

**1831-AVT-IR-TS-TAS-NEPZ, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

S.N	Variety	Code	U.P.				Bihar							
			Kanpur		Faizabad		Varanasi		Gorkhpur		IARI Pusa		Sabour	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD 3249* <sup>#Q</sup>	NE-IR-101	48.1	9 0	54.0	6 0	47.6	2 1	54.4	4 0	48.1	9 0	48.0	2 1
2	PBW 781	NE-IR-103	55.7	3 0	51.5	10 0	42.0	9 0	56.6	2 1	45.0	10 0	40.4	7 0
3	DBW 257	NE-IR-104	47.2	10 0	52.8	9 0	42.3	8 0	49.3	8 0	44.3	11 0	44.8	4 0
4	HD 3277	NE-IR-106	53.2	5 0	53.9	7 0	42.7	7 0	55.4	3 1	50.3	4 0	39.4	8 0
5	RAJ 4529	NE-IR-107	58.9	2 0	53.1	8 0	40.5	11 0	32.2	11 0	49.0	8 0	36.5	11 0
6	WH 1239	NE-IR-109	54.1	4 0	60.1	1 1	44.3	5 0	51.9	6 0	50.8	2 0	46.4	3 0
7	DBW 187(I) (C)	NE-IR-108	52.1	6 0	59.0	2 1	48.5	1 1	52.2	5 0	49.0	7 0	42.0	6 0
8	HD 2733 (C)	NE-IR-102	61.8	1 1	50.4	11 0	47.5	3 1	57.9	1 1	50.0	6 0	50.0	1 1
9	DBW 39 (C)	NE-IR-105	51.3	8 0	58.2	3 1	44.2	6 0	33.7	10 0	50.7	3 0	42.6	5 0
10	K0307 (C)	NE-IR-110	44.6	11 0	56.8	4 0	40.7	10 0	40.7	9 0	58.6	1 1	37.8	10 0
11	HD 2967 (C)	NE-IR-111	51.4	7 0	55.4	5 0	44.8	4 0	51.7	7 0	50.1	5 0	38.3	9 0
G.M.			52.6		55.0		44.1		48.7		49.6		42.4	
S.E.(M)			1.190		1.098		0.993		1.041		2.771		1.472	
C.D. (10%)			2.9		2.6		2.4		2.5		6.6		3.5	
C.V.			4.5		4.0		4.5		4.3		11.2		6.9	
D.O.S.(dd.mm.yy)			25.11.18		24.11.18		24.11.18		25.11.18		24.11.18		24.11.18	

No. of Trials : Proposed = 23 Conducted = 23  
Trials not reported (08) = Araul (RMT), Amethi (RMT), Basti (RMT), Chandauli (RMT), Allahabad (LSM), Coochbehar (LSM), Majhian (LSM), Bishwanath (LSM)

**1831-AVT-IR-TS-TAS-NEPZ, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

S.N	Variety	Code	Bihar			Jharkhand								
			Purnea		Banka		RPCAU-Pusa		Ranchi		Chianki		Dumka	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD 3249* <sup>#Q</sup>	NE-IR-101	51.4	4 0	51.9	3 0	57.7	4 0	53.8	6 1	42.2	7 0	51.0	6 1
2	PBW 781	NE-IR-103	43.7	10 0	53.2	2 1	55.0	5 0	49.5	11 0	35.8	10 0	48.7	9 1
3	DBW 257	NE-IR-104	45.9	8 0	47.2	10 0	52.2	8 0	54.0	5 1	31.7	11 0	51.3	5 1
4	HD 3277	NE-IR-106	46.2	7 0	50.2	7 0	47.3	10 0	52.3	7 1	48.8	3 1	53.9	1 1
5	RAJ 4529	NE-IR-107	43.3	11 0	55.7	1 1	55.0	5 0	55.2	2 1	52.1	1 1	42.1	11 0
6	WH 1239	NE-IR-109	53.9	3 0	50.4	6 0	60.1	3 0	54.1	4 1	52.0	2 1	53.6	2 1
7	DBW 187(I) (C)	NE-IR-108	68.0	1 1	50.6	4 0	63.1	1 1	54.4	3 1	47.5	4 0	53.3	3 1
8	HD 2733 (C)	NE-IR-102	51.4	5 0	47.9	9 0	47.1	11 0	56.4	1 1	41.4	8 0	51.5	4 1
9	DBW 39 (C)	NE-IR-105	44.5	9 0	48.3	8 0	53.6	7 0	50.4	9 0	43.5	5 0	47.8	10 1
10	K0307 (C)	NE-IR-110	49.2	6 0	50.4	5 0	47.7	9 0	50.1	10 0	43.2	6 0	50.1	7 1
11	HD 2967 (C)	NE-IR-111	62.0	2 0	44.8	11 0	62.2	2 1	51.8	8 1	38.7	9 0	49.0	8 1
G.M.			50.9		50.0		54.6		52.9		43.4		50.2	
S.E.(M)			2.406		1.300		0.566		2.384		1.882		3.440	
C.D. (10%)			5.8		3.1		1.4		5.7		4.5		8.3	
C.V.			9.5		5.2		2.1		9.0		8.7		13.7	
D.O.S.(dd.mm.yy)			20.11.18		24.11.18		20.11.18		20.11.18		22.11.18		17.11.18	

1831-AVT-IR-TS-TAS-NEPZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)

S.N	Variety	Code	W.B						Assam		
			Kalyani			Burdhwan			Shillongani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD 3249* <sup>#Q</sup>	NE-IR-101	42.3	3	0	36.6	8	0	45.1	1	1
2	PBW 781	NE-IR-103	38.3	8	0	39.2	5	0	34.2	7	0
3	DBW 257	NE-IR-104	35.7	11	0	41.8	2	0	39.6	3	1
4	HD 3277	NE-IR-106	38.9	6	0	41.7	3	0	31.7	10	0
5	RAJ 4529	NE-IR-107	38.4	7	0	35.3	11	0	37.7	6	0
6	WH 1239	NE-IR-109	49.6	1	1	36.0	10	0	39.1	4	1
7	DBW 187(I) (C)	NE-IR-108	42.7	2	0	46.6	1	1	38.2	5	0
8	HD 2733 (C)	NE-IR-102	39.6	5	0	36.0	9	0	33.5	9	0
9	DBW 39 (C)	NE-IR-105	36.3	10	0	40.1	4	0	41.7	2	1
10	K0307 (C)	NE-IR-110	42.0	4	0	36.7	7	0	34.0	8	0
11	HD 2967 (C)	NE-IR-111	36.6	9	0	37.3	6	0	26.7	11	0
G.M.			40.0			38.8			36.5		
S.E.(M)			0.589			1.240			2.761		
C.D. (10%)			1.4			3.0			6.6		
C.V.			2.9			6.4			15.1		
D.O.S.(dd.mm.yy)			17.11.18			22.11.18			13.11.18		

1831-AVT-IR-TS-TAS-NEPZ, 2018-19  
STATE AND ZONAL MEANS (q/ha)

S.N	Variety	Code	U.P.			Bihar			Jharkhand			W.B.			Assam			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD 3249* <sup>#Q</sup>	NE-IR-101	51.0	6	0	51.4	4	0	49.0	6	0	39.5	4	0	45.1	1	1	48.8	3	0
2	PBW 781	NE-IR-103	51.4	4	0	47.4	9	0	44.7	11	0	38.8	6	0	34.2	7	0	45.9	7	0
3	DBW 257	NE-IR-104	47.9	8	0	46.9	10	0	45.7	10	0	38.7	7	0	39.6	3	1	45.3	11	0
4	HD 3277	NE-IR-106	51.3	5	0	46.7	11	0	51.7	3	1	40.3	3	0	31.7	10	0	47.1	5	0
5	RAJ 4529	NE-IR-107	46.2	10	0	47.9	8	0	49.8	4	1	36.8	11	0	37.7	6	0	45.7	9	0
6	WH 1239	NE-IR-109	52.6	3	0	52.3	2	0	53.2	1	1	42.8	2	0	39.1	4	1	50.4	2	1
7	DBW 187(I) (C)	NE-IR-108	53.0	2	0	54.6	1	1	51.8	2	1	44.7	1	1	38.2	5	0	51.2	1	1
8	HD 2733 (C)	NE-IR-102	54.4	1	1	49.3	5	0	49.8	5	1	37.8	9	0	33.5	9	0	48.2	4	0
9	DBW 39 (C)	NE-IR-105	46.8	9	0	48.0	7	0	47.2	8	0	38.2	8	0	41.7	2	1	45.8	8	0
10	K0307 (C)	NE-IR-110	45.7	11	0	48.7	6	0	47.8	7	0	39.3	5	0	34.0	8	0	45.5	10	0
11	HD 2967 (C)	NE-IR-111	50.8	7	0	51.5	3	0	46.5	9	0	36.9	10	0	26.7	11	0	46.7	6	0
G.M.			50.1			49.5			48.8			39.4			36.5			47.3		
S.E.(M)			0.542			0.840			1.530			0.686			2.761			0.485		
C.D. (10%)			1.3			2.0			3.6			1.6			6.6			1.1		

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-IR-TS-TAS-NEPZ, 2018-19

SN	Variety	Code	Disease Reaction		Agronomic Characteristics								Grain Characteristics			
			Br	LB (HS, Av)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Lod.M	Col.	Tex.	TGW. R	TGW.M
1	HD 3249**Q	NE-IR-101	0	46(24)	65-87	78	109-138	123	87-109	99	Ey-M	35	A	SH-H	32-50	42
2	PBW 781	NE-IR-103	0	24(13)	72-93	85	116-144	130	85-101	94	Ey-M	25	A	SH-H	32-54	39
3	DBW 257	NE-IR-104	5S	25(13)	64-93	84	115-146	128	79-107	96	Ey	35	A	SH-H	34-51	39
4	HD 3277	NE-IR-106	0	38(35)	65-93	83	113-146	127	88-112	102	Ey	55	A	SH-H	34-51	42
5	RAJ 4529	NE-IR-107	10S	45(24)	62-88	79	114-144	126	80-117	103	Ey-M	50	A	SH-H	33.-53	43
6	WH 1239	NE-IR-109	0	47(24)	66-90	80	116-140	127	88-111	101	Ey-M	35	A	SH-H	34-47	41
7	DBW 187(I) (C)	NE-IR-108	0	56(24)	60-88	78	113-136	125	81-111	97	Ey	50	A	SH-H	33-51	43
8	HD 2733 (C)	NE-IR-102	0	26(13)	64-94	84	114-148	129	81-95	89	Ey	35	A	SH-H	35-49	42
9	DBW 39 (C)	NE-IR-105	0	36(24)	63-92	83	114-143	127	90-116	104	Ey-M	55	A	SO-SH	32-48	40
10	K0307 (C)	NE-IR-110	0	57(35)	67-90	80	112-138	126	89-119	102	Ey	55	A	SH-H	32-49	39
11	HD 2967 (C)	NE-IR-111	10S	24(13)	72-95	86	115-146	131	83-107	97	Ey	30	A	SO-SH	30-51	38

1. The ancillary data from Kanpur, Faizabad, IARI-PUSA, Sabour, Ranchi, Chianki, Dumka, Coochbehar, Kalyani, Burdwan, Shillongani, Varanasi, Majhian, Bishwanath, Purnea, RPCAU-PUSA and Banka
2. Brown Rust reported in Kanpur only.
3. Leaf blight data from Shillongani, Faizabad and Sabour centres.
4. Lodging data from Burdwan, Shillongani, Coochbehar and Bishwanath.

### AVT-IR-TS-TAS-NEPZ, 2018-19

North Eastern Plains Zone

#### Individual Station Leaf Blight Data

SN	Variety	Code	Faizabad	Sabour	Shillongani	Coochbehar
1	HD 3249**Q	NE-IR-101	12	35	46	23
2	PBW 781	NE-IR-103	24	03	13	23
3	DBW 257	NE-IR-104	12	02	25	23
4	HD 3277	NE-IR-106	35	03	38	34
5	RAJ 4529	NE-IR-107	45	23	25	23
6	WH 1239	NE-IR-109	12	02	47	34
7	DBW 187(I) (C)	NE-IR-102	12	02	26	24
8	HD 2733 (C)	NE-IR-105	36	25	14	23
9	DBW 39 (C)	NE-IR-108	12	23	56	23
10	K0307 (C)	NE-IR-110	24	35	57	34
11	HD 2967 (C)	NE-IR-111	24	02	12	12

**1833-AVT-RI-TS-TAS-NEPZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)**

S.N.	Variety	Code	U.P.									Bihar								
			Varanasi			Faizabad			Kanpur			Deegh			Ghaghrahat			IARI-Pusa		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DBW 252* <sup>#</sup>	NE-RI-306	37.9	4	0	45.1	8	0	34.6	7	0	48.2	3	1	40.3	3	1	30.1	3	1
2	HD 3293	NE-RI-303	43.8	1	1	52.1	2	0	47.3	1	1	39.2	6	0	40.1	4	1	26.2	6	0
3	DBW 273	NE-RI-308	35.5	6	0	48.3	6	0	33.8	8	0	48.6	2	1	45.8	1	1	28.8	4	0
4	K 1317 (C)	NE-RI-301	36.3	5	0	50.5	3	0	44.3	3	0	47.2	4	0	37.4	5	0	33.5	1	1
5	HI 1612 (C)	NE-RI-302	39.2	3	0	49.6	4	0	45.8	2	1	50.0	1	1	42.3	2	1	28.3	5	0
6	HD 3171 (C)	NE-RI-304	41.4	2	0	54.4	1	1	44.2	4	0	45.2	5	0	36.4	6	0	30.6	2	1
7	HD 2888 (C)	NE-RI-305	15.7	8	0	47.8	7	0	43.5	5	0	27.7	8	0	34.3	7	0	25.3	7	0
8	K 8027 (C)	NE-RI-307	17.4	7	0	49.5	5	0	35.7	6	0	32.0	7	0	32.4	8	0	25.2	8	0
G.M.			33.4			49.6			41.2			42.3			38.6			28.5		
S.E.(M)			0.975			0.883			0.982			1.049			2.931			1.687		
C.D. (10%)			2.4			2.1			2.4			2.6			7.1			4.1		
C.V.			5.8			3.6			4.8			5.0			15.2			11.8		
D.O.S.(dd.mm.yy)			08.11.18			09.11.18			09.11.18			04.11.18			03.11.18			08.11.18		

No. of Trials : Proposed = 20

Conducted = 20

Trial not conducted (00) = Nil

Trials not reported (04) = Maharajganj (RMT), Dumka (RMT), Goriakarma (RMT), Bishwanath (TF)

**1833-AVT-RI-TS-TAS-NEPZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)**

S.N.	Variety	Code	Bihar						W.B.											
			Sabour		Purnea		RPCAU-Pusa		Kalyani		Burdwan		Coochbehar							
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G			
1	DBW 252* <sup>#</sup>	NE-RI-306	33.4	6	1	18.8	7	0	45.0	4	0	32.9	7	0	32.1	5	0	25.2	2	1
2	HD 3293	NE-RI-303	37.1	1	1	32.3	4	0	38.5	5	0	34.6	3	0	30.5	6	0	24.3	3	1
3	DBW 273	NE-RI-308	36.9	2	1	16.1	8	0	46.7	2	0	33.1	6	0	36.9	2	1	26.8	1	1
4	K 1317 (C)	NE-RI-301	33.7	5	1	41.2	1	1	30.7	7	0	36.6	1	1	36.1	3	0	21.6	5	0
5	HI 1612 (C)	NE-RI-302	34.0	3	1	37.3	2	1	45.4	3	0	34.7	2	0	34.8	4	0	21.7	4	0
6	HD 3171 (C)	NE-RI-304	33.9	4	1	28.8	5	0	49.6	1	1	33.2	5	0	40.1	1	1	16.8	8	0
7	HD 2888 (C)	NE-RI-305	29.9	7	0	33.6	3	0	29.4	8	0	29.8	8	0	21.8	8	0	20.8	6	0
8	K 8027 (C)	NE-RI-307	21.0	8	0	24.6	6	0	37.3	6	0	33.6	4	0	22.2	7	0	18.2	7	0
G.M.			32.5		29.1		40.3		33.6		31.8		21.9							
S.E.(M)			1.665		2.264		0.596		0.486		1.492		1.411							
C.D. (10%)			4.1		5.5		1.4		1.2		3.6		3.4							
C.V.			10.2		15.6		3.0		2.9		9.4		12.9							
D.O.S.(dd.mm.yy)			06.11.18		07.11.18		10.11.18		10.11.18		10.11.18		03.11.18							

1833-AVT-RI-TS-TAS-NEPZ, 2018-19

LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	Jharkhand						Assam					
			Ranchi			Chianki			KVK-Gumla			Shillongani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DBW 252* <sup>#</sup>	NE-RI-306	55.6	5	1	41.0	2	1	44.0	5	0	21.3	5	0
2	HD 3293	NE-RI-303	60.7	1	1	36.1	4	0	48.8	2	1	27.2	1	1
3	DBW 273	NE-RI-308	57.0	4	1	32.5	7	0	51.9	1	1	22.2	4	0
4	K 1317 (C)	NE-RI-301	57.5	2	1	41.8	1	1	46.3	3	1	20.9	6	0
5	HI 1612 (C)	NE-RI-302	49.6	6	0	34.9	5	0	43.8	6	0	26.7	2	1
6	HD 3171 (C)	NE-RI-304	57.3	3	1	31.2	8	0	45.0	4	0	22.5	3	0
7	HD 2888 (C)	NE-RI-305	28.4	8	0	34.1	6	0	29.4	7	0	20.8	8	0
8	K 8027 (C)	NE-RI-307	33.4	7	0	37.2	3	0	26.0	8	0	20.9	6	0
G.M.			49.9			36.1			41.9			22.8		
S.E.(M)			2.798			1.330			2.627			1.083		
C.D. (10%)			6.8			3.2			6.4			2.6		
C.V.			11.2			7.4			12.5			9.5		
D.O.S.(dd.mm.yy)			30.10.18			31.10.18			10.11.18			29.10.18		

1833-AVT-RI-TS-TAS-NEPZ, 2018-19

STATE AND ZONAL MEANS (q/ha)

S.N.	Variety	Code	U.P.			Bihar			W.B.			Jharkhand			Assam			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DBW 252* <sup>#</sup>	NE-RI-306	41.2	6	0	31.8	6	0	30.1	4	0	46.8	4	1	21.3	5	0	36.6	6	0
2	HD 3293	NE-RI-303	44.5	2	1	33.5	4	0	29.8	6	0	48.5	2	1	27.2	1	1	38.7	1	1
3	DBW 273	NE-RI-308	42.4	5	0	32.1	5	0	32.3	1	1	47.1	3	1	22.2	4	0	37.6	5	0
4	K 1317 (C)	NE-RI-301	43.2	4	0	34.8	3	1	31.4	2	1	48.5	1	1	20.9	6	0	38.5	3	1
5	HI 1612 (C)	NE-RI-302	45.4	1	1	36.3	1	1	30.4	3	0	42.7	6	0	26.7	2	1	38.6	2	1
6	HD 3171 (C)	NE-RI-304	44.3	3	1	35.7	2	1	30.0	5	0	44.5	5	0	22.5	3	0	38.2	4	1
7	HD 2888 (C)	NE-RI-305	33.8	7	0	29.6	7	0	24.1	8	0	30.6	8	0	20.8	8	0	29.5	7	0
8	K 8027 (C)	NE-RI-307	33.4	8	0	27.0	8	0	24.7	7	0	32.2	7	0	20.9	6	0	29.2	8	0
G.M.			41.0			32.6			29.1			42.6			22.8			35.8		
S.E.(M)			0.704			0.833			0.703			1.354			1.083			0.422		
C.D. (10%)			1.7			2.0			1.7			3.2			2.6			1.0		

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-RI-TS-TAS, 2018-19

SN	Variety	Code	Leaf Blight Reaction	Agronomic Characteristics							Grain Characteristics				
			HS(Av.)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	DBW 252*#	NE-RI-306	35(24)	68-93	83	103-150	130	87-112	99	-	Ey	A	SH	32-51	44
2	HD 3293	NE-RI-303	48(24)	70-93	81	105-145	130	88-118	102	-	Ey	A	SH-H	37-53	46
3	DBW 273	NE-RI-308	57(35)	69-96	86	110-147	132	83-106	98	-	Ey	A	SH	27-54	39
4	K 1317 (C)	NE-RI-301	68(35)	62-95	84	105-148	131	91-109	100	-	Ey	A	SH	36-55	46
5	HI 1612 (C)	NE-RI-302	46(24)	70-99	88	103-151	131	80-112	97	-	Ey	A	SH-H	34-53	42
6	HD 3171 (C)	NE-RI-304	68(34)	59-89	76	100-139	127	82-108	98	-	Ey	A	SH-H	36-55	44
7	HD 2888 (C)	NE-RI-305	46(23)	68-94	84	100-141	129	82-133	114	55	Ey	A	SH-H	35-50	42
8	K 8027 (C)	NE-RI-307	34(23)	64-94	76	98-142	127	83-131	115	50	Ey	A	SH-H	37-50	45

1. Ancillary data from Chianki, Deegh, Purnea, Varanasi, Burdwan, Coochbehar, Faizabad, Ghagrahat, Kanpur, Pusa, Ranchi, Sabour, Kalyani, Gumla, RPCAU, Pusa and Shillongani.
2. Leaf blight data from Burdwan, Coochbehar, Faizabad, Sabour, Kalyani and Shillongani.

### AVT-RI-TS-TAS-NEPZ, 2018-19 North Eastern Plains Zone Individual Station Leaf Blight Data

SN	Variety	Code	Burdwan	Coochbehar	Faizabad	Sabour	Kalyani	Shillongani
1.	DBW 252*#	NE-RI-306	34	23	35	35	01	35
2.	HD 3293	NE-RI-303	45	23	12	35	01	48
3.	DBW 273	NE-RI-308	46	34	24	57	12	47
4.	K 1317 (C)	NE-RI-301	34	34	35	68	12	56
5.	HI 1612 (C)	NE-RI-302	34	12	24	46	01	36
6.	HD 3171 (C)	NE-RI-304	35	34	12	68	12	23
7.	HD 2888 (C)	NE-RI-305	35	00	46	46	12	32
8.	K 8027 (C)	NE-RI-307	34	12	12	24	12	25