

2167-SPL-MABB-CZ -IR-LS-TAS, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Gujarat										M.P.							
		Anand			Junagadh			Vijapur			SK Nagar			Sanosara			Indore		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3407 ^{MQ*}	52.5	4	1	69.6	5	0	37.8	8	0	37.8	4	1	45.9	5	0	63.9	1	1
2	HD3438	58.7	1	1	75.1	1	1	45.5	1	1	46.1	1	1	51.5	1	1	62.8	2	1
3	HD3439	49.1	6	0	67.2	6	0	38.9	7	0	34.3	7	0	43.6	7	0	61.1	5	1
4	CG1029(C)	53.2	3	1	70.7	4	1	43.8	2	1	45.6	2	1	47.3	4	0	61.9	3	1
5	HD2864(C)	49.8	5	0	67.2	6	0	42.7	4	1	40.0	3	1	45.6	6	0	61.2	4	1
6	HD2932(C)	53.3	2	1	71.5	2	1	41.3	6	1	36.5	5	0	50.6	2	1	60.9	6	1
7	HI1634(C)	48.3	7	0	71.3	3	1	42.5	5	1	34.6	6	0	47.7	3	0	60.4	7	0
8	MP3336(C)	44.4	8	0	64.2	8	0	43.1	3	1	33.7	8	0	41.7	8	0	56.7	8	0
G.M.		51.1			69.6			41.9			38.6			46.7			61.1		
S.E.(M)		2.579			2.023			2.586			3.533			1.332			1.296		
C.D. (10%)		6.3			4.9			6.3			8.6			3.2			3.2		
C.V.		10.1			5.8			12.3			18.3			5.7			4.2		
D.O.S(dd.mm.yy)		09.12.21			09.12.21			13.12.21			08.12.21			12.12.21			14.12.21		

No. of Trials : Proposed = 18 Conducted = 18
Trial not reported (01) : Mandor (LSM)

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SN	Variety	M.P.								Chhattisgarh									
		Jabalpur			Sagar			Powarkheda		KVK-Ujjain			Bilaspur		Ambikapur				
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G			
1	HD3407 ^{MQ*}	51.0	7	0	41.7	5	0	53.6	2	1	38.1	4	0	47.3	1	1	39.6	5	0
2	HD3438	53.4	6	0	47.6	1	1	49.8	4	1	37.7	6	0	44.7	4	1	39.4	6	0
3	HD3439	53.6	5	0	40.0	6	0	40.1	7	0	41.5	2	0	43.6	6	1	35.4	7	0
4	CG1029(C)	66.8	1	1	45.3	2	1	50.7	3	1	43.8	1	1	45.6	3	1	44.6	2	1
5	HD2864(C)	59.7	3	1	39.5	7	0	54.2	1	1	29.1	8	0	43.8	5	1	40.5	3	0
6	HD2932(C)	54.6	4	0	44.6	3	1	48.0	5	0	38.1	4	0	31.4	8	0	39.9	4	0
7	HI1634(C)	39.7	8	0	42.9	4	1	45.9	6	0	38.4	3	0	45.7	2	1	45.8	1	1
8	MP3336(C)	60.3	2	1	36.7	8	0	38.0	8	0	30.5	7	0	34.2	7	0	32.5	8	0
G.M.		54.9			42.3			47.6		37.1			42.0		39.7				
S.E.(M)		4.323			2.039			2.129		0.649			2.034		1.549				
C.D. (10%)		10.5			5.0			5.2		1.6			5.0		3.8				
C.V.		15.7			9.6			9.0		3.5			9.7		7.8				
D.O.S(dd.mm.yy)		08.12.21			10.12.21			07.12.21		10.12.21			10.12.21		05.12.21				

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LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Chhattisgarh				Rajasthan					
		Raipur		Jagdalpur		Durgapura		Tabiji		Udaipur	
		Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD3407 ^{MQ*}	37.8	5 0	40.3	2 1	46.5	6 0	32.5	8 0	44.6	7 0
2	HD3438	34.9	7 0	38.0	4 0	48.4	2 1	38.2	5 0	50.8	4 0
3	HD3439	45.0	1 1	37.1	6 0	43.6	8 0	42.1	3 0	56.0	2 1
4	CG1029(C)	43.3	2 1	43.2	1 1	45.1	7 0	35.4	7 0	43.8	8 0
5	HD2864(C)	31.0	8 0	37.2	5 0	47.6	4 1	36.3	6 0	49.3	6 0
6	HD2932(C)	40.5	3 0	26.7	8 0	47.8	3 1	46.5	1 1	56.0	3 1
7	HI1634(C)	40.3	4 0	38.9	3 0	47.3	5 0	39.6	4 0	50.8	4 0
8	MP3336(C)	35.8	6 0	29.1	7 0	50.3	1 1	44.9	2 1	58.9	1 1
G.M.		38.6		36.3		47.1		39.4		51.3	
S.E.(M)		0.725		1.731		1.186		1.307		2.010	
C.D. (10%)		1.8		4.2		2.9		3.2		4.9	
C.V.		3.8		9.5		5.0		6.6		7.8	
D.O.S(dd.mm.yy)		07.12.21		10.12.21		05.12.21		13.12.21		09.12.21	

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STATE AND ZONAL MEANS (q/ha)

SN	Variety	Gujarat		M.P.		Chhattisgarh		Rajasthan		Zonal	
		Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD3407 ^{MQ*}	48.7	6 0	49.7	3 0	41.2	3 0	41.2	8 0	45.9	4 0
2	HD3438	55.4	1 1	50.3	2 0	39.3	5 0	45.8	5 0	48.4	2 1
3	HD3439	46.6	7 0	47.3	6 0	40.3	4 0	47.3	3 0	45.4	7 0
4	CG1029(C)	52.1	2 0	53.7	1 1	44.2	1 1	41.5	7 0	48.8	1 1
5	HD2864(C)	49.1	4 0	48.8	5 0	38.1	6 0	44.4	6 0	45.6	6 0
6	HD2932(C)	50.6	3 0	49.2	4 0	34.7	7 0	50.1	2 1	46.4	3 0
7	HI1634(C)	48.9	5 0	45.5	7 0	42.7	2 1	45.9	4 0	45.9	5 0
8	MP3336(C)	45.4	8 0	44.4	8 0	32.9	8 0	51.4	1 1	43.2	8 0
G.M.		49.6		48.6		39.2		45.9		46.2	
S.E.(M)		1.126		1.086		0.793		0.892		0.521	
C.D. (10%)		2.6		2.5		1.9		2.1		1.2	

Summary of Agronomic and Grain Characteristics

Central Zone

Trial: SPL-MABB-IR-LS-TAS-CZ, 2021-22

SN	Variety	Agronomic Characteristics						Grain Characteristics	
		Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HD3407*	54-78	67	94-119	109	61-101	88	28-59	38
2	HD3438	55-81	68	95-120	108	64-98	85	30-47	39
3	HD3439	57-80	69	98-120	110	63-100	87	27-52	37
4	CG1029(C)	52-79	66	95-120	108	62-105	90	31-55	46
5	HD2864(C)	51-77	65	94-121	108	66-98	85	28-49	38
6	HD2932(C)	55-79	68	94-117	109	66-100	89	30-49	38
7	HI1634(C)	52-82	67	93-119	108	60-98	85	29-47	39
8	MP3336(C)	49-78	64	91-118	106	51-97	77	30-54	39

1. Ancillary data from Ambikapur, Anand, Bilaspur, Durgapura, Indore, Jagdalpur, Jabalpur, Junagadh, Sanosara, Mandor, Powarkheda, Raipur, Sagar, SK Nagar, Tabiji, Udaipur, Vijapur and KVK Ujjain
2. Disease data not reported from any of the centres.

MABB-IR-LS-CZ, 2021-22

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 3407	<i>T.aes</i>	Absent	Semi-erect	Green	Absent	Medium	Semi erect	106	Late	Strong	Weak	Weak	Strong
HD 3438	<i>T.aes</i>	Absent	Erect	Green	Absent	Medium	Semi erect	102	Late	Strong	Absent	Absent	Medium
HD 3439	<i>T.aes</i>	Absent	Erect	Green	Absent	Medium	Semi erect	105	Late	Strong	Weak	Weak	Weak
HD 2932 (RP)	<i>T.aes</i>	Absent	Erect	Green	Absent	Medium	Semi erect	106	Late	Strong	Medium	Medium	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 3407	27.7	Medium	2.1	Broad	103.0	Medium	Tapering	Medium	12.8	Very long	7.1	Short	Light brown
HD 3438	26.3	Medium	1.9	Medium	102.3	Medium	Tapering	Medium	11.4	Long	6.8	Short	White
HD 3439	27.3	Medium	1.9	Medium	106.0	Long	Tapering	Medium	13.5	Very long	6.4	Short	Light brown
HD 2932 (RP)	27.7	Medium	1.9	Medium	107.3	Long	Tapering	Medium	12.2	Very long	6.4	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 3407	Medium		Absent	Light brown	Narrow	Sloping	Medium/Long	derately cur	38.3	Medium	Straight	Medium	Amber
HD 3438	Medium		Absent	White	Narrow	Sloping	Medium	derately cur	38.0	Medium	Bent	Medium	Amber
HD 3439	Medium		Absent	Light brown	Narrow/Medium	Sloping/Straight	Medium	derately cur	41.7	Medium	Bent	Medium	Amber
HD 2932 (RP)	Medium		Absent	White	Narrow	Sloping	Long	derately cur	38.7	Medium	Bent	Medium	Amber

Variety	GR_SH	Germ_wid	BRUSH_L	Grain	TGW	ttleness	GR-TEX	Grain_Thre
HD 3407	Oblong	Medium	Long		Medium		Hard	
HD 3438	Oblong	Medium	Long		Small		Semi hard	
HD 3439	Oblong	Medium	Medium		Small		Hard	
HD 2932 (RP)	Ovate	Medium	Long		Small		Semi hard	