

1931-AVT-IR-TS-TAS-NEPZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	U.P.						Bihar					
			Kanpur		Faizabad		Varanasi		Araul		Gorakhpur		IARI Pusa	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	PBW804	NE-IR-101	65.9	1 1	51.2	4 0	45.0	4 0	56.8	2 1	48.8	6 0	36.1	5 0
2	DBW187 (C)	NE-IR-102	60.2	2 0	45.6	6 0	51.0	1 1	45.5	6 0	49.7	5 0	38.2	4 0
3	K1006 (C)	NE-IR-103	54.1	4 0	52.9	3 0	49.5	2 1	51.8	3 0	54.8	3 1	33.2	6 0
4	DBW39 (C)	NE-IR-104	49.5	5 0	55.8	1 1	45.5	3 0	48.5	4 0	60.3	1 1	38.2	3 0
5	HD2733 (C)	NE-IR-106	48.4	6 0	50.9	5 0	43.2	5 0	46.1	5 0	49.8	4 0	40.2	1 1
6	HD3249(I)(C)	NE-IR-105	58.5	3 0	54.3	2 0	39.9	6 0	58.2	1 1	58.4	2 1	39.6	2 0
G.M.			56.1		51.8		45.7		51.2		53.6		37.6	
S.E.(M)			1.136		0.534		1.262		1.206		4.145		0.088	
C.D. (10%)			2.8		1.3		3.1		3.0		10.3		0.2	
C.V.			4.1		2.1		5.5		4.7		15.5		0.5	
D.O.S.(dd.mm.yy)			23.11.19		24.11.19		15.11.19		25.11.14		23.11.19		16.11.19	

No. of Trials : Proposed = 20 Conducted = 20
Trials not reported (03) = Allahabad (LSM), Majhian (LSM), Bishwanath (LSM)

1931-AVT-IR-TS-TAS-NEPZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Bihar				Jharkhand							
			Sabour		Purnea		Banka		RPCAU-Pusa		Ranchi		Chianki	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	PBW804	NE-IR-101	46.6	3 1	31.7	3 0	41.6	6 0	54.0	1 1	60.6	6 0	40.9	6 0
2	DBW187 (C)	NE-IR-102	49.3	1 1	30.7	5 0	61.9	1 1	41.0	5 0	68.2	2 1	44.9	3 0
3	K1006 (C)	NE-IR-103	41.0	5 0	45.0	2 1	55.1	2 0	46.9	4 0	62.7	5 0	55.6	2 1
4	DBW39 (C)	NE-IR-104	42.0	4 0	29.3	6 0	48.1	4 0	37.3	6 0	64.4	4 0	44.2	4 0
5	HD2733 (C)	NE-IR-106	39.2	6 0	45.9	1 1	45.9	5 0	49.1	3 0	66.1	3 0	43.3	5 0
6	HD3249(I)(C)	NE-IR-105	47.4	2 1	31.0	4 0	55.0	3 0	51.2	2 0	70.7	1 1	59.1	1 1
G.M.			44.3		35.6		51.2		46.6		65.5		48.0	
S.E.(M)			2.235		2.103		1.850		0.621		1.557		1.483	
C.D. (10%)			5.5		5.2		4.6		1.5		3.9		3.7	
C.V.			10.1		11.8		7.2		2.7		4.8		6.2	
D.O.S.(dd.mm.yy)			15.11.19		16.11.19		24.11.19		19.11.19		21.11.19		15.11.19	

1931-AVT-IR-TS-TAS-NEPZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Jharkhand		W.B				Assam			
			Dumka		Coochbehar		Kalyani		Burdwan		Shillongani	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	PBW804	NE-IR-101	49.3	6 0	29.4	6 0	40.5	5 0	43.9	4 1	32.5	6 0
2	DBW187 (C)	NE-IR-102	57.9	3 1	41.6	1 1	47.2	1 1	46.3	3 1	35.6	4 0
3	K1006 (C)	NE-IR-103	62.2	1 1	41.5	2 1	39.8	6 0	39.1	5 0	39.1	2 0
4	DBW39 (C)	NE-IR-104	60.2	2 1	37.3	3 1	43.9	3 0	32.5	6 0	37.1	3 0
5	HD2733 (C)	NE-IR-106	53.9	5 0	35.0	5 0	43.0	4 0	49.1	1 1	32.7	5 0
6	HD3249(I)(C)	NE-IR-105	57.3	4 1	35.4	4 0	44.1	2 0	48.7	2 1	44.1	1 1
G.M.			56.8		36.7		43.1		43.3		36.8	
S.E.(M)			2.664		1.950		0.946		3.234		1.180	
C.D. (10%)			6.6		4.8		2.3		8.0		2.9	
C.V.			9.4		10.6		4.4		14.9		6.4	
D.O.S.(dd.mm.yy)			16.11.19		15.11.19		18.11.19		18.11.19		08.11.19	

1931-AVT-IR-TS-TAS-NEPZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	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	PBW804	NE-IR-101	53.5	2 1	42.0	5 0	50.2	6 0	37.9	5 0	32.5	6 0	45.6	5 0
2	DBW187 (C)	NE-IR-102	50.4	5 0	44.2	3 1	57.0	3 0	45.0	1 1	35.6	4 0	47.9	3 0
3	K1006 (C)	NE-IR-103	52.6	3 1	44.2	2 1	60.2	2 1	40.1	4 0	39.1	2 0	48.5	2 0
4	DBW39 (C)	NE-IR-104	51.9	4 1	39.0	6 0	56.3	4 0	37.9	6 0	37.1	3 0	45.5	6 0
5	HD2733 (C)	NE-IR-106	47.7	6 0	44.1	4 1	54.4	5 0	42.4	3 1	32.7	5 0	46.0	4 0
6	HD3249(I)(C)	NE-IR-105	53.8	1 1	44.8	1 1	62.3	1 1	42.7	2 1	44.1	1 1	50.2	1 1
G.M.			51.7		43.0		56.7		41.0		36.8		47.3	
S.E.(M)			0.934		0.728		1.141		1.298		1.180		0.468	
C.D. (10%)			2.2		1.7		2.7		3.1		2.9		1.1	

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-IR-TS-TAS-NEPZ, 2019-20

SN	Variety	Code	Disease Reaction			Agronomic Characteristics								Grain Characteristics			
			Br	ACI	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	PBW804	NE-IR-101	0	0.0	46(35)	66-90	81	114-135	125	79-108	95	Ey	20	A	SH	38-51	44
2	DBW187 (C)	NE-IR-102	10S	2.5	45(24)	68-88	79	110-131	123	79-113	97	Ey	20	A	SH	36-57	45
3	K1006 (C)	NE-IR-103	50S	27.5	67(35)	63-89	78	112-131	123	78-111	95	Ey	25	A	SH	34-47	42
4	DBW39 (C)	NE-IR-104	20S	5.0	35(23)	70-93	83	116-135	126	76-116	102	Ey	20	A	SH	35-51	41
5	HD2733 (C)	NE-IR-106	20S	13.8	57(35)	75-93	86	118-140	129	72-101	88	Ey	15	A	SH	36-55	46
6	HD3249(I)(C)	NE-IR-105	10S	2.5	57(35)	68-89	78	112-135	125	78-117	97	Ey	20	A	SH	36-56	46

1. The ancillary data from Araul, Allahabad, Banka, Varanasi, Bishwanath, Chianki, Coochbehar, Dumka, Faizabad, Kalyani, Kanpur, Majhian, Purnea, Ranchi, RPCAU-Pusa, IARI-Pusa, Sabour and Shillongani.
2. Brown rust reported from Kanpur, Banka, Sabour and Shillongani centres.
3. Leaf blight data reported from Banka, Bishwanath, Coochbehar, Faizabad, Kalyani, Ranchi, RPCAU-Pusa, Sabour and Shillongani centres; 4. Lodging data from Chianki, Dumka, Purnea, Ranchi, RPCAU-Pusa, Sabour and Shillongani centres.

Individual Station Brown Rust Data

SN	Variety	Code	Banka	Kanpur	Sabour	Shillongani
1	PBW804	NE-IR-101	0	0	0	0
2	DBW187 (C)	NE-IR-102	0	10S	0	0
3	K1006 (C)	NE-IR-103	10S	20S	30S	50S
4	DBW39 (C)	NE-IR-104	0	0	0	20S
5	HD2733 (C)	NE-IR-106	5S	20S	20S	10S
6	HD3249(I)(C)	NE-IR-105	0	10S	0	0

Leaf Blight Data

SN	Variety	Code	Banka	Bishwanath	Coochbehar	Faizabad	Kalyani	Ranchi	RPCAU-Pusa	Sabour	Shillongani
1	PBW804	NE-IR-101	46	25	45	35	46	03	25	46	46
2	DBW187 (C)	NE-IR-102	35	03	45	12	35	13	12	35	04
3	K1006 (C)	NE-IR-103	57	02	45	12	67	24	35	57	46
4	DBW39 (C)	NE-IR-104	35	35	23	23	02	12	22	35	24
5	HD2733 (C)	NE-IR-106	57	35	34	12	24	24	16	57	24
6	HD3249(I)(C)	NE-IR-105	57	25	45	36	46	13	32	57	46

1933-AVT-RI-TS-TAS-NEPZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	U.P.						Bihar											
			Varanasi			Kanpur			Ghaghraghat			IARI-Pusa			Sabour			Purnea		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3293*	NE-RI-303	48.3	3	0	40.4	4	0	30.8	6	0	28.2	4	0	37.8	1	1	42.2	2	1
2	HD3171 (C)	NE-RI-301	33.0	6	0	51.6	2	1	31.8	4	1	20.1	6	0	30.7	2	0	26.9	5	0
3	HD2888 (C)	NE-RI-302	45.3	4	0	28.1	5	0	32.3	3	1	28.9	3	0	18.1	6	0	30.9	3	0
4	K1317 (C)	NE-RI-304	58.2	1	1	49.9	3	0	31.8	4	1	29.7	2	0	20.6	5	0	30.6	4	0
5	HI1612 (C)	NE-RI-305	57.4	2	1	52.8	1	1	34.9	1	1	31.1	1	1	29.3	3	0	42.5	1	1
6	DBW252(I)(C)	NE-RI-306	45.2	5	0	24.8	6	0	34.1	2	1	26.9	5	0	22.0	4	0	24.9	6	0
G.M.			47.9			41.3			32.6			27.5			26.4			33.0		
S.E.(M)			0.746			0.939			1.339			0.186			1.423			2.416		
C.D. (10%)			1.9			2.3			3.3			0.5			3.5			6.0		
C.V.			3.1			4.6			8.2			1.4			10.8			14.6		
D.O.S.(dd.mm.yy)			06.11.19			09.11.19			10.11.19			30.10.19			09.11.19			28.10.19		

No. of Trials : Proposed = 19 Conducted = 19
Trials not reported (04) = Ayodhya (RMT), Majhian (RMT), Bishwanath (RMT), Deegh (TF)

1933-AVT-RI-TS-TAS-NEPZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Bihar			W.B.				Jharkhand										
			RPCAU-Pusa			Kalyani		Burdwan		Coochbehar		Ranchi		Chianki						
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G			
1	HD3293*	NE-RI-303	30.7	6	0	31.7	6	0	30.9	5	1	33.9	3	1	60.4	4	0	35.6	4	1
2	HD3171 (C)	NE-RI-301	30.7	5	0	36.7	1	1	30.4	6	1	24.2	6	0	62.7	3	1	36.9	3	1
3	HD2888 (C)	NE-RI-302	32.5	3	0	36.6	2	1	33.4	4	1	26.9	5	0	44.1	5	0	40.5	1	1
4	K1317 (C)	NE-RI-304	39.1	1	1	34.3	4	0	34.8	2	1	36.7	2	1	65.8	1	1	38.8	2	1
5	HI1612 (C)	NE-RI-305	39.1	1	1	35.8	3	1	34.5	3	1	37.6	1	1	63.2	2	1	35.2	5	1
6	DBW252(I)(C)	NE-RI-306	31.9	4	0	32.9	5	0	35.2	1	1	29.5	4	0	42.4	6	0	28.1	6	0
G.M.			34.0			34.7			33.2			31.5			56.4			35.9		
S.E.(M)			0.847			0.786			2.053			1.772			2.160			2.408		
C.D. (10%)			2.1			1.9			5.1			4.4			5.4			6.0		
C.V.			5.0			4.5			12.4			11.3			7.7			13.4		
D.O.S.(dd.mm.yy)			08.11.19			08.11.19			15.11.19			04.11.19			10.11.19			10.11.19		

1933-AVT-RI-TS-TAS-NEPZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Jharkhand						Assam		
			Gumla			Dumka			Shillongani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3293*	NE-RI-303	43.1	3	1	30.1	5	0	39.3	2	1
2	HD3171 (C)	NE-RI-301	43.8	2	1	34.4	2	1	27.7	4	0
3	HD2888 (C)	NE-RI-302	28.1	5	0	31.5	4	0	26.5	6	0
4	K1317 (C)	NE-RI-304	50.0	1	1	36.4	1	1	30.7	3	0
5	HI1612 (C)	NE-RI-305	34.4	4	0	33.2	3	1	42.1	1	1
6	DBW252(I)(C)	NE-RI-306	27.1	6	0	28.5	6	0	27.0	5	0
G.M.			37.7			32.3			32.2		
S.E.(M)			2.985			1.656			1.476		
C.D. (10%)			7.4			4.1			3.7		
C.V.			15.8			10.2			9.2		
D.O.S.(dd.mm.yy)			09.11.19			07.11.19			05.11.19		

1933-AVT-RI-TS-TAS-NEPZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	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	HD3293*	NE-RI-303	39.8	3	0	34.7	2	1	32.1	5	0	42.3	3	0	39.3	2	1	37.6	3	0
2	HD3171 (C)	NE-RI-301	38.8	4	0	27.1	5	0	30.4	6	0	44.4	2	0	27.7	4	0	34.8	4	0
3	HD2888 (C)	NE-RI-302	35.2	5	0	27.6	4	0	32.3	4	0	36.1	5	0	26.5	6	0	32.3	5	0
4	K1317 (C)	NE-RI-304	46.6	2	0	30.0	3	0	35.3	2	1	47.7	1	1	30.7	3	0	39.2	2	0
5	HI1612 (C)	NE-RI-305	48.4	1	1	35.5	1	1	35.9	1	1	41.5	4	0	42.1	1	1	40.2	1	1
6	DBW252(I)(C)	NE-RI-306	34.7	6	0	26.5	6	0	32.5	3	0	31.5	6	0	27.0	5	0	30.7	6	0
G.M.			40.6			30.2			33.1			40.6			32.2			35.8		
S.E.(M)			0.599			0.734			0.941			1.176			1.476			0.443		
C.D. (10%)			1.4			1.7			2.2			2.8			3.7			1.0		

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-RI-TS-TAS, 2019-20

SN	Variety	Code	Disease Reaction			Agronomic Characteristics							Grain Characteristics				
			Br	ACI	HS(Av.)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD3293*	NE-RI-303	0	0	56(24)	70-88	80	107-147	128	76-124	99	15	Ey	A	SH	34-55	46
2	HD3171 (C)	NE-RI-301	30S	13.3	67(34)	64-89	74	105-145	124	81-107	96	20	Ey	A	SH	34-60	46
3	HD2888 (C)	NE-RI-302	0	0	35(23)	68-99	84	113-150	130	87-144	116	35	Ey	A	SH	31-50	41
4	K1317 (C)	NE-RI-304	20S	6.7	57(46)	72-91	81	109-147	128	84-117	98	20	Ey	A	SH	35-56	47
5	HI1612 (C)	NE-RI-305	0	0	45(23)	68-98	86	115-153	132	81-110	98	15	Ey	A	H	32-51	43
6	DBW252(I)(C)	NE-RI-306	0	0	57(24)	67-99	84	117-149	131	79-135	111	35	Ey	A	SH	34-50	41

1. Ancillary data from Varanasi, Chianki, Dumka, Ghaghraghat, Gumla, IARI-Pusa, Kalyani, Kanpur, Purnea, Ranchi, RPCAU-Pusa, Sabour and Shillongani; 2. Brown rust data from Kanpur, Sabour and Shillongani
3. Leaf blight data from Ranchi, RPCAU-Pusa, Sabour, Shillongani and Coochbehar

Individual Station Brown rust and Leaf blight data

SN	Variety	Code	Brown Rust			Leaf Blight				
			Kanpur	Sabour	Shillongani	Ranchi	RPCAU-Pusa	Sabour	Shillongani	Coochbehar
1	HD3293*	NE-RI-303	0	0	0	03	23	23	24	56
2	HD3171 (C)	NE-RI-301	10S	30S	20S	13	00	35	36	67
3	HD2888 (C)	NE-RI-302	0	0	0	14	00	35	12	34
4	K1317 (C)	NE-RI-304	0	20S	0	24	35	57	46	56
5	HI1612 (C)	NE-RI-305	0	0	0	13	00	23	24	45
6	DBW252(I)(C)	NE-RI-306	0	0	0	13	13	57	24	34