

**2231-AVT-IR-TS-TAS-NEPZ, 2022-23**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	U.P.			Bihar		W.Bengal		Jharkhand	Assam															
			Kanpur	Ayodhya		Varanasi		RPCAU-Pusa		Kalyani	Burdwan	Ranchi	Shillongani													
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G												
1	HD3388*	NETS106	57.9	1	1	58.1	3	1	56.4	2	1	46.5	7	0	37.0	10	0	45.7	7	0	48.1	5	0	50.3	2	1
2	HD3471 <sup>M</sup>	NETS101	46.5	7	0	52.9	7	0	40.9	10	0	49.7	3	0	41.1	6	0	55.9	1	1	38.5	10	0	36.4	9	0
3	HD3470 <sup>M</sup>	NETS103	45.1	8	0	51.3	8	0	48.1	9	0	40.7	10	0	41.0	7	0	38.9	8	0	41.3	9	0	29.7	10	0
4	DBW386 <sup>#</sup>	NETS108	57.5	2	1	54.9	5	0	56.6	1	1	53.2	1	1	42.0	3	0	50.1	4	1	51.9	3	1	42.1	5	0
5	DBW187(C)	NETS104	52.1	4	0	59.5	2	1	53.1	4	0	48.3	4	0	45.7	2	1	37.0	9	0	43.1	8	0	41.8	6	0
6	HD3086(C)	NETS105	43.5	10	0	54.3	6	0	51.7	6	0	52.1	2	1	41.3	4	0	46.0	6	0	49.0	4	0	50.8	1	1
7	DBW222(C)	NETS107	55.4	3	0	56.6	4	0	53.4	3	0	47.0	5	0	39.4	8	0	51.6	2	1	45.8	6	0	45.9	4	0
8	HD2967(C)	NETS109	47.0	6	0	59.8	1	1	50.6	7	0	41.2	9	0	38.9	9	0	35.8	10	0	52.8	2	1	40.8	8	0
9	HD3249(C)	NETS110	48.7	5	0	49.3	9	0	52.6	5	0	45.7	8	0	46.4	1	1	47.1	5	0	45.7	7	0	41.1	7	0
10	PBW826(I)(C)	NETS102	44.2	9	0	44.4	10	0	49.4	8	0	46.9	6	0	41.3	4	0	51.1	3	1	55.2	1	1	47.2	3	0
G.M.			49.8			54.1			51.3			47.1			41.4			45.9			47.1			42.6		
S.E.(M)			1.011			0.861			1.160			0.955			1.771			2.631			1.438			0.879		
C.D. (10%)			2.4			2.1			2.8			2.3			4.3			6.3			3.5			2.1		
C.V.			4.1			3.2			4.5			4.1			8.6			11.5			6.1			4.1		
D.O.S.(dd.mm.yy)			13.11.22			13.11.22			14.11.22			14.11.22			14.11.22			10.11.22			12.11.22			12.11.22		

No. of Trials : Proposed =13      Conducted = 12      Trial not conducted (01) = Mau  
Trials not reported (04) =Sabour (RMT), Prayagraj (LSM, LS), Dumka (LSM), Coochdehar (LSM)

**2231-AVT-IR-TS-TAS-NEPZ, 2022-23**  
**STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	U.P.			Bihar		W.Bengal		Jharkhand	Assam	Zonal								
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G						
1	HD3388*	NETS106	57.5	1	1	46.5	7	0	41.3	8	0	48.1	5	0	50.3	2	1	50.0	2	1
2	HD3471 <sup>M</sup>	NETS101	46.8	9	0	49.7	3	0	48.5	1	1	38.5	10	0	36.4	9	0	45.2	9	0
3	HD3470 <sup>M</sup>	NETS103	48.2	8	0	40.7	10	0	40.0	9	0	41.3	9	0	29.7	10	0	42.0	10	0
4	DBW386 <sup>#</sup>	NETS108	56.3	2	1	53.2	1	1	46.0	4	1	51.9	3	1	42.1	5	0	51.0	1	1
5	DBW187(C)	NETS104	54.9	4	0	48.3	4	0	41.3	7	0	43.1	8	0	41.8	6	0	47.6	5	0
6	HD3086(C)	NETS105	49.8	7	0	52.1	2	1	43.7	6	0	49.0	4	0	50.8	1	1	48.6	4	0
7	DBW222(C)	NETS107	55.1	3	0	47.0	5	0	45.5	5	1	45.8	6	0	45.9	4	0	49.4	3	0
8	HD2967(C)	NETS109	52.4	5	0	41.2	9	0	37.3	10	0	52.8	2	1	40.8	8	0	45.9	8	0
9	HD3249(C)	NETS110	50.2	6	0	45.7	8	0	46.7	2	1	45.7	7	0	41.1	7	0	47.1	7	0
10	PBW826(I)(C)	NETS102	46.0	10	0	46.9	6	0	46.2	3	1	55.2	1	1	47.2	3	0	47.5	6	0
G.M.			51.7			47.1			43.7			47.1			42.6			47.4		
S.E.(M)			0.588			0.955			1.585			1.438			0.879			0.514		
C.D. (10%)			1.4			2.3			3.8			3.5			2.1			1.2		

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-IR-TS-TAS-NEPZ, 2022-23

SN	Variety	Code	Br Rust reaction	Agronomic Characteristics							
				Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HD3388*	NETS106	0	67-90	79	110-134	124	85-106	95	38-47	43
2	HD3471 <sup>M</sup>	NETS101	0	58-86	76	108-135	123	84-102	92	33-48	42
3	HD3470 <sup>M</sup>	NETS103	0	54-81	72	104-133	120	73-95	85	35-46	40
4	DBW386 <sup>#</sup>	NETS108	5S	64-87	77	110-135	124	77-97	88	41-55	46
5	DBW187 (C)	NETS104	0	58-85	75	106-135	122	78-104	93	38-50	43
6	HD3086 (C)	NETS105	20S	57-84	73	105-136	121	88-98	92	34-47	39
7	DBW222 (C)	NETS107	0	66-88	78	109-137	124	89-103	95	37-51	42
8	HD2967 (C)	NETS109	5S	69-95	85	111-139	131	89-106	98	30-44	38
9	HD3249 (C)	NETS110	0	61-89	77	105-134	122	75-109	93	40-50	44
10	PBW826(I)(C)	NETS102	5S	61-85	77	110-137	123	78-95	87	40-51	46

1. Ancillary data from Ayodhya, Sabour, Burdwan, Coochbehar, Dumka, Kalyani, Kanpur, Prayagraj, Ranchi, RPCAU-Pusa, Shillongani and Varanasi.
2. Brown rust data reported from Kanpur.

**2233-AVT-RI-TS-TAS-NEPZ, 2022-23**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	U.P.			Bihar			W.Bengal			Jharkhand	Assam
			Kanpur	Prayagraj	Varanasi	Sabour	RPCAU-Pusa	Coochbehar	Kalyani	Burdwan	Ranchi	Shillongani	
			Yield Rk G	Yield Rk G	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	DBW398	NERI306	48.9 1 1	34.0 6 0	35.2 6 0	36.1 1 1	30.7 4 0	26.6 3 0	35.2 3 0	32.6 3 1	33.5 1 1	35.1 3 0	
2	HI1612(C)	NERI301	42.8 3 0	41.5 3 1	38.5 2 1	34.3 2 0	38.1 1 1	25.2 4 0	34.2 6 0	30.1 4 0	28.8 4 0	37.5 2 1	
3	HD3171(C)	NERI302	40.2 6 0	43.1 2 1	37.9 3 1	32.2 3 0	27.0 5 0	20.2 6 0	34.9 4 0	29.3 5 0	30.7 3 1	24.3 6 0	
4	K1317(C)	NERI303	42.8 4 0	40.5 5 1	39.9 1 1	31.5 4 0	33.2 2 0	34.6 1 1	34.7 5 0	27.6 6 0	33.3 2 1	34.1 4 0	
5	HD3293(C)	NERI304	42.3 5 0	41.3 4 1	37.9 3 1	30.2 6 0	24.2 6 0	24.1 5 0	38.0 1 1	33.7 1 1	26.6 6 0	27.9 5 0	
6	DBW252(C)	NERI305	45.7 2 1	44.6 1 1	37.3 5 1	30.4 5 0	31.4 3 0	27.3 2 0	37.3 2 1	33.2 2 1	28.3 5 0	37.7 1 1	
G.M.			43.8	40.8	37.8	32.5	30.8	26.3	35.7	31.1	30.2	32.8	
S.E.(M)			2.254	3.092	1.545	0.659	0.999	1.366	0.911	0.675	1.711	0.696	
C.D. (10%)			5.6	7.7	3.8	1.6	2.5	3.4	2.3	1.7	4.2	1.7	
C.V.			10.3	15.1	8.2	4.1	6.5	10.4	5.1	4.3	11.3	4.2	
D.O.S.(dd.mm.yy)			30.10.22	03.11.22	04.11.22	05.11.22	05.11.22	01.11.22	04.11.22	04.11.22	03.11.22	04.11.22	

No. of Trials : Proposed = 12 Conducted = 11  
 Trial not conducted (01) = Mau  
 Trials not reported (01) = Dumka (LS)

**2233-AVT-RI-TS-TAS-NEPZ, 2022-23**  
**STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	U.P.	Bihar	W.Bengal	Jharkhand	Assam	Zonal
			Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G
1	DBW398	NERI306	39.4 6 1	33.4 2 0	31.5 4 1	33.5 1 1	35.1 3 0	33.4 2 0
2	HI1612(C)	NERI301	41.0 3 1	36.2 1 1	29.8 5 0	28.8 4 0	37.5 2 1	35.1 1 1
3	HD3171(C)	NERI302	40.4 5 1	29.6 5 0	28.1 6 0	30.7 3 1	24.3 6 0	27.7 6 0
4	K1317(C)	NERI303	41.1 2 1	32.4 3 0	32.3 2 1	33.3 2 1	34.1 4 0	33.3 3 0
5	HD3293(C)	NERI304	40.5 4 1	27.2 6 0	32.0 3 1	26.6 6 0	27.9 5 0	28.8 5 0
6	DBW252(C)	NERI305	42.5 1 1	30.9 4 0	32.6 1 1	28.3 5 0	37.7 1 1	32.9 4 0
G.M.			40.8	31.6	31.0	30.2	32.8	31.3
S.E.(M)			1.376	0.598	0.592	1.711	0.696	0.500
C.D. (10%)			3.3	1.4	1.4	4.2	1.7	1.2

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: AVT-RI-TS-TAS-NEPZ, 2022-23

SN	Variety	Code	Disease Reaction		Agronomic Characteristics							
			LB, HS(Av)	Br rust	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	DBW398	NERI306	56(45)	20S	57-90	74	105-138	124	76-97	88	35-52	45
2	HI1612(C)	NERI301	46(35)	0	63-96	83	107-141	126	78-101	91	32-48	40
3	HD3171(C)	NERI302	57(46)	10S	51-86	70	103-139	123	76-99	90	32-50	42
4	K1317(C)	NERI303	57(35)	0	60-92	79	107-140	126	87-108	97	33-51	43
5	HD3293(C)	NERI304	56(35)	10S	61-90	79	109-138	126	90-109	99	36-50	42
6	DBW252(C)	NERI305	45(34)	0	62-92	81	108-141	126	88-106	96	31-47	41

1. Ancillary data from Sabour, Burdwan, Coochbehar, Dumka, Kalyani, Kanpur, Prayagraj, Ranchi, RPCAU-Pusa, Shillongani and Varanasi centres.
2. Brown rust data reported from Kanpur.
3. Leaf blight data from Sabour, Burdwan, Coochbehar, Kalyani and RPCAU- Pusa.

### Individual Station Leaf Blight Data

SN	Variety	Code	Leaf blight				
			Sabour	Burdwan	Coochbehar	Kalyani	RPCAU- Pusa
1	DBW398	NERI306	56	45	23	46	45
2	HI1612(C)	NERI301	46	35	13	25	45
3	HD3171(C)	NERI302	35	57	45	36	56
4	K1317(C)	NERI303	36	57	34	25	45
5	HD3293(C)	NERI304	46	45	23	25	56
6	DBW252(C)	NERI305	35	45	34	24	34