

**2151 - AVT-IR-TS-TAD-PZ , 2021-22
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Maharashtra									Karnataka								
			Niphad			Pune			Parbhani			Dhule			Karad			Dharwad		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MACS4100(d)*	PZTS104	59.3	3	1	61.8	10	0	45.6	9	0	51.9	5	0	41.6	11	0	39.4	9	0
2	HI8826(d)*	PZTS111	61.0	2	1	73.7	1	1	46.9	8	0	42.2	11	0	51.8	3	1	52.3	1	1
3	DBW407	PZTS101	38.2	12	0	58.4	11	0	48.3	5	0	40.7	12	0	46.6	7	0	25.2	12	0
4	UAS3015	PZTS103	58.8	4	1	66.3	3	0	57.8	1	1	57.5	2	1	54.9	1	1	49.4	3	1
5	MP1378	PZTS105	54.4	7	0	66.9	2	0	49.0	3	0	52.0	4	0	42.3	10	0	48.0	4	1
6	MP3552	PZTS109	49.6	10	0	62.5	9	0	48.6	4	0	44.0	10	0	37.6	12	0	33.7	10	0
7	DBW168(F)	PZTS112	52.0	8	0	65.5	5	0	47.4	6	0	62.2	1	1	50.6	4	1	40.4	8	0
8	GW322(C)	PZTS102	51.0	9	0	55.8	12	0	51.8	2	0	44.8	9	0	45.4	8	0	33.1	11	0
9	MACS6222(C)	PZTS107	63.2	1	1	64.3	7	0	47.1	7	0	52.7	3	0	45.2	9	0	46.2	5	0
10	UAS428(d)(C)	PZTS106	46.3	11	0	62.6	8	0	38.2	12	0	48.4	8	0	50.1	5	1	44.6	6	0
11	DDW48(d)(C)	PZTS108	56.5	6	1	65.5	4	0	45.2	10	0	51.4	6	0	47.9	6	0	43.6	7	0
12	MACS3949(d)(C)	PZTS110	57.1	5	1	64.7	6	0	44.1	11	0	48.7	7	0	53.3	2	1	50.1	2	1
G.M.			53.9			64.0			47.5			49.7			47.3			42.2		
S.E.(M)			3.146			1.562			2.323			2.962			2.584			2.426		
C.D. (10%)			7.5			3.7			5.6			7.1			6.2			5.8		
C.V.			11.7			4.9			9.8			11.9			10.9			11.5		
D.O.S.(dd.mm.yy)			13.11.21			13.11.21			11.11.21			12.11.21			9.11.21			15.11.21		

No. of Trials : Proposed = 15 Conducted = 15
Trials not reported (04) = Parvarnagar (DNR), Nasik (RMT), Akola (LSM), Mandya (LSM,LS)
F : denots Filler

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LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Karnataka														
			Ugar Khurd			Arabhavi			Kalloli			Mudhol			Nippani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MACS4100(d)*	PZTS104	42.9	6	0	40.3	10	0	41.8	8	0	47.4	3	1	57.3	3	1
2	HI8826(d)*	PZTS111	44.9	4	1	50.5	1	1	43.0	6	0	45.5	5	1	53.8	5	1
3	DBW407	PZTS101	43.2	5	1	40.1	11	0	41.4	9	0	44.0	6	0	58.5	2	1
4	UAS3015	PZTS103	47.8	1	1	46.0	6	1	50.5	1	1	51.4	1	1	60.1	1	1
5	MP1378	PZTS105	47.4	2	1	48.8	2	1	48.4	2	1	43.8	8	0	49.5	10	0
6	MP3552	PZTS109	40.0	9	0	47.4	4	1	45.7	4	1	38.8	12	0	55.9	4	1
7	DBW168(F)	PZTS112	46.5	3	1	47.9	3	1	46.2	3	1	43.9	7	0	48.8	11	0
8	GW322(C)	PZTS102	41.8	7	0	37.5	12	0	38.6	11	0	47.5	2	1	53.6	6	1
9	MACS6222(C)	PZTS107	38.0	11	0	40.9	9	0	39.6	10	0	45.8	4	1	53.0	7	1
10	UAS428(d)(C)	PZTS106	39.0	10	0	41.4	8	0	37.2	12	0	42.9	9	0	50.0	9	0
11	DDW48(d)(C)	PZTS108	37.3	12	0	41.9	7	0	42.3	7	0	41.0	11	0	51.7	8	0
12	MACS3949(d)(C)	PZTS110	40.6	8	0	46.6	5	1	44.1	5	0	41.8	10	0	48.6	12	0
G.M.			42.4			44.1			43.2			44.5			53.4		
S.E.(M)			1.939			2.582			2.170			2.601			3.381		
C.D. (10%)			4.6			6.2			5.2			6.2			8.1		
C.V.			9.1			11.7			10.0			11.7			12.7		
D.O.S.(dd.mm.yy)			15.11.21			15.11.21			09.11.21			12.11.21			13.11.21		

**2151 - AVT-IR-TS-TAD-PZ , 2021-22
STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	Maharashtra			Karnataka			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MACS4100(d)*	PZTS104	52.0	8	0	44.8	6	0	48.1	7	0
2	HI8826(d)*	PZTS111	55.1	3	0	48.4	2	0	51.4	2	0
3	DBW407	PZTS101	46.5	12	0	42.1	11	0	44.1	12	0
4	UAS3015	PZTS103	59.1	1	1	50.9	1	1	54.6	1	1
5	MP1378	PZTS105	52.9	7	0	47.7	3	0	50.1	4	0
6	MP3552	PZTS109	48.5	11	0	43.6	8	0	45.8	9	0
7	DBW168(F)	PZTS112	55.5	2	0	45.6	4	0	50.1	3	0
8	GW322(C)	PZTS102	49.8	9	0	42.0	12	0	45.5	10	0
9	MACS6222(C)	PZTS107	54.5	4	0	43.9	7	0	48.7	6	0
10	UAS428(d)(C)	PZTS106	49.1	10	0	42.5	10	0	45.5	11	0
11	DDW48(d)(C)	PZTS108	53.3	6	0	43.0	9	0	47.7	8	0
12	MACS3949(d)(C)	PZTS110	53.6	5	0	45.3	5	0	49.1	5	0
G.M.			52.5			45.0			48.4		
S.E.(M)			1.152			1.044			0.774		
C.D. (10%)			2.7			2.4			1.8		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-IR-TS-TAD-PZ, 2021-22

SN	Variety	Code	Disease Reaction			Agronomic Characteristics							
			Br	ACI	LB.HS	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	MACS4100(d)*	PZTS104	TMR	0.1	0	51-66	58	93-109	101	82-87	84	37-47	43
2	HI8826(d)*	PZTS111	TMR	0.1	12	58-72	66	96-118	108	87-101	95	46-52	48
3	DBW407	PZTS101	40S	14.9	24	54-67	59	93-117	103	86-104	95	35-45	40
4	UAS3015	PZTS103	10S	5.3	0	53-70	62	92-116	104	84-106	95	36-51	43
5	MP1378	PZTS105	0	0.0	0	57-74	66	96-121	108	72-97	85	37-43	40
6	MP3552	PZTS109	30S	10.9	12	53-65	59	94-115	103	75-100	87	34-47	39
7	DBW168 (F)	PZTS112	10MS	2.4	01	50-69	62	93-118	105	79-96	88	40-49	44
8	GW322(C)	PZTS102	40S	13.4	24	50-66	58	91-113	102	77-94	87	35-43	37
9	MACS6222(C)	PZTS107	10MS	2.6	0	50-63	57	93-117	103	83-92	87	42-49	44
10	UAS428(d)(C)	PZTS106	0	0.0	01	56-76	66	95-118	108	84-94	88	41-48	43
11	DDW48(d)(C)	PZTS108	0	0.0	12	56-74	67	96-118	107	76-92	86	39-47	42
12	MACS3949(d)(C)	PZTS110	0	0.0	12	55-74	66	94-117	107	81-91	86	46-51	48

1. Ancillary data from Arabhavi, Dharwad, Dhule, Kalloli, Karad, Mudhol, Niphad, Nippani, Parbhani and Pune
2. Brown rust data from Arabhavi, Dharwad, Kalloli, Mudhol, Nippani, Pune, Ugar Khurd
3. Leaf blight data from Dharwad, Kalloli

**AVT-IR-TS-TAD-PZ, 2021-22
Peninsular Zone**

Individual Station Brown Rust Data

SN	Variety	Code	Brown rust						
			Arabhavi	Dharwad	Kalloli	Mudhol	Nippani	Pune	Ugar khurd
1	MACS4100(d)*	PZTS104	tMR	0	0	0	0	0	0
2	HI8826(d)*	PZTS111	tMR	0	0	0	0	0	0
3	DBW407	PZTS101	5MS	20S	10S	10S	10S	10S	40S
4	UAS3015	PZTS103	0	10S	5S	10MS	5MS	0	10S
5	MP1378	PZTS105	0	0	0	0	0	0	0
6	MP3552	PZTS109	5MR	10S	30S	10MS	10MS	10MS	10S
7	DBW168 (F)	PZTS112	tMS	10MS	10MS	0	0	0	0
8	GW322(C)	PZTS102	10MS	40S	10MS	10S	10S	10MS	10S
9	MACS6222(C)	PZTS107	5MR	10MS	0	5MS	0	0	5MS
10	UAS428(d)(C)	PZTS106	0	0	0	0	0	0	0
11	DDW48(d)(C)	PZTS108	0	0	0	0	0	0	0
12	MACS3949(d)(C)	PZTS110	0	0	0	0	0	0	0

Individual Station Leaf Blight Data

SN	Variety	Code	Leaf blight	
			Dharwad	Kalloli
1	MACS4100(d)*	PZTS104	00	00
2	HI8826(d)*	PZTS111	00	12
3	DBW407	PZTS101	24	12
4	UAS3015	PZTS103	00	00
5	MP1378	PZTS105	00	00
6	MP3552	PZTS109	00	12
7	DBW168 (F)	PZTS112	01	01
8	GW322(C)	PZTS102	24	01
9	MACS6222(C)	PZTS107	00	00
10	UAS428(d)(C)	PZTS106	00	01
11	DDW48(d)(C)	PZTS108	00	12
12	MACS3949(d)(C)	PZTS110	00	12