

**2165-SPL-MABB -NEPZ-IR-TS-TAS, 2021-22**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	U.P.						W.Bengal			Jharkhand					
		Araul			Ayodhya			Gorakhpur			Burdwan			Chianki		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3406 <sup>M*</sup>	53.6	8	0	45.8	7	0	42.5	7	0	37.5	7	0	43.0	9	0
2	HD3411 <sup>M*</sup>	58.9	2	1	47.5	5	1	44.0	5	0	37.0	8	0	52.5	3	1
3	HD3436	55.4	6	0	45.7	8	0	41.4	9	0	39.6	5	0	48.3	7	0
4	HD3437	55.5	5	0	44.0	10	0	45.4	3	0	41.8	2	0	48.9	6	0
5	HD3440	51.1	9	0	44.7	9	0	44.0	6	0	40.3	4	0	33.8	10	0
6	DBW187(C)	56.5	4	0	48.2	4	1	49.0	1	1	41.7	3	0	55.9	1	1
7	HD2733(C)	50.1	10	0	49.8	2	1	40.3	10	0	36.3	10	0	52.9	2	1
8	HD2967(C)	54.0	7	0	47.2	6	1	46.2	2	0	45.8	1	1	49.1	5	0
9	HD3086(C)	61.7	1	1	49.0	3	1	45.2	4	0	36.9	9	0	46.2	8	0
10	HD3249(C)	58.5	3	0	50.8	1	1	42.4	8	0	37.5	6	0	50.9	4	0
G.M.		55.5			47.3			44.0			39.4			48.2		
S.E.(M)		1.199			1.691			0.315			1.044			1.982		
C.D. (10%)		2.9			4.1			0.8			2.5			4.8		
C.V.		4.3			7.2			1.4			5.3			8.2		
D.O.S.(dd.mm.yy)		01.11.21			14.11.21			15.11.21			10.11.21			15.11.21		

No. of Trials : Proposed = 18 Conducted = 18  
 Trial not reported (13) = Ghagrahat (LSM), Prayagraj (LSM), Varanasi (LS), Manikchak (RMT)  
 Sabour (LSM), Purnea (LSM), RPCAU-Pusa (LSM), Coochbehar (LSM)  
 Kalyani(LSM), Ranchi(LS), Dumka(LSM), Shillongani(LSM), Kanpur(RMT)

**2165-SPL-MABB -NEPZ-IR-TS-TAS, 2021-22**  
**STATE AND ZONAL MEANS (q/ha)**

SN	Variety	U.P.			W.Bengal			Jharkhand			Zonal		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3406 <sup>M*</sup>	47.3	8	0	37.5	7	0	43.0	9	0	44.5	9	0
2	HD3411 <sup>M*</sup>	50.1	4	0	37.0	8	0	52.5	3	1	48.0	4	0
3	HD3436	47.5	7	0	39.6	5	0	48.3	7	0	46.1	7	0
4	HD3437	48.3	6	0	41.8	2	0	48.9	6	0	47.1	6	0
5	HD3440	46.6	10	0	40.3	4	0	33.8	10	0	42.8	10	0
6	DBW187(C)	51.2	2	1	41.7	3	0	55.9	1	1	50.2	1	1
7	HD2733(C)	46.7	9	0	36.3	10	0	52.9	2	1	45.9	8	0
8	HD2967(C)	49.1	5	0	45.8	1	1	49.1	5	0	48.5	2	0
9	HD3086(C)	52.0	1	1	36.9	9	0	46.2	8	0	47.8	5	0
10	HD3249(C)	50.6	3	1	37.5	6	0	50.9	4	0	48.0	3	0
G.M.		48.9			39.4			48.2			46.9		
S.E.(M)		0.699			1.044			1.982			0.614		
C.D. (10%)		1.6			2.5			4.8			1.4		

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: SPL- MABB- IR-TS-TAS-NEPZ, 2021-22

SN	Variety	Disease Reactions		Agronomic Characteristics							
		Br	LB(HS, Av.)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HD3406*	10S	45(35)	67-95	88	120-145	131	80-113	100	33-48	41
2	HD3411*	40S	49(34)	74-96	85	118-142	129	78-117	100	31-56	43
3	HD3436	40S	45(34)	78-96	90	118-142	131	79-102	94	26-48	41
4	HD3437	0	46(34)	72-95	88	118-143	130	87-111	100	32-47	41
5	HD3440	0	57(34)	81-100	90	120-153	134	81-110	96	29-48	42
6	DBW187(C)	20S	45(34)	69-92	81	115-138	125	70-109	95	32-53	42
7	HD2733(C)	tMR	57(24)	78-93	88	121-143	130	77-104	90	34-51	44
8	HD2967(C)	0	46(34)	75-101	90	124-146	132	76-107	97	31-47	39
9	HD3086(C)	60S	47(34)	68-90	80	112-139	126	74-110	92	27-51	41
10	HD3249(C)	20S	47(24)	64-93	80	117-140	126	73-112	96	29-49	43

1. Ancillary data reported from Araul, Ayodhya, Burdwan, Chianki, Coochbehar, Ghaghraghat, Gorakhpur, Kalyani, Manichak, Prayagraj, Purnea, Ranchi, RPCAU-Pusa, Sabour, Shilongini and Varanasi; 2. Brown rust data received from Araul only;
3. Leaf blight data received from Ayodhya, Coochbehar, Kalyani, Manichak, RPCAU-Pusa, Sabour, Shilongini and Prayagraj

### Individual Location Disease Data

SN	Variety	Leaf Blight						
		Ayodhya	Coochbehar	Kalyani	Manichak	RPCAU Pusa	Sabour	Shilongini
1	HD3406*	36	23	13	35	35	25	45
2	HD3411*	12	35	12	23	45	35	49
3	HD3436	35	23	36	13	34	34	45
4	HD3437	46	23	35	14	34	24	45
5	HD3440	24	23	00	35	34	46	57
6	DBW187(C)	36	23	00	24	45	34	45
7	HD2733(C)	12	34	12	13	34	34	57
8	HD2967(C)	36	23	12	23	45	46	46
9	HD3086(C)	35	23	00	24	34	46	47
10	HD3249(C)	12	35	13	12	24	34	47

MABB-IR-TS-NEPZ													
Variety	Spp.	COL_COL	GR_HAB	FOL_COL	AUR_COL	AUR_PUB	FLAG_ATT	Days to Heading	Days to Heading	WAX_LS	WAX_FL	WAX_EAR	WAX_PED
HD 3406	<i>T.aes</i>	Absent	Semi-erect	Dark green	Absent	Medium	Semi erect	108	Late	Strong	Medium	Strong	Strong
HD 3411	<i>T.aes</i>	Absent	intermediat	Green	Absent	Medium	Semi erect	100	Medium	Strong	Weak	Strong	Strong
HD 3436	<i>T.aes</i>	Absent	Semi-erect	Green	Absent	Medium	Semi erect	108	Late	Strong	Weak	Weak	Strong
HD 3437	<i>T.aes</i>	Absent	Semi-erect	Green	Absent	Medium	Drooping	104	Late	Strong	Medium	Medium	Strong
HD 3440	<i>T.aes</i>	Absent	intermediat	Green	Absent	Medium	Semi erect	108	Late	Strong	Weak	Medium	Medium
HD 2967(RP)	<i>T.aes</i>	Absent	Semi-erect	Dark green	Absent	Medium	Semi erect	111	Very late	Strong	Medium	Strong	Strong
HD 2733 (RP)	<i>T.aes</i>	Absent	intermediat	Green	Absent	Medium	Erect	105	Late	Strong	Medium	Strong	Strong
Variety	FLAG_LEN	FLAG_LEN	FLAG_BRE	FLAG_BRE	HT	HT	EAR_SH	EAR_DEN	EAR_L	EAR_L	AWN_LEN	AWN_LEN	AWN_COL
HD 3406	32.7	Long	2.1	Broad	112.0	Long	Tapering	Medium	14.2	Very long	8.8	Medium	White
HD 3411	31.3	Long	2.1	Broad	120.7	Very Long	Tapering	Medium	11.2	Long	7.7	Medium	White
HD 3436	28.3	Medium	2.0	Medium	105.7	Long	Tapering	Medium	11.7	Long	7.8	Medium	Light brown
HD 3437	28.3	Medium	2.1	Broad	113.0	Long	Tapering	Medium	9.7	Medium	7.0	Short	Light brown
HD 3440	31.0	Long	2.5	Broad	113.7	Long	Tapering	Medium	11.2	Long	8.4	Medium	Light brown
HD 2967(RP)	28.7	Medium	2.0	Medium	107.3	Long	Tapering	Medium	12.8	Very long	7.6	Medium	White
HD 2733 (RP)	27.5	Medium	1.8	Medium	112.3	Long	Tapering	Medium	9.6	Medium	6.9	Short	White
Variety	AWN_ATT	Lower_GL _Shape	GLU_PUB	EAR_COL	SHL_WID	SHL_SHP	BEAK_L	BEAK_SH	Ped_L	Ped_L	Ped_att.	PHENOL	GR_COL
HD 3406	Medium		Absent	White	Medium	Elevated	Medium	Moderately	38.3	Medium	Bent	Dark	Amber
HD 3411	Medium		Absent	White	Medium/	Round/Str	Short/Sho	Straight/	41.7	Medium	Bent	Medium	Amber
HD 3436	Medium		Absent	Light brown	Medium	Straight	Long	Moderately	37.0	Medium	Bent	Dark	Amber
HD 3437	Medium		Absent	Light brown	Medium	Straight	Medium	Moderately	39.7	Medium	Bent	Medium	Amber
HD 3440	Medium		Absent	Light brown	Broad	Straight	Short	Moderately	34.0	Medium	Bent	Dark	Amber
HD 2967(RP)	Medium		Absent	White	Medium	Elevated	Medium	Moderately	36.7	Medium	Bent	Dark	Amber
HD 2733 (RP)	Medium		Absent	White	Medium	Straight	Short	Moderately	36.0	Medium	Crooked	Dark	Amber
Variety	GR_SH	Germ_wid	BRUSH_L	Grain Crease	TGW	Rachis_Bri ttleness	GR-TEX	Grain_Thre sibility					
HD 3406	Ovate	Medium	Medium		Small		Semi hard						
HD 3411	Oblong	Medium	Medium		Medium		Hard						
HD 3436	Ovate	Medium	Medium		Small		Semi hard						
HD 3437	Ovate	Medium	Medium		Medium		Semi hard						
HD 3440	Oblong	Medium	Absent		Medium		Hard						
HD 2967(RP)	Ovate	Medium	Medium		Small		Semi hard						
HD 2733 (RP)	Oblong	Medium	Long		Small		Semi hard						