

1951-AVT-IR-TS-TAD-PZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra												Karnataka		
			Niphad			Pravaranaagar			Pune			Nashik			Dharwad		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DDW48(d)*Q	PZ-TS-102	39.7	5	0	48.6	1	1	52.4	6	0	45.2	5	1	41.1	6	0
2	DDW49(d)*Q	PZ-TS-107	33.5	8	0	41.6	4	0	55.3	3	0	46.0	4	1	35.3	7	0
3	WHD964 (d)	PZ-TS-101	45.9	1	1	41.7	3	0	55.9	2	1	49.4	1	1	44.4	4	1
4	HI8818 (d)	PZ-TS-105	42.4	2	1	38.8	8	0	48.3	8	0	38.5	7	0	41.9	5	1
5	MACS6222 (C)	PZ-TS-103	42.4	3	1	39.3	7	0	58.3	1	1	37.4	8	0	44.7	3	1
6	GW322 (C)	PZ-TS-108	35.8	7	0	43.8	2	0	54.3	4	0	48.4	2	1	29.3	8	0
7	MACS3949(d)(C)	PZ-TS-104	40.2	4	1	39.3	6	0	49.5	7	0	47.8	3	1	45.8	2	1
8	UAS428(d)(C)	PZ-TS-106	39.4	6	0	40.3	5	0	53.8	5	0	40.4	6	0	48.0	1	1
G.M.			39.9			41.7			53.5			44.1			41.3		
S.E.(M)			2.353			1.268			1.198			1.972			2.588		
C.D. (10%)			5.7			3.1			2.9			4.8			6.3		
C.V.			11.8			6.1			4.5			8.9			12.5		
D.O.S.(dd.mm.yy)			28.11.19			12.11.19			18.11.19			17.11.19			18.11.19		

No. of Trials : Proposed = 16 Conducted = 16
Trial not reported (06) = Akola (LSM, LS), Karad (RMT), Parbhani (LSM, LS), Kolhapur (LSM)
Mandya (LSM), Hyderabad (LSM)

1951-AVT-IR-TS-TAD-PZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Karnataka														
			Arbhavi			Kalloli			Nippani			Ugar-Khurd			Mudhol		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DDW48(d)*Q	PZ-TS-102	44.9	2	1	43.3	2	0	39.1	7	0	44.1	1	1	41.3	4	1
2	DDW49(d)*Q	PZ-TS-107	37.5	6	0	41.4	4	0	38.3	8	0	40.0	7	1	41.3	3	1
3	WHD964 (d)	PZ-TS-101	44.0	3	1	50.6	1	1	42.7	2	1	43.3	3	1	42.3	2	1
4	HI8818 (d)	PZ-TS-105	42.6	5	0	35.0	7	0	40.1	5	1	38.7	8	0	37.7	8	0
5	MACS6222 (C)	PZ-TS-103	37.5	7	0	35.9	6	0	41.1	4	1	41.0	5	1	37.9	7	0
6	GW322 (C)	PZ-TS-108	37.1	8	0	40.8	5	0	42.3	3	1	41.4	4	1	39.8	5	1
7	MACS3949(d)(C)	PZ-TS-104	47.9	1	1	42.9	3	0	39.3	6	1	43.4	2	1	39.6	6	1
8	UAS428(d)(C)	PZ-TS-106	43.5	4	1	33.0	8	0	44.2	1	1	40.4	6	1	43.8	1	1
G.M.			41.9			40.4			40.9			41.5			40.5		
S.E.(M)			2.164			1.833			2.061			2.086			1.750		
C.D. (10%)			5.3			4.5			5.0			5.1			4.3		
C.V.			10.3			9.1			10.1			10.1			8.7		
D.O.S.(dd.mm.yy)			18.11.19			18.11.19			19.11.19			20.11.19			19.11.20		

1951-AVT-IR-TS-TAD-PZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Maharashtra			Karnataka			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	DDW48(d)*Q	PZ-TS-102	46.5	2	1	42.3	3	0	44.0	2	0
2	DDW49(d)*Q	PZ-TS-107	44.1	6	0	39.0	7	0	41.0	7	0
3	WHD964 (d)	PZ-TS-101	48.2	1	1	44.5	1	1	46.0	1	1
4	HI8818 (d)	PZ-TS-105	42.0	8	0	39.3	6	0	40.4	8	0
5	MACS6222 (C)	PZ-TS-103	44.3	4	0	39.7	5	0	41.5	5	0
6	GW322 (C)	PZ-TS-108	45.6	3	0	38.5	8	0	41.3	6	0
7	MACS3949(d)(C)	PZ-TS-104	44.2	5	0	43.1	2	1	43.6	3	0
8	UAS428(d)(C)	PZ-TS-106	43.5	7	0	42.1	4	0	42.7	4	0
G.M.			44.8			41.1			42.6		
S.E.(M)			0.883			0.856			0.624		
C.D. (10%)			2.1			2.0			1.5		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-IR-TS-TAD-PZ, 2019-20

SN	Variety	Code	Disease reaction					Agronomic Characteristics								Grain Characteristics			
			Br	ACI	BI	ACI	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	DDW48(d) ^{Q*}	PZ-TS-102	0	0.0	20S	16.3	24	62-76	67	103-121	111	78-96	83	30	M	A	H	38-55	47
2	DDW49(d) ^{Q*}	PZ-TS-107	10MS	2.7	80S	42.5	34	62-76	67	101-122	109	85-97	92	30	M	A	H	33-45	37
3	WHD964(d)	PZ-TS-101	5MS	1.3	20S	11.0	34	63-73	66	100-119	110	79-97	91	40	Ey	A	SH	35-53	42
4	HI8818 (d)	PZ-TS-105	0	0.0	5MS	2.2	46	60-74	65	102-118	108	79-95	87	40	M	A	H	42-53	47
5	MACS6222 (C)	PZ-TS-103	10MS	2.7	5MS	1.0	34	54-68	59	87-113	103	79-93	86	10	Ey	A	H	42-48	46
6	GW322(C)	PZ-TS-108	20S	10.7	20S	9.3	24	58-76	64	100-115	107	76-97	82	20	Ey	A	SH	33-57	38
7	MACS3949(d)(C)	PZ-TS-104	5MS	2.0	10S	5.3	34	63-75	68	102-121	111	78-95	88	40	M	A	H	41-50	47
8	UAS428(d)(C)	PZ-TS-106	5MS	1.3	10S	6.0	34	60-72	65	101-117	108	80-98	91	30	M	A	H	40-51	44

1. Ancillary data from Arbhavi, Dharwad, Kalloli, Mudhol, Nippani, Ugar, Nashik, Niphad, Pune and Pravaranagar centres
2. Brown rust data from Arbhavi, Dharwad, Mudhol and black rust data from Mudhol, Kalloli, Nippani and Ugar centres.
3. Leaf blight data from Arbhavi centre only; 4. Lodging data from Pune centre only.

Individual Station Rust Data

SN.	Variety	Code	Brown rust			Black rust			
			Arbhavi	Dharwad	Mudhol	Kalloli	Mudhol	Nippani	Ugar
1	DDW48(d) ^{Q*}	PZ-TS-102	0	0	0	20S	20S	5S	20S
2	DDW49(d) ^{Q*}	PZ-TS-107	0	10MS	0	60S	80S	10S	20S
3	WHD964(d)	PZ-TS-101	0	5MS	0	20S	10S	5MS	10S
4	HI8818(d)	PZ-TS-105	0	0	0	1MS	5MS	0	5MS
5	MACS6222(C)	PZ-TS-103	0	10MS	0	0	0	0	5MS
6	GW322(C)	PZ-TS-108	5MS	20S	10MS	5S	10MS	20S	5MS
7	MACS3949(d)(C)	PZ-TS-104	0	5MR	5MS	5MS	10S	5MR	5S
8	UAS428(d)(C)	PZ-TS-106	0	5MS	0	5MS	10S	0	10S

1952-AVT-IR-LS-TAS-PZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra														
			Niphad			Pravaranaagar			Pune			Akola			Parbhani		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1633*	PZ-LS-210	48.7	5	1	38.1	3	0	44.4	6	1	36.9	8	0	31.8	6	0
2	GW519	PZ-LS-201	47.3	7	0	38.1	4	0	44.1	8	1	41.0	3	1	30.0	8	0
3	HI1646	PZ-LS-202	45.5	9	0	34.0	6	0	42.5	9	0	36.6	10	0	36.4	2	1
4	UAS3008	PZ-LS-205	46.8	8	0	31.7	10	0	45.8	4	1	42.1	2	1	27.0	11	0
5	MACS6749	PZ-LS-206	48.4	6	1	31.3	11	0	45.8	5	1	38.6	5	0	32.1	4	0
6	HI1641	PZ-LS-208	55.4	2	1	32.8	8	0	45.9	3	1	42.4	1	1	30.9	7	0
7	HI1642	PZ-LS-209	52.5	4	1	33.0	7	0	41.6	11	0	36.4	11	0	28.9	10	0
8	MACS6752	PZ-LS-211	53.5	3	1	46.6	1	1	46.2	2	1	37.9	6	0	32.3	3	0
9	HD3090 (C)	PZ-LS-203	56.1	1	1	31.8	9	0	46.8	1	1	40.6	4	1	37.3	1	1
10	RAJ4083 (C)	PZ-LS-204	42.7	10	0	36.1	5	0	42.5	10	0	36.6	9	0	29.6	9	0
11	HD2932 (C)	PZ-LS-207	37.8	11	0	42.8	2	1	44.4	7	1	37.5	7	0	32.0	5	0
G.M.			48.6			36.0			44.5			38.8			31.7		
S.E.(M)			3.459			2.595			1.584			1.517			0.772		
C.D. (10%)			8.3			6.2			3.8			3.6			1.9		
C.V.			14.2			14.4			7.1			7.8			4.9		
D.O.S.(dd.mm.yy)			09.12.19			14.12.19			11.12.19			04.12.19			06.12.19		

No. of Trials : Proposed = 16 Conducted = 16
Trials not Reported (03) : Mandya (LSM), Hyderabad (LSM), Kalloli (RMT)

1952-AVT-IR-LS-TAS-PZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra									Karnataka					
			Nashik			Karad			Kolhapur			Dharwad			Arbhavi		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1633*	PZ-LS-210	38.3	5	1	50.7	4	1	27.8	8	1	33.7	5	1	30.8	7	0
2	GW519	PZ-LS-201	36.5	8	1	49.5	6	1	19.1	11	0	36.2	2	1	31.3	6	0
3	HI1646	PZ-LS-202	38.0	6	1	50.6	5	1	29.4	4	1	36.2	1	1	32.5	5	0
4	UAS3008	PZ-LS-205	34.9	10	0	46.6	10	0	33.4	1	1	32.0	8	0	22.9	11	0
5	MACS6749	PZ-LS-206	36.5	9	1	54.2	1	1	28.4	7	1	32.5	7	1	29.2	9	0
6	HI1641	PZ-LS-208	37.3	7	1	51.4	2	1	30.9	2	1	34.9	3	1	34.3	4	0
7	HI1642	PZ-LS-209	34.6	11	0	47.6	9	0	29.2	5	1	34.8	4	1	40.0	1	1
8	MACS6752	PZ-LS-211	39.9	4	1	50.7	3	1	28.6	6	1	32.9	6	1	35.3	2	1
9	HD3090 (C)	PZ-LS-203	40.9	2	1	48.0	8	0	27.6	9	0	27.2	9	0	26.4	10	0
10	RAJ4083 (C)	PZ-LS-204	41.2	1	1	43.2	11	0	30.1	3	1	25.2	10	0	29.6	8	0
11	HD2932 (C)	PZ-LS-207	40.7	3	1	49.0	7	1	25.0	10	0	21.7	11	0	34.6	3	0
G.M.			38.1			49.2			28.1			31.6			31.5		
S.E.(M)			2.253			2.316			2.369			1.706			2.052		
C.D. (10%)			5.4			5.6			5.7			4.1			4.9		
C.V.			11.8			9.4			16.8			10.8			13.0		
D.O.S.(dd.mm.yy)			02.12.19			07.12.19			09.12.19			07.12.19			05.12.19		

1952-AVT-IR-LS-TAS-PZ, 2019-20

LOCATIONWISE MEAN YIELD(q/ha)

SN	Variety	Code	Karnataka Mudhol			Karnataka Nippani			Karnataka Ugar-Khurd		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1633*	PZ-LS-210	30.3	7	0	45.0	2	1	31.8	7	1
2	GW519	PZ-LS-201	32.0	4	0	43.9	3	1	31.9	6	1
3	HI1646	PZ-LS-202	28.8	9	0	42.3	5	1	29.1	9	0
4	UAS3008	PZ-LS-205	31.1	6	0	38.9	10	0	32.9	4	1
5	MACS6749	PZ-LS-206	38.7	1	1	41.0	8	1	26.5	11	0
6	HI1641	PZ-LS-208	31.6	5	0	43.7	4	1	28.8	10	0
7	HI1642	PZ-LS-209	24.9	11	0	46.5	1	1	29.4	8	0
8	MACS6752	PZ-LS-211	26.8	10	0	41.3	7	1	34.3	2	1
9	HD3090 (C)	PZ-LS-203	36.0	2	1	39.7	9	0	35.3	1	1
10	RAJ4083 (C)	PZ-LS-204	29.9	8	0	32.9	11	0	32.7	5	1
11	HD2932 (C)	PZ-LS-207	32.4	3	0	41.5	6	1	33.7	3	1
G.M.			31.1			41.5			31.5		
S.E.(M)			1.885			2.456			2.348		
C.D. (10%)			4.5			5.9			5.6		
C.V.			12.1			11.8			14.9		
D.O.S.(dd.mm.yy)			06.12.19			09.12.19			10.12.19		

1952-AVT-IR-LS-TAS-PZ, 2019-20

STATE AND ZONAL MEANS(q/ha)

SN	Variety	Code	Maharashtra			Karnataka			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1633*	PZ-LS-210	39.6	4	0	34.3	4	1	37.6	4	1
2	GW519	PZ-LS-201	38.2	9	0	35.1	2	1	37.0	7	0
3	HI1646	PZ-LS-202	39.1	6	0	33.8	6	1	37.1	6	0
4	UAS3008	PZ-LS-205	38.5	8	0	31.6	10	0	35.9	10	0
5	MACS6749	PZ-LS-206	39.4	5	0	33.6	7	1	37.2	5	0
6	HI1641	PZ-LS-208	40.9	3	1	34.7	3	1	38.5	2	1
7	HI1642	PZ-LS-209	38.0	10	0	35.1	1	1	36.9	8	0
8	MACS6752	PZ-LS-211	42.0	1	1	34.1	5	1	38.9	1	1
9	HD3090 (C)	PZ-LS-203	41.1	2	1	32.9	8	1	38.0	3	1
10	RAJ4083 (C)	PZ-LS-204	37.8	11	0	30.1	11	0	34.8	11	0
11	HD2932 (C)	PZ-LS-207	38.6	7	0	32.8	9	0	36.4	9	0
G.M.			39.4			33.5			37.1		
S.E.(M)			0.792			0.943			0.608		
C.D. (10%)			1.8			2.2			1.4		

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-IR-LS-TAS-PZ, 2019-20

SN	Variety	Code	Disease reaction					Agronomic Characteristics							Grain Characteristics			
			Br	BI	ACI	LB	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HI1633*	PZ-LS-210	0	5MS	1.0	34	3	43-60	51	81-102	97	62-90	80	Ey	A	SH	39-45	42
2	GW519	PZ-LS-201	0	0	0.0	24	3	46-64	53	86-106	98	66-94	77	Ey	A	SH	39-49	45
3	HI1646	PZ-LS-202	10S	10S	4.5	24	0	50-63	55	89-107	100	72-102	85	Ey	A	SH	33-41	37
4	UAS3008	PZ-LS-205	10S	10S	7.0	24	6	47-61	53	87-105	97	67-102	83	Ey	A	H	37-47	43
5	MACS6749	PZ-LS-206	5MS	tMS	0.4	24	3	46-61	53	85-103	98	70-99	86	Ey	A	H	40-47	44
6	HI1641	PZ-LS-208	0	0	0.0	34	2	42-62	51	82-101	95	69-103	85	Ey	A	SH	41-46	42
7	HI1642	PZ-LS-209	5MS	0	0.0	01	2	45-64	53	86-107	99	68-93	82	M	A	H	38-53	47
8	MACS6752	PZ-LS-211	0	0	0.0	12	6	45-62	52	85-105	98	65-101	79	Ey	A	SH	38-47	41
9	HD3090 (C)	PZ-LS-203	0	0	0.0	24	6	49-69	56	88-109	102	75-104	88	Ey	A	H	34-42	39
10	RAJ4083(C)	PZ-LS-204	10MS	10S	4.5	24	1	40-63	51	79-103	96	62-93	75	Ey	A	SH	39-51	44
11	HD2932(C)	PZ-LS-207	40S	20S	7.2	24	3	47-63	54	85-106	99	69-97	82	Ey	A	SH	35-44	39

- Ancillary data from Arbhavi, Dharwad, Mudhol, Nippani, Ugar, Nashik, Niphad, Parbhani, Pune, Kolhapur, Pravaranagar, Akola and Karad centres; Brown rust data from Arbhavi, Mudhol and black rust data from Arbhavi, Dharwad, Mudhol and Ugar centres.
- Leaf blight data from Arbhavi centre and Black point data from Pune centre only.

Individual Station Disease Data

SN.	Variety	Code	Brown rust		Black rust			
			Arbhavi	Mudhol	Arbhavi	Dharwad	Mudhol	Ugar
1	HI1633*	PZ-LS-210	0	0	0	5MS	0	0
2	GW519	PZ-LS-201	0	0	0	0	0	0
3	HI1646	PZ-LS-202	0	10S	5MS	10S	5MS	0
4	UAS3008	PZ-LS-205	10S	5MS	10S	10S	10MS	0
5	MACS6749	PZ-LS-206	0	5MS	0	tMS	tMS	0
6	HI1641	PZ-LS-208	0	0	0	0	0	0
7	HI1642	PZ-LS-209	0	5MS	0	0	0	0
8	MACS6752	PZ-LS-211	0	0	0	0	0	0
9	HD3090 (C)	PZ-LS-203	0	0	0	0	0	0
10	RAJ4083(C)	PZ-LS-204	0	10MS	0	10S	5MS	5MS
11	HD2932(C)	PZ-LS-207	0	40S	tMS	20S	5MS	5MS

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LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Maharashtra														
			Niphad			Pune			Parbhani			Nashik			Savalivihir		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	NIDW1149(d)*	PZ-RI-301	25.6	3	1	30.9	2	1	20.3	8	0	25.5	2	1	21.4	7	0
2	MPO1357(d) ^Q	PZ-RI-309	24.2	5	0	30.1	3	1	20.5	6	0	22.5	5	0	21.4	6	0
3	MACS4087(d)	PZ-RI-304	27.5	1	1	29.2	4	1	22.1	2	0	22.9	3	0	17.9	9	0
4	MP1358	PZ-RI-305	24.0	6	0	32.4	1	1	24.0	1	1	22.7	4	0	26.4	1	1
5	UAS472(d)	PZ-RI-308	23.9	7	0	23.6	9	0	19.5	9	0	17.8	10	0	17.1	10	0
6	UAS446(d) (C)	PZ-RI-302	20.2	10	0	21.2	10	0	20.4	7	0	21.5	7	0	23.9	4	1
7	HI1605 (C)	PZ-RI-303	21.5	8	0	24.0	8	0	21.8	3	0	27.4	1	1	26.2	2	1
8	AKDW2997-16(d)(C)	PZ-RI-306	21.4	9	0	26.4	6	0	21.6	4	0	21.2	8	0	18.6	8	0
9	NIAW3170(I)(C)	PZ-RI-310	24.2	4	0	26.9	5	0	20.9	5	0	19.4	9	0	25.4	3	1
10	HI8805(d)(I)(C)	PZ-RI-307	25.9	2	1	24.2	7	0	18.7	10	0	22.1	6	0	22.0	5	0
G.M.			23.8			26.9			21.0			22.3			22.0		
S.E.(M)			1.162			1.533			0.724			1.380			1.272		
C.D. (10%)			2.8			3.7			1.7			3.3			3.1		
C.V.			9.7			11.4			6.9			12.4			11.6		
D.O.S.(dd.mm.yy)			23.11.19			13.11.19			19.11.19			16.11.19			10.11.19		

No. of Trials : Proposed = 12 Conducted = 11

Trials not conducted (01) = Baramati

Trials not reported (03) = Karad (RMT), Nippani (RMT), Karjat (LSM)

1953-AVT-RI-TS-TAD-PZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Karnataka								
			Dharwad			Bailahongal			Bagalkot		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	NIDW1149(d)*	PZ-RI-301	22.0	10	0	33.0	1	1	29.3	5	1
2	MPO1357(d) ^Q	PZ-RI-309	25.6	6	0	23.8	10	0	23.6	10	0
3	MACS4087(d)	PZ-RI-304	29.9	1	1	28.7	4	0	31.0	3	1
4	MP1358	PZ-RI-305	28.6	3	1	30.3	3	1	32.8	1	1
5	UAS472(d)	PZ-RI-308	24.8	8	0	24.7	9	0	25.2	9	0
6	UAS446(d) (C)	PZ-RI-302	26.2	5	1	26.9	6	0	27.1	8	0
7	HI1605 (C)	PZ-RI-303	25.1	7	0	30.4	2	1	31.8	2	1
8	AKDW2997-16(d)(C)	PZ-RI-306	26.8	4	1	26.3	7	0	28.4	7	1
9	NIAW3170(I)(C)	PZ-RI-310	28.7	2	1	27.0	5	0	28.8	6	1
10	HI8805(d)(I)(C)	PZ-RI-307	23.9	9	0	26.0	8	0	30.9	4	1
G.M.			26.2			27.7			28.9		
S.E.(M)			1.596			1.633			1.980		
C.D. (10%)			3.8			3.9			4.8		
C.V.			12.2			11.8			13.7		
D.O.S.(dd.mm.yy)			13.11.19			18.11.19			19.11.19		

1953-AVT-RI-TS-TAD-PZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Maharashtra	Karnataka	ZONAL
			Yield Rk G	Yield Rk G	Yield Rk G
1	NIDW1149(d)*	PZ-RI-301	24.7 2 1	28.1 5 0	26.0 4 0
2	MPO1357(d) ^Q	PZ-RI-309	23.7 5 0	24.3 10 0	23.9 7 0
3	MACS4087(d)	PZ-RI-304	23.9 4 0	29.8 2 1	26.1 2 0
4	MP1358	PZ-RI-305	25.9 1 1	30.6 1 1	27.6 1 1
5	UAS472(d)	PZ-RI-308	20.4 10 0	24.9 9 0	22.1 10 0
6	UAS446(d) (C)	PZ-RI-302	21.4 9 0	26.7 8 0	23.4 9 0
7	HI1605 (C)	PZ-RI-303	24.2 3 0	29.1 3 1	26.0 3 0
8	AKDW2997-16(d)(C)	PZ-RI-306	21.8 8 0	27.2 6 0	23.8 8 0
9	NIAW3170(I)(C)	PZ-RI-310	23.4 6 0	28.2 4 0	25.2 5 0
10	HI8805(d)(I)(C)	PZ-RI-307	22.6 7 0	26.9 7 0	24.2 6 0
G.M.			23.2	27.6	24.9
S.E.(M)			0.557	1.007	0.514
C.D. (10%)			1.3	2.4	1.2

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: AVT-TS-RI-TAD-PZ, 2019-20

SN	Variety	Code	Disease reaction	Agronomic Characteristics								Grain Characteristics			
			Brown rust	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	NIDW 1149(d)	PZ-RI-301	0	50-62	54	98-108	103	51-84	65	15	M	A	H	38-49	46
2	MACS 4087(d)	PZ-RI-304	0	51-68	58	100-111	105	65-97	85	0	Ey	A	H	41-44	42
3	MP 1358	PZ-RI-305	5MR	52-68	58	102-113	107	65-81	74	0	M	A	SH	36-43	40
4	UAS 472(d)	PZ-RI-308	0	50-72	61	103-114	108	64-77	70	0	Ey	A	SH	33-44	40
5	MPO 1357(d)	PZ-RI-309	0	52-73	63	101-115	108	66-82	73	5	M	A	H	33-42	39
6	UAS446(d) (C)	PZ-RI-302	0	51-67	57	99-110	104	64-79	72	0	M	A	SH	34-38	36
7	HI 1605 (C)	PZ-RI-303	5MR	50-65	56	97-112	104	61-82	72	5	Ey	A	SH	32-41	36
8	AKDW 2997-16(d) (C)	PZ-RI-306	0	52-68	58	101-108	105	64-73	68	0	M	A	SH	33-43	38
9	NIAW3170(I)(C)	PZ-RI-310	5MR	50-64	54	96-115	102	59-82	69	0	M	A	SH	36-43	40
10	HI8805(d)(I)(C)	PZ-RI-307	0	49-67	58	101-110	106	65-94	80	15	M	A	H	40-45	43

1. Ancillary data from Nashik, Niphad, Parbhani, Pune, Savilivihir, Bailhongal, Dharwad and Bagalkot centres
2. Brown rust data from Dharwad centre only.
3. Lodging data from Pune and Savilivihir centres.