

**2033-AVT-RI-TS-TAS-NEPZ, 2020-21  
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	U.P.																	
			Kanpur			Prayagraj			Araul			Ghaghraghat			Ayodhya			Varanasi		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1653	NERI301	40.8	8	0	45.8	6	1	34.9	10	0	33.5	14	0	42.4	4	0	26.8	4	0
2	DBW322	NERI302	44.0	3	1	42.2	8	0	37.7	4	0	41.0	2	1	37.5	11	0	23.5	11	0
3	DBW321	NERI305	46.5	1	1	39.6	9	0	33.1	13	0	37.6	12	0	46.8	1	1	24.7	6	0
4	HD3368 <sup>#</sup>	NERI306	34.8	13	0	47.4	4	1	39.3	3	0	40.3	4	1	39.7	7	0	22.5	13	0
5	HI1654	NERI307	40.4	9	0	38.1	12	0	34.4	11	0	34.1	13	0	38.5	9	0	29.5	2	1
6	WH1281	NERI309	35.5	12	0	35.7	13	0	36.7	5	0	42.8	1	1	37.2	12	0	23.9	10	0
7	PBW848 <sup>#</sup>	NERI310	30.8	14	0	39.2	10	0	35.5	7	0	38.4	10	0	39.6	8	0	25.7	5	0
8	HD3369 <sup>#</sup>	NERI312	42.3	6	0	48.2	2	1	35.0	9	0	38.5	9	0	33.3	13	0	24.0	9	0
9	UP3062	NERI314	39.8	11	0	32.6	14	0	47.1	1	1	39.8	6	1	31.9	14	0	27.6	3	1
10	HI1612 (C)	NERI303	43.4	5	0	50.9	1	1	35.6	6	0	37.7	11	0	42.4	5	0	22.0	14	0
11	DBW252 (C)	NERI304	44.4	2	1	39.0	11	0	33.5	12	0	39.7	7	1	41.3	6	0	24.5	7	0
12	HD3171 (C)	NERI311	40.4	9	0	47.6	3	1	40.4	2	0	40.3	3	1	37.6	10	0	24.3	8	0
13	K1317 (C)	NERI313	43.8	4	1	46.0	5	1	29.5	14	0	38.8	8	0	46.3	2	1	23.2	12	0
14	HD3293(I)(C)	NERI308	41.9	7	0	44.9	7	1	35.1	8	0	40.1	5	1	44.0	3	1	30.2	1	1
G.M.			40.6			42.6			36.3			38.8			39.9			25.2		
S.E.(M)			0.941			2.822			0.852			1.217			1.519			0.969		
C.D. (10%)			2.7			8.1			2.4			3.5			4.3			2.8		
C.V.			4.6			13.2			4.7			6.3			7.6			7.7		
D.O.S.(dd.mm.yy)			27.10.20			15.11.20			08.11.20			07.11.21			09.11.20			05.11.20		

No. of Trials : Proposed = 20 Conducted = 20  
Trials not reported (06) = Gorakhpur (RMT), Gauria-Karma (RMT), IARI-Pusa (LCV), Purnea (LSM), Coochbehar (LSM), Dumka (LSM)

**2033-AVT-RI-TS-TAS-NEPZ, 2020-21  
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Bihar						West Bengal						Jharkhand					
			Sabour			RPCAU-Pusa			Kalyani			Burdwan			Manikchak			Ranchi		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1653	NERI301	40.8	2	1	38.5	1	1	31.6	5	1	30.2	3	0	32.4	12	0	40.7	2	1
2	DBW322	NERI302	41.8	1	1	34.2	5	0	31.9	3	1	29.2	7	0	32.5	11	0	38.5	6	1
3	DBW321	NERI305	37.0	8	0	32.9	7	0	29.0	11	0	28.3	9	0	35.5	9	0	32.6	11	0
4	HD3368 <sup>#</sup>	NERI306	37.7	5	1	30.4	8	0	33.9	2	1	27.5	11	0	45.2	2	1	36.4	7	1
5	HI1654	NERI307	35.8	10	0	34.1	6	0	29.2	10	0	29.0	8	0	35.3	10	0	39.3	3	1
6	WH1281	NERI309	34.0	13	0	22.7	13	0	30.7	6	0	31.9	2	0	32.3	13	0	34.2	9	0
7	PBW848 <sup>#</sup>	NERI310	30.4	14	0	22.7	12	0	28.0	12	0	27.2	12	0	30.2	14	0	34.9	8	0
8	HD3369 <sup>#</sup>	NERI312	37.7	6	1	26.8	11	0	34.0	1	1	27.9	10	0	37.5	5	0	40.8	1	1
9	UP3062	NERI314	37.2	7	0	29.2	10	0	26.9	14	0	29.7	5	0	39.6	3	0	31.9	12	0
10	HI1612 (C)	NERI303	35.6	11	0	35.1	3	0	29.3	8	0	29.3	6	0	36.6	7	0	38.9	4	1
11	DBW252 (C)	NERI304	38.4	3	1	29.9	9	0	28.0	13	0	29.7	4	0	47.4	1	1	38.5	5	1
12	HD3171 (C)	NERI311	36.6	9	0	22.6	14	0	30.7	6	0	24.7	13	0	37.5	4	0	31.9	13	0
13	K1317 (C)	NERI313	34.4	12	0	35.0	4	0	31.9	3	1	37.9	1	1	37.2	6	0	33.7	10	0
14	HD3293(I)(C)	NERI308	37.8	4	1	36.1	2	0	29.3	8	0	24.2	14	0	36.5	8	0	28.1	14	0
G.M.			36.8			30.7			30.3			29.0			36.8			35.7		
S.E.(M)			1.503			0.724			0.865			1.639			2.541			2.052		
C.D. (10%)			4.3			2.1			2.5			4.7			7.3			5.9		
C.V.			8.2			4.7			5.7			11.3			13.8			11.5		
D.O.S.(dd.mm.yy)			07.11.20			09.11.20			09.11.20			09.11.20			10.11.20			03.11.20		

**2033-AVT-RI-TS-TAS-NEPZ, 2020-21  
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Jharkhand			Assam		
			Chianki			Shillongani		
			Yield	Rk	G	Yield	Rk	G
1	HI1653	NERI301	29.4	14	0	31.9	2	1
2	DBW322	NERI302	39.6	5	1	30.6	3	1
3	DBW321	NERI305	42.6	2	1	26.9	7	0
4	HD3368 <sup>#</sup>	NERI306	32.8	10	0	26.9	7	0
5	HI1654	NERI307	34.6	9	0	27.0	6	0
6	WH1281	NERI309	35.6	8	0	25.3	10	0
7	PBW848 <sup>#</sup>	NERI310	31.8	12	0	24.8	11	0
8	HD3369 <sup>#</sup>	NERI312	32.3	11	0	22.6	12	0
9	UP3062	NERI314	30.8	13	0	27.0	5	0
10	HI1612 (C)	NERI303	42.9	1	1	27.2	4	0
11	DBW252 (C)	NERI304	38.5	6	1	25.6	9	0
12	HD3171 (C)	NERI311	40.5	4	1	20.5	13	0
13	K1317 (C)	NERI313	41.8	3	1	19.5	14	0
14	HD3293(I)(C)	NERI308	38.5	7	1	32.7	1	1
G.M.			36.5			26.3		
S.E.(M)			1.676			0.787		
C.D. (10%)			4.8			2.3		
C.V.			9.2			6.0		
D.O.S.(dd.mm.yy)			05.11.20			10.11.20		

**2033-AVT-RI-TS-TAS-NEPZ, 2020-21  
STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	U.P.			Bihar			West Bengal			Jharkhand			Assam			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1653	NERI301	37.4	7	0	39.6	1	1	31.4	8	0	35.0	9	0	31.9	2	1	35.7	3	1
2	DBW322	NERI302	37.7	6	0	38.0	2	1	31.2	9	0	39.0	2	1	30.6	3	1	36.0	2	1
3	DBW321	NERI305	38.0	4	1	34.9	5	0	30.9	12	0	37.6	5	0	26.9	7	0	35.2	8	1
4	HD3368 <sup>#</sup>	NERI306	37.3	8	0	34.0	9	0	35.5	2	1	34.6	11	0	26.9	7	0	35.3	7	1
5	HI1654	NERI307	35.8	12	0	34.9	6	0	31.2	10	0	36.9	6	0	27.0	6	0	34.2	10	0
6	WH1281	NERI309	35.3	13	0	28.3	13	0	31.7	7	0	34.9	10	0	25.3	10	0	32.7	13	0
7	PBW848 <sup>#</sup>	NERI310	34.9	14	0	26.6	14	0	28.4	14	0	33.4	12	0	24.8	11	0	31.4	14	0
8	HD3369 <sup>#</sup>	NERI312	36.9	10	0	32.2	11	0	33.1	4	0	36.6	7	0	22.6	12	0	34.3	9	0
9	UP3062	NERI314	36.5	11	0	33.2	10	0	32.1	5	0	31.4	14	0	27.0	5	0	33.6	12	0
10	HI1612 (C)	NERI303	38.6	2	1	35.3	4	0	31.7	6	0	40.9	1	1	27.2	4	0	36.2	1	1
11	DBW252 (C)	NERI304	37.0	9	0	34.2	8	0	35.0	3	1	38.5	3	1	25.6	9	0	35.6	6	1
12	HD3171 (C)	NERI311	38.4	3	1	29.6	12	0	31.0	11	0	36.2	8	0	20.5	13	0	34.0	11	0
13	K1317 (C)	NERI313	38.0	5	1	34.7	7	0	35.7	1	1	37.7	4	0	19.5	14	0	35.7	5	1
14	HD3293(I)(C)	NERI308	39.4	1	1	37.0	3	0	30.0	13	0	33.3	13	0	32.7	1	1	35.7	4	1
G.M.			37.2			33.8			32.1			36.1			26.3			34.7		
S.E.(M)			0.630			0.834			1.048			1.325			0.787			0.420		
C.D. (10%)			1.5			2.0			2.5			3.1			2.3			1.0		

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-RI-TS-TAS, 2020-21

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	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HI1653	NERI301	10S	57(35)	64-86	75	104-145	123	80-114	98	0	Ey	A	SH	26-56	47
2	DBW322	NERI302	tS	57(46)	63-84	75	105-139	124	84-104	92	0	Ey	A	SH	29-47	40
3	DBW321	NERI305	20S	43(24)	73-90	83	98-142	126	84-109	96	0	Ey	A	SH	28-48	40
4	HD3368 <sup>#</sup>	NERI306	10S	87(35)	62-83	73	100-144	123	79-103	92	0	Ey	A	SH	29-49	41
5	HI1654	NERI307	10S	43(34)	63-95	84	110-145	128	83-108	96	0	Ey	A	SH	26-50	41
6	WH1281	NERI309	0	76(35)	71-89	80	110-147	126	70-111	95	0	Ey	A	SH	27-48	41
7	PBW848 <sup>#</sup>	NERI310	5S	76(46)	69-87	79	102-146	124	69-107	89	0	Ey	A	SH	29-71	42
8	HD3369 <sup>#</sup>	NERI312	0	47(35)	67-91	79	98-147	124	76-114	97	0	Ey	A	SH	22-49	42
9	UP3062	NERI314	0	57(24)	69-95	83	102-147	127	79-116	98	0	Ey	A	SH	25-48	39
10	HI1612 (C)	NERI303	20S	57(35)	75-96	86	102-147	127	75-112	95	30	Ey	A	SH	23-52	40
11	DBW252 (C)	NERI304	5S	43(25)	74-91	82	109-143	127	82-116	102	30	Ey	A	SH	26-50	41
12	HD3171 (C)	NERI311	0	54(24)	57-85	71	103-145	124	64-108	94	0	Ey	A	SH	24-51	43
13	K1317 (C)	NERI313	0	46(24)	67-91	82	106-146	127	80-114	98	0	Ey	A	SH	24-56	45
14	HD3293(I) (C)	NERI308	10S	43(24)	65-89	79	109-146	127	76-119	103	30	Ey	A	SH	28-51	43

1. Ancillary data from Ayodhya, Varanasi, Burdwan, Chianki, Coochbehar, Dumka, Gauriakarma, Ghaghraghat, Gorakhpur, Kalyani, Kanpur, Manikchak, Prayagraj, Purnea, Ranchi, RPCAU, Pusa, Sabour and Shillongani.
2. Brown rust data from Manikchak only.
3. Leaf blight data from Ayodhya, Varanasi, Coochbehar, Manikchak, RPCAU-Pusa, Sabour and Shillongani.
4. Lodging reported from RPCAU-Pusa.

**AVT-RI-TS-TAS-NEPZ, 2020-21**  
**North Eastern Plains Zone**  
**Individual Station Leaf Blight Data**

SN	Variety	Code	Ayodhya	Varanasi	Coochbehar	Manikchak	RPCAUPusa	Sabour	Shillongani
1.	HI1653	NERI301	24	24	23	37	43	57	24
2.	DBW322	NERI302	36	57	23	48	54	57	35
3.	DBW321	NERI305	12	35	12	36	43	35	24
4.	HD3368 <sup>#</sup>	NERI306	12	47	23	27	87	35	36
5.	HI1654	NERI307	23	35	12	36	43	23	36
6.	WH1281	NERI309	24	47	13	17	76	35	24
7.	PBW848 <sup>#</sup>	NERI310	46	47	25	37	76	68	24
8.	HD3369 <sup>#</sup>	NERI312	34	47	13	39	43	46	35
9.	UP3062	NERI314	23	57	12	26	43	02	24
10.	HI1612 (C)	NERI303	34	57	12	29	32	35	24
11.	DBW252 (C)	NERI304	24	24	13	28	43	35	25
12.	HD3171 (C)	NERI311	12	24	13	35	54	35	24
13.	K1317 (C)	NERI313	24	24	13	15	32	46	24
14.	HD3293(I) (C)	NERI308	35	24	13	37	43	24	24