

2351 - AVT-IR-TS-TAD-PZ , 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra												Karnataka								
			Niphad			Pune			Akola			Nashik			Ugar-Khurd			Kalloli			Nippani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW891*	PZTS104	46.1	3	1	53.1	9	0	49.3	2	1	61.0	4	1	41.4	12	0	47.1	1	1	45.0	15	0
2	AKAW5100*	PZTS108	37.3	17	0	46.3	22	0	40.4	21	0	49.0	24	0	40.2	15	0	40.7	12	0	42.0	18	0
3	WH1306*	PZTS110	38.7	14	0	49.5	19	0	41.6	17	0	56.6	15	0	42.1	11	0	36.8	21	0	38.1	22	0
4	NWS2222*	PZTS116	37.3	18	0	44.8	23	0	44.4	8	0	57.3	14	0	42.7	9	1	43.5	8	1	36.8	23	0
5	DBW443*	PZTS123	43.0	9	0	52.3	11	0	40.3	22	0	57.7	13	0	40.3	14	0	43.8	7	1	45.1	14	0
6	DDW62(d)	PZTS101	44.1	7	0	49.6	18	0	42.7	14	0	60.8	6	1	34.0	22	0	42.0	11	0	46.9	9	1
7	MACS6842	PZTS102	35.2	22	0	50.2	16	0	43.4	11	0	52.0	22	0	45.3	3	1	40.3	14	0	45.6	12	0
8	UAS3026	PZTS103	35.2	23	0	51.2	13	0	46.8	6	1	53.6	20	0	43.5	4	1	40.4	13	0	44.1	17	0
9	MPO1395(d)	PZTS105	36.6	20	0	54.3	7	0	44.2	9	0	60.5	7	1	34.0	23	0	38.8	16	0	47.7	7	1
10	MACS6837	PZTS106	34.8	24	0	50.9	14	0	42.0	16	0	53.4	21	0	48.4	2	1	36.1	22	0	45.8	11	0
11	HI8849(d)	PZTS107	45.4	5	1	57.6	3	0	43.1	13	0	59.6	8	0	34.4	20	0	43.2	9	1	53.2	2	1
12	MACS6844	PZTS111	49.9	1	1	49.4	20	0	40.5	20	0	54.6	19	0	49.5	1	1	44.5	5	1	46.3	10	1
13	MACS4125(d)	PZTS112	45.8	4	1	53.6	8	0	41.2	18	0	63.0	1	1	39.5	17	0	37.0	20	0	50.4	4	1
14	HI8850(d)	PZTS113	41.4	12	0	28.4	24	0	38.5	23	0	56.2	16	0	34.4	19	0	37.2	17	0	53.4	1	1
15	HI8848(d)	PZTS114	44.7	6	0	54.5	5	0	42.6	15	0	60.8	5	1	34.1	21	0	33.7	23	0	50.0	5	1
16	MP3570	PZTS117	37.8	15	0	55.9	4	0	43.6	10	0	58.6	11	0	43.3	6	1	42.2	10	0	45.6	13	0
17	NIAW4364	PZTS119	44.1	8	0	51.9	12	0	47.9	4	1	61.6	2	1	43.5	5	1	28.2	24	0	36.6	24	0
18	MACS4135(d)	PZTS120	48.3	2	1	61.4	1	1	44.5	7	0	58.0	12	0	40.4	13	0	37.1	19	0	50.9	3	1
19	CG1045	PZTS121	41.8	11	0	53.1	10	0	50.6	1	1	59.2	9	0	43.0	8	1	45.1	2	1	47.4	8	1
20	GW322 (C)	PZTS118	37.7	16	0	50.3	15	0	40.6	19	0	58.9	10	0	43.0	7	1	44.4	6	1	48.3	6	1
21	MACS6222 (C)	PZTS122	35.4	21	0	50.0	17	0	43.2	12	0	51.7	23	0	40.0	16	0	44.8	4	1	38.3	21	0
22	HI8737(d)(C)	PZTS109	37.1	19	0	54.5	6	0	37.5	24	0	55.1	17	0	33.7	24	0	37.1	18	0	38.5	20	0
23	MACS3949(d)(C)	PZTS115	42.1	10	0	48.2	21	0	47.6	5	1	61.3	3	1	37.5	18	0	40.1	15	0	44.4	16	0
24	MP1378(l)(C)	PZTS124	41.2	13	0	58.9	2	1	49.2	3	1	54.7	18	0	42.7	10	1	44.9	3	1	39.8	19	0
G.M.			40.9			51.2			43.6			57.3			40.4			40.4			45.0		
S.E.(M)			1.645			1.200			2.087			1.040			2.484			1.699			2.618		
C.D. (10%)			4.6			3.4			5.9			2.9			7.0			4.8			7.4		
C.V.			8.0			4.7			9.6			3.6			12.3			8.4			11.6		
D.O.S.(dd.mm.yy)			10.11.23			04.11.23			10.11.23			10.11.23			05.11.23			15.11.23			15.11.23		

No. of Trials : Proposed = 11 Conducted = 10
 Trial not conducted (01) = Dhule
 Trials not reported (03) = Parbhani (RMT), Karad (RMT), Dharwad (LSM)

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STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Maharashtra			Karnataka			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	PBW891*	PZTS104	52.4	2	1	44.5	4	1	49.0	1	1
2	AKAW5100*	PZTS108	43.2	23	0	41.0	18	0	42.3	22	0
3	WH1306*	PZTS110	46.6	17	0	39.0	22	0	43.3	21	0
4	NWS2222*	PZTS116	46.0	19	0	41.0	16	0	43.8	19	0
5	DBW443*	PZTS123	48.3	14	0	43.0	9	0	46.0	10	0
6	DDW62(d)	PZTS101	49.3	10	0	41.0	17	0	45.7	13	0
7	MACS6842	PZTS102	45.2	21	0	43.7	5	1	44.6	17	0
8	UAS3026	PZTS103	46.7	16	0	42.7	11	0	45.0	15	0
9	MPO1395(d)	PZTS105	48.9	12	0	40.2	20	0	45.2	14	0
10	MACS6837	PZTS106	45.3	20	0	43.4	8	0	44.5	18	0
11	HI8849(d)	PZTS107	51.4	3	1	43.6	7	0	48.1	4	1
12	MACS6844	PZTS111	48.6	13	0	46.8	1	1	47.8	5	1
13	MACS4125(d)	PZTS112	50.9	7	0	42.3	13	0	47.2	7	0
14	HI8850(d)	PZTS113	41.1	24	0	41.7	14	0	41.4	24	0
15	HI8848(d)	PZTS114	50.7	8	0	39.3	21	0	45.8	12	0
16	MP3570	PZTS117	49.0	11	0	43.7	6	1	46.7	8	0
17	NIAW4364	PZTS119	51.4	4	1	36.1	24	0	44.8	16	0
18	MACS4135(d)	PZTS120	53.1	1	1	42.8	10	0	48.7	2	1
19	CG1045	PZTS121	51.2	5	0	45.1	3	1	48.6	3	1
20	GW322 (C)	PZTS118	46.9	15	0	45.2	2	1	46.2	9	0
21	MACS6222 (C)	PZTS122	45.1	22	0	41.0	15	0	43.3	20	0
22	HI8737(d)(C)	PZTS109	46.0	18	0	36.4	23	0	41.9	23	0
23	MACS3949(d)(C)	PZTS115	49.8	9	0	40.7	19	0	45.9	11	0
24	MP1378(l)(C)	PZTS124	51.0	6	0	42.4	12	0	47.3	6	0
G.M.			48.2			41.9			45.5		
S.E.(M)			0.774			1.330			0.721		
C.D. (10%)			1.8			3.1			1.7		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial AVT-IR-TS-TAD, 2023-24

SN	Variety	Code	Disease reaction				Agronomic Characteristics						Grain Characteristics	
			Br	BI	ACI	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	PBW891*	PZTS104	0	5MS	2.3	12	57-72	65	91-123	109	75-96	84	31-46	42
2	AKAW5100*	PZTS108	0	5MS	2.0	12	55-71	64	96-126	112	85-96	90	27-39	34
3	WH1306*	PZTS110	0	20S	8.8	12	51-67	61	91-124	108	80-95	88	36-50	44
4	NWS2222*	PZTS116	0	30S	13.8	12	50-65	58	92-123	105	83-96	87	25-45	39
5	DBW443*	PZTS123	0	5S	4.3	12	55-70	61	97-124	107	79-100	87	36-49	46
6	DDW62(d)	PZTS101	0	5MS	2.5	12	60-75	67	91-120	112	78-87	81	36-52	44
7	MACS6842	PZTS102	0	10S	7.0	12	54-66	60	93-121	107	85-100	93	37-49	43
8	UAS3026	PZTS103	5MS	40S	26.0	12	51-66	60	93-121	107	91-106	96	31-47	41
9	MPO1395(d)	PZTS105	0	10MS	2.2	12	55-66	62	92-118	108	82-103	88	37-54	46
10	MACS6837	PZTS106	0	30S	20.0	12	53-64	60	93-125	107	81-101	90	38-51	46
11	HI8849(d)	PZTS107	0	10MS	3.0	12	51-66	60	94-119	106	76-93	83	35-55	49
12	MACS6844	PZTS111	0	5S	2.6	01	59-71	64	96-123	109	75-99	89	29-46	40
13	MACS4125(d)	PZTS112	0	10MS	3.0	12	57-72	65	93-122	111	83-95	92	46-59	50
14	HI8850(d)	PZTS113	0	10MS	2.0	34	53-73	64	98-122	110	63-90	82	31-54	45
15	HI8848(d)	PZTS114	0	5MS	2.0	12	59-75	69	92-126	113	72-95	87	21-54	41
16	MP3570	PZTS117	0	30S	22.5	12	52-63	57	93-118	104	79-93	85	39-48	44
17	NIAW4364	PZTS119	0	60S	28.8	24	57-74	68	92-127	112	86-110	98	32-45	39
18	MACS4135(d)	PZTS120	0	5MS	3.0	24	50-61	55	88-117	102	80-91	84	41-58	51
19	CG1045	PZTS121	0	20S	8.0	12	51-66	61	93-120	107	82-98	88	40-51	47
20	GW322 (C)	PZTS118	5MS	10S	6.3	12	50-63	59	91-120	104	72-91	84	30-41	36
21	MACS6222 (C)	PZTS122	0	5MS	2.3	12	50-62	56	87-119	103	62-95	77	34-51	45
22	HI8737(d) (C)	PZTS109	0	5MS	1.0	12	56-68	63	89-117	108	73-97	83	38-54	48
23	MACS3949(d) (C)	PZTS115	0	5MS	2.0	12	59-78	69	93-124	112	70-90	83	20-53	41
24	MP1378(l) (C)	PZTS124	0	5MS	1.3	12	57-76	66	96-125	111	67-90	81	30-43	38

1. Ancillary data from Kalloli, Nippani, Parbhani, Pune, Dharwad and Ugar centres
2. Black rust data from Dharwad, Ugar-khurd, Nippani and Kalloli; Brown rust data from Dharwad centre.

Trial : AVT-IR-TS-TAD, 2023-24

Individual Centre Rust Data

SN	Variety	Code	Br	BI			
			Dharwad	Kalloli	Nippani	Dharwad	Ugar Khurd
1	PBW891*	PZTS104	0	5MS	5MR	0	5MS
2	AKAW5100*	PZTS108	0	5MS	0	0	5MS
3	WH1306*	PZTS110	0	20S	0	5S	10S
4	NWS2222*	PZTS116	0	30S	10S	10S	5S
5	DBW443*	PZTS123	0	5S	0	5MS	10MS
6	DDW62(d)	PZTS101	0	5MS	0	tMS	5S
7	MACS6842	PZTS102	0	10S	0	10S	10MS
8	UAS3026	PZTS103	5MS	30S	5MS	40S	30S
9	MPO1395(d)	PZTS105	0	0	0	tMS	10MS
10	MACS6837	PZTS106	0	30S	10S	10S	30S
11	HI8849(d)	PZTS107	0	5MS	0	0	10MS
12	MACS6844	PZTS111	0	5S	tMR	tMS	5MS
13	MACS4125(d)	PZTS112	0	10MS	0	0	5MS
14	HI8850(d)	PZTS113	0	0	0	0	10MS
15	HI8848(d)	PZTS114	0	5MS	0	0	5MS
16	MP3570	PZTS117	0	30S	10S	20S	30S
17	NIAW4364	PZTS119	0	40S	5S	10S	60S
18	MACS4135(d)	PZTS120	0	5MS	0	5MS	5MS
19	CG1045	PZTS121	0	5MS	0	10MS	20S
20	GW322 (C)	PZTS118	5MS	10S	5MS	5MR	10S
21	MACS6222 (C)	PZTS122	0	5MS	0	5MR	5MS
22	HI8737(d) (C)	PZTS109	0	0	0	0	5MS
23	MACS3949(d) (C)	PZTS115	0	5MS	0	0	5MS
24	MP1378(I) (C)	PZTS124	0	0	5MR	0	5MS