	10S	20S	5S	0
14.	PBW 660**	NW -RF-17	0	0	0	0	0	0	0	0	0
15.	HD 3123	NW -RF-19	0	0	0	10S	0	5S	0	0	0
16.	WH 1127*	NW -RF-20	0	0	10S	20S	0	5S	0	0	0
17.	PBW 644 (C)	NW -RF-07	0	0	0	10S	0	10S	0	0	5S
18.	WH 1080 (C)	NW -RF-13	0	0	0	20S	0	tR	0	0	tR
19.	C 306 (C)	NW -RF-15	0	0	10S	40S	20S	5S	0	0	0
20.	PBW 175 (C)	NW -RF-18	tR	0	10S	40S	0	5S	10S	0	tR

\*Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

**1225-AVT-RI-TS-TAS-NWPZ, 2012-13  
LOCATIONWISE MEAN YIELDS (q/ha)**

VARIETY	CODE	Delhi		Haryana			Punjab			UTK			Rajasthan		
				Hisar		Ludhiana		Gurdaspur		Pantnagar		Diggi			
		Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G		
1. DBW 74**	NW-RI-02	55.3	12 0	51.1	1 1	36.5	11 0	33.2	11 0	37.2	10 0	44.4	4 1		
2. PBW 660**	NW-RI-03	56.2	9 0	43.9	11 0	54.7	1 1	49.7	1 1	33.3	12 0	44.4	3 1		
3. HD 3122	NW-RI-04	61.0	7 0	50.0	2 1	41.8	7 0	44.8	5 0	41.0	3 1	39.0	13 0		
4. WH 1142	NW-RI-06	62.5	4 0	48.6	4 1	52.5	4 1	49.0	2 1	43.9	1 1	42.9	8 1		
5. HD 3120	NW-RI-07	61.6	5 0	42.8	12 0	40.7	8 0	43.7	8 0	38.8	8 0	44.3	5 1		
6. UAS 347	NW-RI-10	56.7	8 0	48.0	6 0	29.9	12 0	31.5	12 0	40.2	4 0	42.9	7 1		
7. MP 3392	NW-RI-11	64.3	3 1	46.6	8 0	36.7	10 0	44.7	6 0	40.0	5 0	40.6	11 0		
8. HD 3121	NW-RI-12	55.7	10 0	44.8	10 0	52.2	5 1	44.3	7 0	38.3	9 0	42.4	9 1		
9. HUW 669	NW-RI-13	65.6	2 1	45.9	9 0	43.2	6 0	45.4	4 0	39.4	7 0	43.1	6 1		
10. HD 3070**	NW-RI-14	70.2	1 1	49.1	3 1	54.5	2 1	46.1	3 0	43.3	2 1	41.4	10 0		
11. C 306 (C)	NW-RI-01	54.2	13 0	29.7	14 0	29.3	14 0	25.9	14 0	26.0	14 0	44.6	2 1		
12. PBW 175 (C)	NW-RI-05	50.8	14 0	35.6	13 0	29.6	13 0	30.1	13 0	27.4	13 0	39.2	12 0		
13. HD 3043 (C)	NW-RI-08	61.2	6 0	48.4	5 0	53.7	3 1	42.7	9 0	40.0	6 0	38.3	14 0		
14. WH 1080 (C)	NW-RI-09	55.7	10 0	47.8	7 0	38.7	9 0	40.3	10 0	34.6	11 0	45.4	1 1		
G.M.		59.3		45.2		42.4		40.8		37.4		42.3			
S.E.(M)		2.500		0.950		1.147		1.053		1.047		1.378			
C.D.		7.1		2.7		3.3		3.0		3.0		3.9			
C.V.		8.4		4.2		5.4		5.2		5.6		6.5			
D.O.S.(dd.mm.yy)		30.10.12		01.11.12		27.10.12		30.10.12		30.10.12		30.10.12			

\*\* - Repeat AVT 2nd year entries from 2011-12

No. of Trials : Proposed & Conducted = 07

Trials not Reported (01) : Uchani (RMT)

**1225-AVT-RI-TS-TAS-NWPZ, 2012-13  
STATE AND ZONAL MEANS (q/ha)**

VARIETY	CODE	Delhi		Hisar		Punjab		UTK		Rajasthan		Zonal	
		Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1. DBW 74**	NW-RI-02	55.3	12 0	51.1	1 1	34.8	11 0	37.2	10 0	44.4	4 1	42.9	11 0
2. PBW 660**	NW-RI-03	56.2	9 0	43.9	11 0	52.2	1 1	33.3	12 0	44.4	3 1	47.0	5 0
3. HD 3122	NW-RI-04	61.0	7 0	50.0	2 1	43.3	7 0	41.0	3 1	39.0	13 0	46.3	7 0
4. WH 1142	NW-RI-06	62.5	4 0	48.6	4 1	50.7	2 1	43.9	1 1	42.9	8 1	49.9	2 1
5. HD 3120	NW-RI-07	61.6	5 0	42.8	12 0	42.2	8 0	38.8	8 0	44.3	5 1	45.3	9 0
6. UAS 347	NW-RI-10	56.7	8 0	48.0	6 0	30.7	12 0	40.2	4 0	42.9	7 1	41.5	12 0
7. MP 3392	NW-RI-11	64.3	3 1	46.6	8 0	40.7	9 0	40.0	5 0	40.6	11 0	45.5	8 0
8. HD 3121	NW-RI-12	55.7	10 0	44.8	10 0	48.2	4 0	38.3	9 0	42.4	9 1	46.3	6 0
9. HUW 669	NW-RI-13	65.6	2 1	45.9	9 0	44.3	6 0	39.4	7 0	43.1	6 1	47.1	4 0
10. HD 3070**	NW-RI-14	70.2	1 1	49.1	3 1	50.3	3 1	43.3	2 1	41.4	10 0	50.8	1 1
11. C 306 (C)	NW-RI-01	54.2	13 0	29.7	14 0	27.6	14 0	26.0	14 0	44.6	2 1	35.0	14 0
12. PBW 175 (C)	NW-RI-05	50.8	14 0	35.6	13 0	29.9	13 0	27.4	13 0	39.2	12 0	35.5	13 0
13. HD 3043 (C)	NW-RI-08	61.2	6 0	48.4	5 0	48.2	5 0	40.0	6 0	38.3	14 0	47.4	3 0
14. WH 1080 (C)	NW-RI-09	55.7	10 0	47.8	7 0	39.5	10 0	34.6	11 0	45.4	1 1	43.7	10 0
S.E.(M)		2.500		0.950		0.899		1.047		1.378		0.682	
C.D.		7.1		2.7		2.5		3.0		3.9		1.9	

## North Western Plains Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-RI-TS-TAS, 2012-13

SN	Variety	Code	Disease Reaction			Agronomic Characteristics								Grain Characteristics			
			Br	ACI	KB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	DBW 74**	NW-RI-02	tS	0.2	0.2	90-111	105	138-163	149	96-107	102	0	EY	A	H	32-47	38
2.	PBW 660**	NW-RI-03	0	0.0	0	98-115	110	141-167	152	97-114	104	5	EY	A	H	39-47	44
3.	HD 3122	NW-RI-04	5S	1.0	0	94-108	103	139-166	150	91-104	99	0	EY-M	A	H	36-50	42
4.	WH 1142	NW-RI-06	10MS	1.6	0	96-115	106	135-166	150	90-116	101	5	EY	A	H	32-43	38
5.	HD 3120	NW-RI-07	0	0.0	0.4	97-115	107	132-166	150	98-110	105	0	EY	A	H	36-48	41
6.	UAS 347	NW-RI-10	0	0.0	0.2	97-110	104	133-165	149	93-112	101	0	EY-M	A	H	30-43	38
7.	MP 3392	NW-RI-11	0	0.0	0.6	94-115	107	137-167	150	94-106	101	0	EY-M	A	H	30-43	38
8.	HD 3121	NW-RI-12	0	0.0	0.2	92-115	105	135-166	150	96-110	103	0	EY	A	H	36-45	40
9.	HUW 669	NW-RI-13	0	0.0	0.2	94-118	109	137-166	150	84-105	96	0	EY	A	H	36-45	41
10.	HD 3070**	NW-RI-14	0	0.0	0.2	92-120	109	134-167	150	94-112	99	5	EY	A	H	32-44	39
11.	C 306 (C)	NW-RI-01	30S	6.0	0.2	92-120	108	132-167	151	96-145	118	5	EY	A	H	32-44	38
12.	PBW 175 (C)	NW-RI-05	0	0.0	0.2	92-115	105	135-164	149	65-112	99	0	EY	A	H	36-49	42
13.	HD 3043 (C)	NW-RI-08	tR	0.0	0	95-110	102	133-164	147	93-105	100	0	EY	A	H	36-43	40
14.	WH 1080 (C)	NW-RI-09	0	0.2	0	93-108	102	131-165	147	83-102	96	0	EY	A	H	32-48	40

1. Ancillary data based on Delhi, Ludhiana, Gurdaspur Hisar, Pantnagar, and Diggi centre and Lodging data from Hisar centre only.
2. Rust data from Delhi, Ludhiana, Gurdaspur, Hisar, Pantnagar and Karnal bunt data from Gurdaspur centre only.
3. Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team

### Individual Station Rust Data

SN	Variety	Code	Ludhiana*		Delhi	Hisar		Gurdaspur*		Pantnagar	
			Br	YI	Br	Br	YI	Br	YI	Br	YI
1.	DBW 74**	NW-RI-02	0	60S	0	0	0	0	30S	0	0
2.	PBW 660**	NW-RI-03	0	0	0	0	0	0	5S	0	0
3.	HD 3122	NW-RI-04	0	20S	5S	0	30S	0	10S	0	0
4.	WH 1142	NW-RI-06	0	10S	10MS	0	10S	0	10S	0	0
5.	HD 3120	NW-RI-07	0	40S	0	0	0	0	10S	0	0
6.	UAS 347	NW-RI-10	0	60S	0	0	30S	0	40S	0	15S
7.	MP 3392	NW-RI-11	0	60S	0	0	0	0	40S	0	15S
8.	HD 3121	NW-RI-12	0	10S	0	0	0	0	10S	0	0
9.	HUW 669	NW-RI-13	0	10S	0	0	0	0	10S	0	0
10.	HD 3070**	NW-RI-14	0	20S	0	0	0	0	5S	0	0
11.	C 306 (C)	NW-RI-01	10S	60S	0	5S	0	5S	5S	5S	tS
12.	PBW 175 (C)	NW-RI-05	0	40S	0	0	20S	0	40S	0	0
13.	HD 3043 (C)	NW-RI-08	0	40S	tR	0	0	0	10S	0	0
14.	WH 1080 (C)	NW-RI-09	0	60S	0	0	0	0	10S	0	0

\*Under natural conditions yellow rust data is not being reported due to variation in rust recording at Ludhiana and Gurdaspur centres vis-à-vis rust recordings by monitoring team