

**AVT-IR-TS-TAD-PZ, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Maharashtra													
			Pune		Parbhani		Niphad		Nasik		Pimpalgaon		Karad		K Digraj	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	HD 3164	PZ-TS-02	59.6	9 0	38.7	6 0	54.5	5 0	44.1	7 0	50.6	7 0	42.9	5 1	45.0	4 1
2.	UAS 453 (d)	PZ-TS-03	59.9	8 0	39.5	5 0	50.9	7 0	47.7	2 1	50.9	6 0	39.8	9 0	38.4	7 0
3.	UAS 361	PZ-TS-04	64.5	3 1	39.9	3 0	55.2	4 0	45.0	6 0	52.5	5 0	47.0	1 1	45.9	2 1
4.	HI 8759 (d)	PZ-TS-07	65.3	2 1	31.4	9 0	51.2	6 0	45.6	5 0	48.8	9 0	41.5	8 1	47.5	1 1
5.	UAS 360	PZ-TS-08	62.3	5 1	37.8	7 0	56.0	3 0	52.2	1 1	54.1	3 1	42.8	6 1	44.2	5 1
6.	MACS 3949 (d)	PZ-TS-09	60.6	6 0	45.6	1 1	50.8	8 0	42.5	8 0	53.9	4 1	42.1	7 1	45.4	3 1
7.	UAS 428 (d)(C)	PZ-TS-01	60.5	7 0	35.0	8 0	49.7	9 0	46.9	3 0	50.2	8 0	45.4	2 1	41.6	6 0
8.	MACS 6478 (C)	PZ-TS-05	66.0	1 1	39.6	4 0	63.6	1 1	46.8	4 0	57.6	1 1	44.0	3 1	35.8	9 0
9.	MACS 6222 (C)	PZ-TS-06	64.0	4 1	41.0	2 0	57.3	2 0	38.0	9 0	54.2	2 1	43.1	4 1	36.2	8 0
G.M.			62.5		38.7		54.4		45.4		52.5		43.2		42.2	
S.E.(M)			1.666		1.249		1.911		1.731		1.514		2.044		1.380	
C.D.			4.9		3.6		5.6		5.1		4.4		6.0		4.0	
C.V.			5.3		6.5		7.0		7.6		5.8		9.5		6.5	
D.O.S. (d.m.y)			14.11.2014		12.11.2014		12.11.2014		15.11.2014		18.11.2014		12.11.2014		14.11.2014	

Trials proposed : 16      Trial not conducted (1): Savalvihir  
Trials not reported (3) : Akola (LSM), Amravati (LSM), Pravarnagar (HCV)

**AVT-IR-TS-TAD-PZ, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Karnataka									
			Dharwad		Kalloli		Mudhol		Arbhavi		Ugar	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	HD 3164	PZ-TS-02	45.2	1 1	33.7	7 1	34.2	9 0	34.2	7 0	47.8	6 1
2.	UAS 453 (d)	PZ-TS-03	33.4	9 0	33.5	8 1	39.9	3 1	29.9	9 0	41.1	9 0
3.	UAS 361	PZ-TS-04	39.8	4 1	38.4	3 1	38.9	5 1	44.3	3 1	53.3	1 1
4.	HI 8759 (d)	PZ-TS-07	36.0	8 0	38.4	2 1	36.8	6 1	44.6	1 1	41.2	8 0
5.	UAS 360	PZ-TS-08	44.3	3 1	37.4	4 1	41.4	1 1	38.0	5 0	49.0	5 1
6.	MACS 3949 (d)	PZ-TS-09	44.6	2 1	36.3	5 1	36.5	8 1	44.4	2 1	49.1	4 1
7.	UAS 428 (d) (C)	PZ-TS-01	39.1	6 0	38.5	1 1	39.2	4 1	32.6	8 0	45.0	7 0
8.	MACS 6478 (C)	PZ-TS-05	39.7	5 1	35.5	6 1	40.1	2 1	39.1	4 1	50.1	2 1
9.	MACS 6222 (C)	PZ-TS-06	39.1	7 0	33.1	9 1	36.6	7 1	34.7	6 0	49.3	3 1
G.M.			40.1		36.1		38.2		38.0		47.3	
S.E.(M)			1.923		2.423		2.159		2.020		2.834	
C.D.			5.6		7.1		6.3		5.9		8.3	
C.V.			9.6		13.4		11.3		10.6		12.0	
D.O.S. (d.m.y)			10.11.2014		14.11.2014		14.11.2014		13.11.2014		3.11.2014	

**AVT-IR-TS-TAD-PZ, 2014-15**  
**State and Zonal Mean Yield (q/ha)**

SN	Variety	Code	Maharashtra			Karnataka			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	HD 3164	PZ-TS-02	47.9	5	0	39.0	6	0	44.2	5	0
2.	UAS 453 (d)	PZ-TS-03	46.7	9	0	35.5	9	0	42.1	9	0
3.	UAS 361	PZ-TS-04	50.0	2	1	43.0	1	1	47.1	1	1
4.	HI 8759 (d)	PZ-TS-07	47.3	7	0	39.4	5	0	44.0	6	0
5.	UAS 360	PZ-TS-08	49.9	3	1	42.0	3	1	46.6	2	1
6.	MACS 3949 (d)	PZ-TS-09	48.7	4	0	42.2	2	1	46.0	4	1
7.	UAS 428 (d) (C)	PZ-TS-01	47.0	8	0	38.9	7	0	43.6	8	0
8.	MACS 6478 (C)	PZ-TS-05	50.5	1	1	40.9	4	1	46.5	3	1
9.	MACS 6222 (C)	PZ-TS-06	47.7	6	0	38.6	8	0	43.9	7	0
G.M.			48.4			39.9			44.9		
C.D.			1.8			2.9			1.6		

## Peninsular Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-IR-TS-TAD, 2014-15

SN	Variety	Code	Disease Reaction			Agronomic Characteristics								Grain Characteristics			
			Br	ACI	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD 3164	PZ-TS-02	10 S	3.16	12	54-73	62	91-118	103	72-104	87	40	Ey	A	SH	39-56	46
2	UAS 453 (d)	PZ-TS-03	0	0	0	62-77	70	90-129	112	78-93	85	40	M	A	SH	33-51	45
3	UAS 361	PZ-TS-04	20 S	10	20	58-74	63	87-121	106	83-102	89	0	Ey	A	SH	40-56	45
4	HI 8759 (d)	PZ-TS-07	5 MR	0.4	0	60-75	68	89-118	108	72-90	79	20	M	A	SH	39-57	50
5	UAS 360	PZ-TS-08	60 S	28.2	12	56-74	63	88-120	105	81-103	93	25	Ey	A	SH	41-52	46
6	MACS 3949 (d)	PZ-TS-09	tS	0.2	0	64-81	69	92-126	112	68-95	82	30	M	A	SH	41-55	48
7	UAS 428 (d) (C)	PZ-TS-01	0	0	0	63-76	69	88-124	111	75-92	84	20	M	A	H	46-54	49
8	MACS 6478 (C)	PZ-TS-05	40 S	16	0	55-72	63	89-117	105	72-95	82	10	Ey	A	SH	40-53	45
9	MACS 6222 (C)	PZ-TS-06	5 MS	0.8	7	52-78	63	89-118	106	78-101	86	0	Ey	A	SH	33-55	43

1. Ancillary data from Akola, Amravati, Arabhavi, Dharwad, Kalloli, Karad, Mudhol, Nasik, Niphad, Parbhani, Pimpalegaon, Pravarnagar, Pune, Ugar.
2. Incidence of Black point reported from Pune centre.
3. Brown rust incidence recorded from Arabhavi, Kalolli, Mudhol, Pune and Ugar.

### Individual Center Rust Data

SN	Variety	Code	Arbhavi	Kalloli	Mudhol	Pune	Ugar
			Br	Br	Br	Br	Br
1	HD 3164	PZ-TS-02	tMS	10S	tS	0	5MS
2	UAS 453 (d)	PZ-TS-03	0	0	0	0	0
3	UAS 361	PZ-TS-04	5S	20S	10S	5S	10S
4	HI 8759 (d)	PZ-TS-07	5MR	0	0	0	0
5	UAS 360	PZ-TS-08	60S	40S	60S	TS	40S
6	MACS 3949 (d)	PZ-TS-09	0	TS	0	0	0
7	UAS 428 (d) (C)	PZ-TS-01	0	0	0	0	0
8	MACS 6478 (C)	PZ-TS-05	0	20S	40S	0	20S
9	MACS 6222 (C)	PZ-TS-06	5MS	0	0	0	0

**AVT-RF-TS-TAD-PZ, 2014-15**  
**Locationwise and Zonal Mean Yield (q/ha)**

SN	Variety	Code	Karnataka				Zonal					
			Bhagalkot		Dharwad		Bijapur		Annigeri			
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G		
1.	MACS 3927(d)*	PZ-RF-04	19.6	7 0	20.5	13 0	22.8	4 1	17.2	12 0	20.0	11 1
2.	NIAW 2030*	PZ-RF-06	19.6	8 0	21.1	10 1	20.5	7 1	19.7	6 0	20.2	9 1
3.	K 1315	PZ-RF-01	17.8	11 0	22.7	4 1	19.0	13 0	16.4	14 0	19.0	12 0
4.	MACS 3972 (d)	PZ-RF-02	25.2	1 1	21.1	9 1	19.6	9 1	20.2	4 0	21.5	3 1
5.	PBW 721	PZ-RF-03	17.1	12 0	25.3	1 1	24.1	1 1	17.7	10 0	21.0	6 1
6.	UAS 455 (d)	PZ-RF-07	19.8	6 0	22.3	6 1	19.6	10 1	19.2	7 0	20.2	8 1
7.	HI 8765 (d)	PZ-RF-08	13.1	14 0	17.9	14 0	20.4	8 1	16.7	13 0	17.0	14 0
8.	MACS 4020 (d)	PZ-RF-12	18.1	10 0	23.0	3 1	23.5	2 1	17.4	11 0	20.5	7 1
9.	GW 1315 (d)	PZ-RF-14	24.9	2 1	20.6	12 0	18.5	14 0	23.3	2 1	21.8	1 1
10.	AKDW 2997-16(d)(C)	PZ-RF-09	14.6	13 0	20.9	11 1	19.3	12 0	18.1	9 0	18.2	13 0
11.	NIAW 1415 (C)	PZ-RF-10	19.2	9 0	22.0	7 1	20.9	6 1	18.4	8 0	20.1	10 1
12.	NI 5439 (C)	PZ-RF-13	20.0	4 0	23.2	2 1	19.5	11 1	24.1	1 1	21.7	2 1
13.	UAS 347 (I) (C)	PZ-RF-05	20.4	3 0	22.4	5 1	21.2	5 1	21.4	3 1	21.4	4 1
14.	UAS 446 (d)(I)(C)	PZ-RF-11	19.9	5 0	21.8	8 1	22.8	3 1	19.8	5 0	21.1	5 1
G.M.			19.2		21.8		20.8		19.3		20.3	
S.E.(M)			1.439		1.591		1.619		1.285		0.745	
C.D.			4.1		4.6		4.6		3.7		2.1	
C.V.			15.0		14.6		15.5		13.4			
D.O.S. (d.m.y)			30.10.2014		20.10.2014		30.10.2014		18.10.2014			

**Trials Proposed : 6**

**Trial not conducted (1) : Ambejogai**

**Trial not reported (1) : Washim (LSM)**

## Peninsular Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-RF-TAD, 2014-2015

SN	Varity	Code	Agronomic Characteristics							Grain Characteristics			
			Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	MACS 3927 (d)*	PZ-RF-04	52-63	56	99-115	103	52-94	83	M	A	SH	49-57	52
2	NIAW 2030*	PZ-RF-06	51-67	55	93-117	100	41-97	83	Ey	A	SH	39-51	46
3	K 1315	PZ-RF-01	58-65	60	102-113	105	53-90	81	Ey	A	SH	34-38	36
4	MACS 3972 (d)	PZ-RF-02	54-57	56	99-108	102	50-88	79	M	A	SH	34-46	41
5	PBW 721	PZ-RF-03	51-64	54	94-111	99	43-79	69	Ey	A	H	39-43	41
6	UAS 455 (d)	PZ-RF-07	56-65	59	102-112	105	54-70	66	M	A	SH	37-42	40
7	HI 8765 (d)	PZ-RF-08	54-60	57	102-115	106	62-77	72	M	A	H	37-44	40
8	GW 1315 (d)	PZ-RF-14	51-69	55	94-112	100	47-84	74	M	A	SH	39-44	42
9	MACS 4020 (d)	PZ-RF-12	55-59	56	100-109	103	44-100	86	M	A	SH	43-46	45
10	AKDW 2997-16(d) (C)	PZ-RF-09	53-63	55	95-112	100	58-71	68	M	A	SH	40-43	42
11	NIAW 1415 (C)	PZ-RF-10	56-79	61	100-117	105	55-68	64	Ey	A	SH	37-39	38
12	NI 5439 (C)	PZ-RF-13	53-63	56	99-109	103	43-75	66	Ey	A	SH	30-40	35
13	UAS 347 (I) (C)	PZ-RF-05	54-57	55	98-112	103	61-78	73	Ey	A	H	40-46	42
14	UAS 446(d) (I) (C)	PZ-RF-11	60-67	62	103-115	107	50-85	77	M	A	H	39-42	41

1. Ancillary data from Bagalkot, Dharwad, Bijapur, Annegiri and Washim.
2. No incidence of rust reported from any centre.
3. No lodging reported from any centre.

**AVT-RI-TS-TAD-PZ, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Karnataka									Maharashtra		
			Bagalkot			Dharwad			Nippani			Pune		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	HD 3171	PZ-RI-01	24.8	8	0	29.4	3	1	30.8	3	1	35.9	1	1
2.	HI 1605	PZ-RI-03	30.1	4	1	31.1	1	1	30.0	6	1	35.7	3	1
3.	MACS 3970 (d)	PZ-RI-04	31.6	1	1	25.6	6	1	23.5	8	0	26.0	7	0
4.	JWS 712	PZ-RI-06	31.1	3	1	23.0	7	0	32.1	2	1	29.8	5	0
5.	NIAW 1415 (C)	PZ-RI-02	27.2	6	1	28.3	4	1	30.2	5	1	35.8	2	1
6.	NI 5439 (C)	PZ-RI-05	26.7	7	1	22.2	8	0	33.3	1	1	20.2	8	0
7.	AKDW 2997-16 (d)(C)	PZ-RI-07	31.6	2	1	28.0	5	1	30.6	4	1	26.5	6	0
8.	DBW 93 (I) (C)	PZ-RI-08	27.7	5	1	30.9	2	1	27.1	7	0	32.9	4	1
G.M.			28.8			27.3			29.7			30.3		
S.E.(M)			1.682			2.008			1.835			1.696		
C.D.			4.9			5.9			5.4			5.0		
C.V.			11.7			14.7			12.4			11.2		
D.O.S. (d.m.y)			30.10.2014			2.11.2014			15.11.2014			3.11.2014		

Trials Proposed: 13      Trial not conducted (1) : Ambejogai  
Trials not reported (3) : Akola (LSM), Pandharpur (LSM), Washim (LSM, LS)

**AVT-RI-TS-TAD-PZ, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Maharashtra														
			Niphad			Savalmhir			Pimpalgaon			Nasik			Jalgaon		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	HD 3171	PZ-RI-01	23.9	6	0	24.1	2	1	29.9	2	1	27.6	2	1	28.6	6	1
2.	HI 1605	PZ-RI-03	29.6	1	1	24.5	1	1	34.0	1	1	27.2	3	1	31.1	3	1
3.	MACS 3970 (d)	PZ-RI-04	25.0	4	0	17.3	8	0	26.0	5	0	23.2	5	0	24.7	8	0
4.	JWS 712	PZ-RI-06	17.9	8	0	17.6	7	0	21.6	8	0	26.8	4	1	31.7	2	1
5.	NIAW 1415 (C)	PZ-RI-02	24.8	5	0	22.3	3	1	29.4	3	1	23.0	7	0	31.9	1	1
6.	NI 5439 (C)	PZ-RI-05	25.5	3	0	18.8	5	0	26.2	4	0	27.7	1	1	27.8	7	0
7.	AKDW 2997-16 (d)(C)	PZ-RI-07	22.0	7	0	20.7	4	0	25.4	7	0	22.8	8	0	30.4	4	1
8.	DBW 93 (I) (C)	PZ-RI-08	27.9	2	1	18.4	6	0	25.7	6	0	23.1	6	0	29.4	5	1
G.M.			24.6			20.5			27.3			25.2			29.4		
S.E.(M)			1.067			0.789			1.708			0.975			1.346		
C.D.			3.1			2.3			5.0			2.9			4.0		
C.V.			8.7			7.7			12.5			7.7			9.1		
D.O.S. (d.m.y)			1.11.2014			4.11.2014			10.11.2014			10.11.2014			5.11.2014		

**AVT-RI-TS-TAD-PZ, 2014-15**  
**State and Zonal Mean Yield (q/ha)**

SN	Variety	Code	Karnataka			Maharashtra			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	HD 3171	PZ-RI-01	28.4	6	1	28.3	2	0	28.3	2	0
2.	HI 1605	PZ-RI-03	30.4	1	1	30.4	1	1	30.4	1	1
3.	MACS 3970 (d)	PZ-RI-04	26.9	8	0	23.7	8	0	24.8	8	0
4.	JWS 712	PZ-RI-06	28.7	3	1	24.2	7	0	25.7	6	0
5.	NIAW 1415 (C)	PZ-RI-02	28.6	5	1	27.9	3	0	28.1	3	0
6.	NI 5439 (C)	PZ-RI-05	27.4	7	1	24.4	6	0	25.4	7	0
7.	AKDW 2997-16 (d)(C)	PZ-RI-07	30.1	2	1	24.6	5	0	26.5	5	0
8.	DBW 93 (I) (C)	PZ-RI-08	28.6	4	1	26.2	4	0	27.0	4	0
G.M.			28.6			26.2			27.0		
C.D.			3.0			1.5			1.4		

**Peninsular Zone**

**Summary of Disease Data and Agronomic Characteristics**

**Trial: PZ-AVT-RI-TS-TAD, 2014-2015**

SN	Variety	Code	Rust Reaction	Agronomic Characteristics								Grain Characteristics			
			Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD 3171	PZ-RI-01	5MS	48-62	54	84-123	105	44-92	78	19	Ey	A	SH	35-47	42
2	HI 1605	PZ-RI-03	0	48-60	54	87-122	103	62-89	82	15	M	A	SH	38-55	36
3	MACS 3970 (d)	PZ-RI-04	0	50-72	62	90-120	107	57-105	90	60	Ey-M	A	H	32-44	38
4	JWS 712	PZ-RI-06	5S	57-66	61	91-126	110	65-102	85	41	Ey	A	H	32-41	37
5	NIAW 1415 (C)	PZ-RI-02	5MS	55-66	61	87-120	107	61-91	84	9	M	A	SH	32-41	38
6	NI 5439 (C)	PZ-RI-05	0	49-76	63	84-126	110	54-81	68	23	M	A	H	31-45	36
7	AKDW 2997-16 (d) (C)	PZ-RI-07	0	51-77	64	90-124	109	54-83	73	10	M	A	SH	31-46	38
8	DBW 93 (I) (C)	PZ-RI-08	0	54-72	63	94-123	108	59-85	74	10	Ey	A	SH	28-42	36

1. Ancillary data from Bagalkot, Akola, Dharwad, Jalgaon, Nasik, Niphad, Nippani, Pandharpur, Pimplegaon, Pune, Savalvihiir and Washim.
2. Incidence of Brown rust reported from Nippani centre only.
3. Lodging reported from Jalgaon and Savalvihiir centre.