

2251 - AVT-IR-TS-TAD-PZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra														
			Niphad			Pune			Dhule			Parbhani			Nashik		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MP1378*	PZTS112	46.2	9	0	62.0	3	0	56.1	2	1	65.9	18	0	39.2	18	0
2	PBW891#	PZTS101	46.5	8	0	57.5	13	0	54.7	5	1	80.5	2	0	47.6	3	1
3	HD3469 ^B	PZTS104	46.9	6	0	59.4	9	0	54.3	8	1	71.9	12	0	45.8	9	1
4	DBW444 ^B	PZTS106	41.0	18	0	46.4	24	0	47.8	22	1	61.0	20	0	38.6	19	0
5	DBW443 ^B	PZTS123	44.3	13	0	60.9	4	0	54.4	7	1	77.6	6	0	46.4	7	1
6	NIAW4153	PZTS102	45.1	11	0	60.4	5	0	53.2	10	1	65.6	19	0	35.7	22	0
7	AKAW5100	PZTS105	41.4	17	0	52.5	21	0	52.0	12	1	73.0	9	0	47.6	4	1
8	UAS3020	PZTS107	35.5	22	0	59.5	8	0	53.9	9	1	79.9	4	0	46.3	8	1
9	HI8841(d)	PZTS108	52.5	2	1	70.5	2	1	50.0	18	1	88.1	1	1	38.2	20	0
10	WH1306	PZTS109	47.1	5	0	60.1	6	0	55.8	3	1	72.8	10	0	42.4	15	0
11	MACS6809	PZTS110	46.1	10	0	56.9	15	0	44.0	23	0	60.1	22	0	43.5	13	0
12	AKAW5314	PZTS114	41.9	16	0	51.4	22	0	50.0	16	1	60.4	21	0	38.2	21	0
13	NIAW4183	PZTS115	49.1	4	0	58.3	10	0	50.8	15	1	72.5	11	0	39.4	17	0
14	PWU15	PZTS117	35.6	21	0	51.3	23	0	49.7	20	1	59.0	23	0	34.6	23	0
15	UAS3021	PZTS119	44.6	12	0	56.6	16	0	51.1	14	1	66.3	17	0	44.7	10	1
16	MP1386	PZTS120	34.5	23	0	54.3	20	0	51.5	13	1	66.5	16	0	43.8	11	0
17	NWS2222	PZTS121	46.7	7	0	55.8	18	0	54.7	6	1	70.1	14	0	43.6	12	0
18	MACS6811	PZTS122	49.4	3	0	57.8	12	0	56.9	1	1	79.1	5	0	46.9	5	1
19	GW322(C)	PZTS103	38.5	19	0	56.4	17	0	52.9	11	1	71.6	13	0	50.7	2	1
20	DBW187(C)	PZTS116	38.1	20	0	54.9	19	0	43.8	24	0	58.4	24	0	28.8	24	0
21	MACS6222(C)	PZTS118	43.4	15	0	57.4	14	0	55.3	4	1	69.6	15	0	46.6	6	1
22	MACS3949(d)(C)	PZTS113	43.9	14	0	59.5	7	0	50.0	17	1	75.0	8	0	42.6	14	0
23	HI8826(d)(I)(C)	PZTS124	54.2	1	1	74.4	1	1	48.2	21	1	76.2	7	0	53.2	1	1
24	MACS4100(d)(I)(C)	PZTS111	23.7	24	0	58.3	11	0	49.8	19	1	80.4	3	0	41.2	16	0
G.M.			43.2			58.0			51.7			70.9			42.7		
S.E.(M)			1.387			1.429			3.779			1.140			3.135		
C.D. (10%)			3.9			4.0			10.7			3.2			8.8		
C.V.			6.4			4.9			14.6			3.2			14.7		
D.O.S.(dd.mm.yy)			14.11.22			14.11.22			15.11.22			14.11.22			08.11.22		

No. of Trials : Proposed = 11 Conducted = 11
Trials not reported (02) = Akola (RMT), Karad (LS)

2251 - AVT-IR-TS-TAD-PZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Karnataka											
			Dharwad			Ugar-Khurd			Kalloli			Nippani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MP1378*	PZTS112	48.5	2	1	52.8	3	1	59.4	2	1	29.2	23	0
2	PBW891#	PZTS101	43.8	11	1	44.5	11	0	53.4	10	1	40.3	15	0
3	HD3469 ^B	PZTS104	41.9	15	0	47.6	5	0	56.7	4	1	49.3	6	0
4	DBW444 ^B	PZTS106	40.7	19	0	33.5	22	0	40.1	23	0	44.4	13	0
5	DBW443 ^B	PZTS123	42.8	13	1	46.3	8	0	55.5	6	1	28.8	24	0
6	NIAW4153	PZTS102	41.8	16	0	42.7	15	0	44.7	22	0	56.8	2	1
7	AKAW5100	PZTS105	45.4	9	1	44.4	12	0	55.2	7	1	49.1	8	0
8	UAS3020	PZTS107	47.6	4	1	47.9	4	0	58.8	3	1	49.3	5	0
9	HI8841(d)	PZTS108	41.0	18	0	35.6	21	0	52.7	11	0	33.0	19	0
10	WH1306	PZTS109	45.9	8	1	46.4	7	0	54.3	8	1	35.8	17	0
11	MACS6809	PZTS110	47.4	5	1	46.1	9	0	49.6	17	0	30.7	21	0
12	AKAW5314	PZTS114	42.4	14	1	43.6	13	0	49.2	18	0	59.5	1	1
13	NIAW4183	PZTS115	46.1	6	1	42.5	16	0	48.8	21	0	45.7	11	0
14	PWU15	PZTS117	37.9	23	0	30.6	24	0	37.0	24	0	45.8	10	0
15	UAS3021	PZTS119	41.0	17	0	43.0	14	0	48.9	20	0	41.0	14	0
16	MP1386	PZTS120	44.1	10	1	45.6	10	0	49.7	16	0	35.1	18	0
17	NWS2222	PZTS121	48.3	3	1	52.9	2	1	55.8	5	1	47.2	9	0
18	MACS6811	PZTS122	48.9	1	1	58.2	1	1	61.4	1	1	38.2	16	0
19	GW322(C)	PZTS103	45.9	7	1	41.2	18	0	50.7	14	0	50.7	4	0
20	DBW187(C)	PZTS116	40.3	20	0	31.4	23	0	50.2	15	0	52.8	3	1
21	MACS6222(C)	PZTS118	43.0	12	1	42.4	17	0	51.5	13	0	49.1	7	0
22	MACS3949(d)(C)	PZTS113	38.9	22	0	38.8	20	0	53.7	9	1	45.0	12	0
23	HI8826(d)(I)(C)	PZTS124	37.8	24	0	46.8	6	0	52.4	12	0	32.5	20	0
24	MACS4100(d)(I)(C)	PZTS111	39.5	21	0	40.6	19	0	48.9	19	0	29.7	22	0
G.M.			43.4			43.6			51.6			42.5		
S.E.(M)			2.458			2.724			2.946			2.496		
C.D. (10%)			6.9			7.7			8.3			7.0		
C.V.			11.3			12.5			11.4			11.8		
D.O.S.(dd.mm.yy)			15.11.22			15.11.22			11.11.22			15.11.22		

2251 - AVT-IR-TS-TAD-PZ, 2022-23
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Maharashtra			Karnataka			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MP1378*	PZTS112	53.9	14	0	47.5	7	0	51.0	10	0
2	PBW891#	PZTS101	57.3	4	0	45.5	13	0	52.1	6	0
3	HD3469 ^B	PZTS104	55.7	6	0	48.9	4	1	52.6	5	0
4	DBW444 ^B	PZTS106	46.9	22	0	39.7	22	0	43.7	23	0
5	DBW443 ^B	PZTS123	56.7	5	0	43.4	19	0	50.8	13	0
6	NIAW4153	PZTS102	52.0	17	0	46.5	10	0	49.6	16	0
7	AKAW5100	PZTS105	53.3	15	0	48.5	6	0	51.2	8	0
8	UAS3020	PZTS107	55.0	8	0	50.9	3	1	53.2	2	0
9	HI8841(d)	PZTS108	59.8	2	1	40.6	21	0	51.3	7	0
10	WH1306	PZTS109	55.6	7	0	45.6	12	0	51.2	9	0
11	MACS6809	PZTS110	50.1	19	0	43.5	18	0	47.2	20	0
12	AKAW5314	PZTS114	48.4	21	0	48.7	5	1	48.5	18	0
13	NIAW4183	PZTS115	54.0	13	0	45.8	11	0	50.4	14	0
14	PWU15	PZTS117	46.0	23	0	37.8	24	0	42.4	24	0
15	UAS3021	PZTS119	52.7	16	0	43.5	17	0	48.6	17	0
16	MP1386	PZTS120	50.1	20	0	43.6	16	0	47.2	19	0
17	NWS2222	PZTS121	54.2	11	0	51.0	2	1	52.8	4	0
18	MACS6811	PZTS122	58.0	3	0	51.7	1	1	55.2	1	1
19	GW322(C)	PZTS103	54.0	12	0	47.1	8	0	51.0	11	0
20	DBW187(C)	PZTS116	44.8	24	0	43.7	15	0	44.3	22	0
21	MACS6222(C)	PZTS118	54.5	9	0	46.5	9	0	50.9	12	0
22	MACS3949(d)(C)	PZTS113	54.2	10	0	44.1	14	0	49.7	15	0
23	HI8826(d)(I)(C)	PZTS124	61.2	1	1	42.4	20	0	52.9	3	0
24	MACS4100(d)(I)(C)	PZTS111	50.7	18	0	39.7	23	0	45.8	21	0
G.M.			53.3			45.3			49.7		
S.E.(M)			1.084			1.332			0.844		
C.D. (10%)			2.5			3.1			2.0		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-IR-TS-TAD-PZ, 2022-23

SN	Variety	Code	Disease reaction		Agronomic Characteristics								
			BI	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	TGW.R	TGW.M
1	MP1378 *	PZTS112	0	01	59-72	66	103-116	112	76-88	85	20	35-41	39
2	PBW891#	PZTS101	0	00	42-73	61	101-116	109	77-95	89	0	39-51	44
3	HD3469 ^B	PZTS104	0	01	58-72	65	104-120	113	83-98	90	0	39-51	44
4	DBW444 ^B	PZTS106	tMR	01	59-72	66	103-120	112	75-97	89	0	40-54	46
5	DBW443 ^B	PZTS123	0	01	57-73	64	103-115	110	86-95	91	0	42-49	44
6	NIAW4153	PZTS102	0	12	46-60	53	91-110	103	80-88	86	6	44-52	48
7	AKAW5100	PZTS105	0	12	54-65	60	102-113	109	83-93	89	25	34-49	40
8	UAS3020	PZTS107	10S	01	57-70	64	99-114	108	86-102	96	63	39-52	44
9	HI8841(d)	PZTS108	0	00	55-70	64	102-121	111	83-100	94	66	32-53	44
10	WH1306	PZTS109	5MS	12	54-66	61	100-113	107	77-97	91	0	41-50	43
11	MACS6809	PZTS110	0	12	48-62	56	91-114	106	82-96	93	37	41-52	44
12	AKAW5314	PZTS114	0	01	50-65	57	96-112	107	82-98	91	14	39-51	45
13	NIAW4183	PZTS115	0	24	48-62	55	90-112	105	78-87	85	1	43-53	48
14	PWU15	PZTS117	0	12	44-59	53	90-110	104	73-84	80	3	40-46	43
15	UAS3021	PZTS119	0	01	55-69	61	102-112	107	90-100	95	0	45-54	49
16	MP1386	PZTS120	0	24	49-62	56	96-111	105	77-90	85	0	45-52	48
17	NWS2222	PZTS121	0	12	50-64	57	98-112	105	73-92	88	2	37-46	42
18	MACS6811	PZTS122	0	01	59-72	66	103-116	110	81-100	95	3	40-47	44
19	GW322(C)	PZTS103	5S	12	52-64	58	99-112	106	83-96	88	3	38-50	41
20	DBW187(C)	PZTS116	0	12	52-66	60	99-114	108	72-97	89	3	39-47	43
21	MACS6222(C)	PZTS118	0	12	51-66	58	93-111	106	74-94	88	0	41-49	44
22	MACS3949(d)(C)	PZTS113	0	00	58-74	65	105-117	112	75-96	83	2	42-52	47
23	HI8826(d)(l)(C)	PZTS124	0	00	59-71	66	104-116	111	79-109	91	70	42-52	49
24	MACS4100(d)(l)(C)	PZTS111	0	01	50-64	57	92-110	105	73-89	83	60	36-50	42

1. Ancillary data from Pune, Niphad, Dharwad, Dhule, Kalloli, Karad, Nashik, Nippani, Parbhani and Ugar-Khurd
2. Black rust data from Dharwad and Ugar-Khurd centres: Leaf blight data from Kalloli and Ugar-Khurd centres
3. Lodging data from Pune and Parbhani centres

AVT-IR-TS-TAD-PZ, 2022-23

Individual Station Black Rust and Leaf Blight Data

SN	Variety	Code	Black rust		Leaf blight	
			Dharwad	Ugar-khurd	Kalloli	Ugar-khurd
1	MP1378 *	PZTS112	0	0	01	00
2	PBW891#	PZTS101	0	0	00	00
3	HD3469 ^B	PZTS104	0	0	01	00
4	DBW444 ^B	PZTS106	tMR	0	01	00
5	DBW443 ^B	PZTS123	0	0	01	00
6	NIAW4153	PZTS102	0	0	12	01
7	AKAW5100	PZTS105	0	0	12	01
8	UAS3020	PZTS107	0	10S	01	00
9	HI8841(d)	PZTS108	0	0	00	00
10	WH1306	PZTS109	0	5MS	12	00
11	MACS6809	PZTS110	0	0	12	01
12	AKAW5314	PZTS114	0	0	01	00
13	NIAW4183	PZTS115	0	0	24	01
14	PWU15	PZTS117	0	0	12	12
15	UAS3021	PZTS119	0	0	01	00
16	MP1386	PZTS120	0	0	24	00
17	NWS2222	PZTS121	0	0	12	00
18	MACS6811	PZTS122	0	0	00	01
19	GW322(C)	PZTS103	0	5S	12	00
20	DBW187(C)	PZTS116	0	0	12	12
21	MACS6222(C)	PZTS118	0	0	12	00
22	MACS3949(d)(C)	PZTS113	0	0	00	00
23	HI8826(d)(l)(C)	PZTS124	0	0	00	00
24	MACS4100(d)(l)(C)	PZTS111	0	0	01	00

2252 - AVT-IR-LS-TAS-PZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra														
			Niphad			Pune			Nashik			Dhule			Karad		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MP3556 [#]	PZLS218	31.2	23	0	40.2	24	0	39.1	22	0	45.5	18	0	47.1	21	0
2	PBW897 ^Q	PZLS219	38.4	16	0	48.6	11	1	41.5	18	0	42.2	23	0	45.6	23	0
3	MP1388	PZLS201	39.3	14	0	43.7	22	0	44.6	11	0	52.7	10	1	58.0	9	0
4	GW538	PZLS203	42.6	9	0	47.0	14	0	45.3	9	0	46.5	17	0	56.3	12	0
5	DBW395	PZLS205	34.4	20	0	43.7	21	0	35.2	24	0	44.9	21	0	53.2	17	0
6	MACS6805	PZLS206	40.5	13	0	50.7	8	1	43.5	13	0	54.6	8	1	61.5	2	1
7	HI1672	PZLS207	43.1	8	0	46.2	17	0	44.1	12	0	45.3	19	0	60.1	6	1
8	HI1674	PZLS208	46.3	4	1	49.7	9	1	45.4	7	0	56.6	7	1	61.2	3	1
9	UAS3023	PZLS209	23.2	24	0	49.5	10	1	43.1	15	0	59.0	2	1	53.7	15	0
10	AKAW5104	PZLS210	46.0	6	1	42.5	23	0	51.5	1	1	56.7	6	1	57.5	10	0
11	LOK79	PZLS211	48.3	1	1	47.9	13	0	48.4	3	1	49.2	14	0	64.8	1	1
12	HI1675	PZLS212	46.8	3	1	46.1	18	0	41.5	19	0	43.0	22	0	53.3	16	0
13	MP3557	PZLS215	35.2	19	0	44.4	20	0	42.6	16	0	47.1	16	0	48.3	20	0
14	NIAW4120	PZLS216	42.1	10	0	52.8	1	1	41.2	20	0	58.3	3	1	54.5	14	0
15	GW542	PZLS217	32.5	21	0	47.9	12	0	48.7	2	1	34.9	24	0	56.4	11	0
16	WH1310	PZLS220	35.6	17	0	52.6	2	1	42.3	17	0	52.7	9	1	42.6	24	0
17	HI1673	PZLS221	46.1	5	1	46.4	16	0	48.2	4	1	51.1	11	0	59.7	7	1
18	MACS6814	PZLS222	38.8	15	0	51.9	5	1	46.8	6	1	56.7	5	1	52.9	18	0
19	NIAW4114	PZLS224	44.1	7	0	52.3	3	1	45.0	10	0	49.6	12	0	60.9	4	1
20	DBW394	PZLS225	41.0	11	0	51.3	7	1	38.8	23	0	57.9	4	1	50.9	19	0
21	HD3090(C)	PZLS202	47.8	2	1	51.4	6	1	43.5	14	0	62.2	1	1	55.7	13	0
22	HD2932(C)	PZLS204	32.3	22	0	52.0	4	1	47.3	5	1	47.9	15	0	60.4	5	1
23	RAJ4083(C)	PZLS213	35.4	18	0	45.7	19	0	45.3	8	0	45.1	20	0	45.8	22	0
24	HI1633(C)	PZLS223	40.6	12	0	46.9	15	0	41.2	20	0	49.6	13	0	59.4	8	1
G.M.			39.7			48.0			43.9			50.4			55.0		
S.E.(M)			1.467			1.618			2.075			3.630			2.348		
C.D. (10%)			4.1			4.6			5.9			10.2			6.6		
C.V.			7.4			6.7			9.4			14.4			8.5		
D.O.S.(dd.mm.yy)			15.12.22			10.12.22			14.12.22			12.12.22			13.12.22		

No. of Trials : Proposed = 12 Conducted = 12
Trials not reported (03) = Akola (RMT), Ugar-Khurd (RMT), Nippani (HCV)

Note : PZLS214 - No Germination in this entry and hence not included for analysis.

2252 - AVT-IR-LS-TAS-PZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra			Karnataka								
			Parbhani			Dharwad		Bagalkot		Kalloli				
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MP3556 [#]	PZLS218	53.2	24	0	40.7	21	0	30.8	22	0	36.1	22	0
2	PBW897 ^Q	PZLS219	65.3	9	1	51.4	6	1	32.5	18	0	49.0	7	1
3	MP1388	PZLS201	55.2	23	0	39.1	23	0	34.1	14	0	44.4	15	0
4	GW538	PZLS203	60.5	17	0	46.0	13	1	33.5	15	0	52.8	3	1
5	DBW395	PZLS205	59.5	19	0	42.6	18	0	35.4	13	0	42.5	17	0
6	MACS6805	PZLS206	69.9	2	1	45.8	14	1	29.6	23	0	49.8	6	1
7	HI1672	PZLS207	62.3	14	0	55.2	1	1	39.8	3	1	47.4	12	0
8	HI1674	PZLS208	63.4	12	0	54.8	2	1	38.2	7	1	53.1	2	1
9	UAS3023	PZLS209	65.2	10	1	51.5	5	1	32.9	17	0	36.0	23	0
10	AKAW5104	PZLS210	67.7	5	1	48.6	10	1	36.2	11	0	44.1	16	0
11	LOK79	PZLS211	69.7	3	1	46.6	12	1	37.3	8	1	48.0	10	0
12	HI1675	PZLS212	61.1	16	0	50.0	8	1	32.3	19	0	42.4	18	0
13	MP3557	PZLS215	58.2	21	0	39.6	22	0	33.0	16	0	51.0	4	1
14	NIAW4120	PZLS216	70.2	1	1	45.1	16	0	39.2	4	1	49.0	8	1
15	GW542	PZLS217	63.2	13	0	48.2	11	1	38.7	5	1	41.4	20	0
16	WH1310	PZLS220	61.4	15	0	41.4	20	0	30.9	21	0	41.2	21	0
17	HI1673	PZLS221	67.3	7	1	52.2	4	1	29.1	24	0	47.4	11	0
18	MACS6814	PZLS222	67.8	4	1	39.0	24	0	36.8	9	0	50.9	5	1
19	NIAW4114	PZLS224	65.9	8	1	49.9	9	1	36.1	12	0	56.3	1	1
20	DBW394	PZLS225	56.7	22	0	43.5	17	0	43.6	1	1	48.5	9	0
21	HD3090(C)	PZLS202	58.5	20	0	42.3	19	0	38.2	6	1	46.6	13	0
22	HD2932(C)	PZLS204	63.8	11	0	51.0	7	1	40.6	2	1	32.9	24	0
23	RAJ4083(C)	PZLS213	60.2	18	0	52.3	3	1	31.3	20	0	46.5	14	0
24	HI1633(C)	PZLS223	67.4	6	1	45.4	15	0	36.6	10	0	41.9	19	0
G.M.			63.1			46.8			35.3			45.8		
S.E.(M)			1.843			3.365			2.290			2.733		
C.D. (10%)			5.2			9.5			6.5			7.7		
C.V.			5.8			14.4			13.0			11.9		
D.O.S.(dd.mm.yy)			06.12.22			09.12.22			08.12.22			07.12.22		

2252 - AVT-IR-LS-TAS-PZ, 2022-23

STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Maharashtra			Karnataka			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MP3556 [#]	PZLS218	42.7	24	0	35.9	24	0	40.4	24	0
2	PBW897 ^Q	PZLS219	47.0	20	0	44.3	6	0	46.1	16	0
3	MP1388	PZLS201	48.9	16	0	39.2	22	0	45.7	19	0
4	GW538	PZLS203	49.7	13	0	44.1	7	0	47.8	12	0
5	DBW395	PZLS205	45.2	23	0	40.2	20	0	43.5	23	0
6	MACS6805	PZLS206	53.5	4	1	41.7	15	0	49.6	8	0
7	HI1672	PZLS207	50.2	12	0	47.4	2	1	49.3	9	0
8	HI1674	PZLS208	53.8	2	1	48.7	1	1	52.1	1	1
9	UAS3023	PZLS209	48.9	15	0	40.1	21	0	46.0	17	0
10	AKAW5104	PZLS210	53.6	3	1	43.0	10	0	50.1	5	0
11	LOK79	PZLS211	54.7	1	1	44.0	8	0	51.1	2	1
12	HI1675	PZLS212	48.6	17	0	41.6	16	0	46.3	15	0
13	MP3557	PZLS215	46.0	22	0	41.2	19	0	44.4	22	0
14	NIAW4120	PZLS216	53.2	5	1	44.4	5	0	50.3	4	1
15	GW542	PZLS217	47.3	19	0	42.7	12	0	45.8	18	0
16	WH1310	PZLS220	47.9	18	0	37.9	23	0	44.5	21	0
17	HI1673	PZLS221	53.1	7	1	42.9	11	0	49.7	6	0
18	MACS6814	PZLS222	52.5	9	0	42.3	14	0	49.1	10	0
19	NIAW4114	PZLS224	53.0	8	1	47.4	3	1	51.1	3	1
20	DBW394	PZLS225	49.4	14	0	45.2	4	1	48.0	11	0
21	HD3090(C)	PZLS202	53.2	6	1	42.4	13	0	49.6	7	0
22	HD2932(C)	PZLS204	50.6	11	0	41.5	17	0	47.6	14	0
23	RAJ4083(C)	PZLS213	46.3	21	0	43.4	9	0	45.3	20	0
24	HI1633(C)	PZLS223	50.8	10	0	41.3	18	0	47.7	13	0
G.M.			50.0			42.6			47.5		
S.E.(M)			0.930			1.634			0.825		
C.D. (10%)			2.2			3.8			1.9		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-IR-LS-TAS-PZ, 2022-23

SN	Variety	Code	Disease reaction		Agronomic Characteristics							
			BI	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	MP3556 [#]	PZLS218	0	12	50-65	56	93-112	104	69-93	77	32-42	36
2	PBW897 ^Q	PZLS219	10MS	12	46-71	64	101-116	109	79-96	90	36-52	43
3	MP1388	PZLS201	0	12	49-60	53	90-111	103	90-108	102	37-46	41
4	GW538	PZLS203	0	12	47-60	53	92-112	103	74-87	81	37-54	43
5	DBW395	PZLS205	0	01	60-71	65	100-116	109	91-108	100	43-51	45
6	MACS6805	PZLS206	0	01	47-63	57	97-115	106	91-100	94	38-46	42
7	HI1672	PZLS207	0	24	45-58	51	96-112	104	72-96	79	40-52	44
8	HI1674	PZLS208	0	24	49-60	53	97-111	104	72-95	79	40-47	44
9	UAS3023	PZLS209	0	12	50-70	64	101-116	109	90-102	97	27-44	37
10	AKAW5104	PZLS210	0	12	49-58	53	92-110	103	81-95	89	35-50	43
11	LOK79	PZLS211	0	12	49-59	54	92-111	103	78-89	85	40-47	43
12	HI1675	PZLS212	0	12	47-58	52	91-111	103	74-96	91	39-47	44
13	MP3557	PZLS215	0	01	50-66	56	94-113	105	81-88	83	37-41	38
14	NIAW4120	PZLS216	0	12	50-63	55	96-113	105	82-95	85	44-53	48
15	GW542	PZLS217	10MS	12	50-59	55	93-110	104	81-94	88	41-51	47
16	WH1310	PZLS220	0	01	44-75	68	102-118	112	80-95	88	32-52	40
17	HI1673	PZLS221	0	12	48-64	54	96-111	104	84-94	91	35-53	41
18	MACS6814	PZLS222	0	01	46-68	59	99-112	106	95-102	98	37-52	42
19	NIAW4114	PZLS224	0	24	50-62	55	93-113	103	79-94	90	40-52	42
20	DBW394	PZLS225	0	12	47-64	59	100-116	108	84-95	91	37-51	42
21	HD3090(C)	PZLS202	0	12	53-69	60	100-114	107	89-102	95	34-44	40
22	HD2932(C)	PZLS204	5MS	12	50-64	56	93-113	104	80-93	87	36-44	42
23	RAJ4083(C)	PZLS213	0	12	49-59	53	92-111	103	77-90	82	36-51	42
24	HI1633(C)	PZLS223	0	12	50-62	56	94-113	104	76-93	84	38-52	44

1. Ancillary data from Pune, Niphad, Bagalkot, Dharwad, Dhule, Kalloli, Karad, Nashik, Nippani and Parbhani
2. Black rust and leaf blight data from Kalloli centre

2253-AVT-RI-TS-TAD-PZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra						Karnataka					
			Niphad			Nashik			Dharwad			Nippani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	NIAW4028**	PZRI302	35.5	3	0	30.8	6	0	33.8	1	1	31.1	9	0
2	DBW359*	PZRI306	33.8	5	0	31.2	5	0	33.5	3	1	36.7	1	1
3	HI1665*	PZRI307	33.9	4	0	35.9	1	1	31.1	9	1	30.3	10	0
4	UAS478(d)*	PZRI305	29.5	9	0	26.9	9	0	32.2	6	1	34.9	3	1
5	HI8840(d)*	PZRI312	33.1	6	0	32.0	3	0	29.8	10	0	32.7	7	1
6	DBW397 ^u	PZRI303	37.4	2	1	31.5	4	0	33.8	2	1	26.9	12	0
7	UAS481(d)	PZRI304	26.3	10	0	25.1	10	0	32.0	8	1	33.1	5	1
8	DDW61(d)	PZRI308	24.8	12	0	23.0	12	0	26.9	12	0	28.8	11	0
9	NIAW3170(C)	PZRI301	38.8	1	1	32.3	2	0	32.9	4	1	31.6	8	0
10	HI1605 (C)	PZRI310	32.0	7	0	28.4	8	0	32.2	7	1	34.8	4	1
11	NIDW1149(d)(C)	PZRI309	30.6	8	0	29.7	7	0	32.7	5	1	34.9	2	1
12	UAS446(d)(C)	PZRI311	25.6	11	0	23.2	11	0	28.5	11	0	33.1	6	1
G.M.			31.8			29.2			31.6			32.4		
S.E.(M)			0.962			1.417			1.526			2.081		
C.D. (10%)			2.3			3.4			3.7			5.0		
C.V.			6.1			9.7			9.7			12.8		
D.O.S.(dd.mm.yy)			05.11.22			04.11.22			03.11.22			04.11.22		

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

2253-AVT-RI-TS-TAD-PZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Karnataka								
			Bagalkot			Ugar-Khurd			Kalloli		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	NIAW4028**	PZRI302	34.2	4	1	35.0	5	1	32.7	4	1
2	DBW359*	PZRI306	37.2	1	1	35.9	2	1	35.4	2	1
3	HI1665*	PZRI307	36.1	2	1	32.1	9	0	36.7	1	1
4	UAS478(d)*	PZRI305	34.1	7	1	35.4	4	1	31.9	6	0
5	HI8840(d)*	PZRI312	29.3	10	0	30.0	10	0	30.5	10	0
6	DBW397 ^u	PZRI303	34.2	5	1	34.9	6	1	29.7	11	0
7	UAS481(d)	PZRI304	33.2	8	0	32.9	7	0	31.1	7	0
8	DDW61(d)	PZRI308	27.4	12	0	27.8	11	0	29.4	12	0
9	NIAW3170(C)	PZRI301	34.5	3	1	35.8	3	1	32.7	5	1
10	HI1605 (C)	PZRI310	34.1	6	1	37.8	1	1	33.6	3	1
11	NIDW1149(d)(C)	PZRI309	33.0	9	0	32.7	8	0	31.1	8	0
12	UAS446(d)(C)	PZRI311	28.5	11	0	25.8	12	0	30.8	9	0
G.M.			33.0			33.0			32.1		
S.E.(M)			1.604			1.542			1.801		
C.D. (10%)			3.8			3.7			4.3		
C.V.			9.7			9.3			11.2		
D.O.S.(dd.mm.yy)			05.11.22			05.11.22			03.11.22		

2253-AVT-RI-TS-TAD-PZ, 2022-23
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Maharashtra	Karnataka	Zonal						
			Yield Rk G	Yield Rk G	Yield Rk G						
1	NIAW4028**	PZRI302	33.2	4	0	33.4	5	0	33.3	4	0
2	DBW359*	PZRI306	32.5	6	0	35.7	1	1	34.8	1	1
3	HI1665*	PZRI307	34.9	2	1	33.3	6	0	33.7	3	1
4	UAS478(d)*	PZRI305	28.2	9	0	33.7	3	0	32.1	7	0
5	HI8840(d)*	PZRI312	32.5	5	0	30.4	10	0	31.0	9	0
6	DBW397 ^u	PZRI303	34.4	3	1	31.9	9	0	32.6	6	0
7	UAS481(d)	PZRI304	25.7	10	0	32.5	8	0	30.5	10	0
8	DDW61(d)	PZRI308	23.9	12	0	28.1	12	0	26.9	12	0
9	NIAW3170(C)	PZRI301	35.6	1	1	33.5	4	0	34.1	2	1
10	HI1605 (C)	PZRI310	30.2	7	0	34.5	2	1	33.3	5	0
11	NIDW1149(d)(C)	PZRI309	30.1	8	0	32.9	7	0	32.1	8	0
12	UAS446(d)(C)	PZRI311	24.4	11	0	29.3	11	0	27.9	11	0
G.M.			30.5			32.4			31.9		
S.E.(M)			0.857			0.771			0.603		
C.D. (10%)			2.0			1.8			1.4		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-RI-TS-TAD-PZ, 2022-23

	Variety	Code	Disease reaction		Agronomic Characteristics						Grain Characteristics	
			Br	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	NIAW4028#*	PZRI302	tMR	12	50-62	54	94-116	104	70-82	75	38-43	41
2	DBW359*	PZRI306	0	01	50-60	53	98-114	105	65-79	71	32-45	40
3	HI1665*	PZRI307	0	12	48-66	54	100-118	108	70-82	76	31-43	40
4	UAS478(d)*	PZRI305	0	12	49-63	54	100-116	105	68-75	72	33-46	42
5	HI8840(d)*	PZRI312	0	01	48-61	53	99-116	106	65-76	71	37-47	42
6	DBW397 ^Q	PZRI303	0	12	51-65	55	102-118	106	66-80	72	35-43	40
7	UAS481(d)	PZRI304	0	01	54-68	59	104-119	108	62-71	68	29-43	39
8	DDW61(d)	PZRI308	0	01	52-69	61	107-118	112	66-77	72	22-43	37
9	NIAW3170(C)	PZRI301	0	12	47-57	51	95-116	102	75-84	79	35-44	39
10	HI1605(C)	PZRI310	0	12	52-64	57	99-120	108	69-82	76	31-46	39
11	NIDW1149(d)(C)	PZRI309	0	12	48-59	53	93-115	104	69-73	72	40-53	45
12	UAS446(d)(C)	PZRI311	0	12	57-66	59	103-121	111	69-77	73	31-45	39

1. Ancillary data from Pune, Niphad, Bagalkot, Dharwad, Kalloli, Nashik, Nippani, Parbhani and Ugar-Khurd centres
2. Brown rust and leaf blight data from Kalloli centre