

1941-AVT-IR-TS-TAD-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Gujarat										M.P.							
			Anand			Amreli			Junagadh			SK Nagar			Vijapur			Gwalior		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3377 ^B	CZ-TS-105	62.8	7	0	56.2	8	0	54.6	8	0	54.5	6	0	65.6	8	0	72.8	4	1
2	RAJ4541 ^B	CZ-TS-107	65.9	6	1	53.6	9	0	51.6	10	0	51.0	8	0	68.0	6	0	69.7	8	1
3	TAW155	CZ-TS-101	54.4	10	0	57.1	7	0	53.3	9	0	51.1	7	0	63.0	10	0	75.3	1	1
4	HI1636	CZ-TS-102	67.6	3	1	62.4	3	1	56.6	5	0	57.2	3	0	73.5	2	1	67.8	9	0
5	MP1361	CZ-TS-103	59.8	8	0	69.4	1	1	59.3	2	1	54.6	4	0	72.9	3	1	65.8	10	0
6	MACS6747	CZ-TS-104	67.6	2	1	58.8	5	0	57.0	4	0	47.0	10	0	66.0	7	0	74.4	2	1
7	HI1637	CZ-TS-106	66.9	5	1	60.2	4	0	55.7	7	0	54.6	5	0	70.8	4	1	72.5	5	1
8	GW513	CZ-TS-108	69.8	1	1	68.8	2	1	63.2	1	1	61.7	1	1	74.5	1	1	73.6	3	1
9	GW322 (C)	CZ-TS-109	59.0	9	0	58.3	6	0	58.1	3	0	57.5	2	0	64.5	9	0	71.2	6	1
10	HI1544 (C)	CZ-TS-110	67.5	4	1	50.6	10	0	56.4	6	0	49.7	9	0	69.9	5	0	70.1	7	1
G.M.			64.1			59.5			56.6			53.9			68.9			71.3		
S.E.(M)			2.560			3.120			1.759			1.397			1.785			2.779		
C.D. (10%)			6.2			7.5			4.2			3.4			4.3			6.7		
C.V.			8.0			10.5			6.2			5.2			5.2			7.8		
D.O.S.(dd.mm.yy)			19.11.19			18.11.19			13.11.19			12.11.19			13.11.19			15.11.19		

No. of Trials : Proposed = 22 Conducted = 20
Trials not Conducted (02) = Banswara, Ratlam
Trials not reported (02) = Sagar (LS), Shahdol (HCV,LSM)

1941-AVT-IR-TS-TAD-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	M.P.																	
			Indore			Jabalpur			Powarkheda			Bhopal			KVK-Ujjain			Morena		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3377 ^B	CZ-TS-105	44.6	8	0	56.0	1	1	61.8	10	0	45.7	8	0	47.5	9	0	47.2	7	0
2	RAJ4541 ^B	CZ-TS-107	57.4	1	1	49.6	4	0	65.4	7	0	55.7	1	1	47.6	8	0	60.9	1	1
3	TAW155	CZ-TS-101	38.2	10	0	48.3	6	0	64.0	8	0	51.1	5	1	45.1	10	0	44.9	9	0
4	HI1636	CZ-TS-102	52.8	4	1	48.3	7	0	74.0	1	1	52.4	3	1	60.2	3	0	45.5	8	0
5	MP1361	CZ-TS-103	47.9	6	0	49.9	3	0	73.8	2	1	45.6	9	0	51.6	7	0	51.7	4	0
6	MACS6747	CZ-TS-104	48.6	5	0	47.9	8	0	67.8	5	0	37.8	10	0	59.7	4	0	48.1	5	0
7	HI1637	CZ-TS-106	54.0	3	1	47.1	9	0	69.7	3	0	52.5	2	1	55.2	6	0	56.8	3	1
8	GW513	CZ-TS-108	45.9	7	0	50.6	2	0	69.1	4	0	47.1	7	0	61.8	2	0	48.1	6	0
9	GW322 (C)	CZ-TS-109	38.6	9	0	42.8	10	0	62.0	9	0	50.6	6	1	67.3	1	1	42.6	10	0
10	HI1544 (C)	CZ-TS-110	54.4	2	1	49.4	5	0	66.4	6	0	51.7	4	1	58.9	5	0	59.0	2	1
G.M.			48.2			49.0			67.4			49.0			55.5			50.5		
S.E.(M)			1.994			0.775			0.824			2.268			1.130			2.079		
C.D. (10%)			4.8			1.9			2.0			5.5			2.7			5.0		
C.V.			8.3			3.2			2.4			9.3			4.1			8.2		
D.O.S.(dd.mm.yy)			18.11.19			14.11.19			16.11.19			15.11.19			16.11.19			25.11.19		

1941-AVT-IR-TS-TAD-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	M.P.			Rajasthan						Chhattisgarh								
			Tikamgarh			Kota		Udaipur		Mandor		Bilaspur			IGKV-Raipur					
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G			
1	HD3377 ^B	CZ-TS-105	50.6	10	0	52.4	9	0	64.2	8	0	59.0	8	0	43.1	7	0	32.3	10	0
2	RAJ4541 ^B	CZ-TS-107	63.3	9	0	58.6	5	1	63.1	9	0	57.9	10	0	38.7	9	0	37.8	9	0
3	TAW155	CZ-TS-101	70.0	7	0	56.4	7	1	67.1	4	1	58.3	9	0	57.8	3	1	47.7	3	1
4	HI1636	CZ-TS-102	78.8	4	1	51.6	10	0	72.3	1	1	66.9	2	1	47.7	6	0	48.1	2	1
5	MP1361	CZ-TS-103	80.1	2	1	59.0	3	1	66.8	5	1	59.8	7	0	59.5	2	1	48.6	1	1
6	MACS6747	CZ-TS-104	79.9	3	1	55.2	8	1	66.0	7	0	66.8	3	1	40.8	8	0	44.0	5	0
7	HI1637	CZ-TS-106	71.6	6	0	59.9	2	1	66.7	6	1	62.4	6	0	37.1	10	0	39.4	7	0
8	GW513	CZ-TS-108	77.4	5	0	61.0	1	1	71.1	2	1	66.7	4	1	59.8	1	1	45.1	4	0
9	GW322 (C)	CZ-TS-109	80.4	1	1	57.1	6	1	58.6	10	0	68.4	1	1	56.5	4	1	40.0	6	0
10	HI1544 (C)	CZ-TS-110	69.5	8	0	58.7	4	1	68.5	3	1	63.1	5	0	56.5	4	1	38.2	8	0
G.M.			72.2			57.0			66.5			62.9			49.7			42.1		
S.E.(M)			1.148			3.072			2.530			2.108			2.325			0.507		
C.D. (10%)			2.8			7.4			6.1			5.1			5.6			1.2		
C.V.			3.2			10.8			7.6			6.7			9.4			2.4		
D.O.S.(dd.mm.yy)			13.11.19			19.11.19			11.11.19			20.11.19			11.11.19			17.11.19		

1941-AVT-IR-TS-TAD-CZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Gujarat			M.P.			Rajasthan			Chhattisgarh			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD3377 ^B	CZ-TS-105	58.7	8	0	53.3	10	0	58.5	10	0	37.7	10	0	53.9	10	0
2	RAJ4541 ^B	CZ-TS-107	58.0	9	0	58.7	5	1	59.9	9	0	38.2	9	0	56.4	8	0
3	TAW155	CZ-TS-101	55.8	10	0	54.6	9	0	60.6	8	0	52.8	2	1	55.7	9	0
4	HI1636	CZ-TS-102	63.5	2	0	60.0	1	1	63.6	2	1	47.9	5	0	60.2	2	0
5	MP1361	CZ-TS-103	63.2	3	0	58.3	6	0	61.9	6	0	54.1	1	1	59.8	3	0
6	MACS6747	CZ-TS-104	59.3	6	0	58.0	7	0	62.7	5	0	42.4	7	0	57.4	6	0
7	HI1637	CZ-TS-106	61.6	4	0	59.9	2	1	63.0	4	1	38.3	8	0	58.5	5	0
8	GW513	CZ-TS-108	67.6	1	1	59.2	4	1	66.3	1	1	52.4	3	1	62.0	1	1
9	GW322 (C)	CZ-TS-109	59.5	5	0	56.9	8	0	61.3	7	0	48.3	4	0	57.4	7	0
10	HI1544 (C)	CZ-TS-110	58.8	7	0	59.9	3	1	63.4	3	1	47.3	6	0	58.8	4	0
G.M.			60.6			57.9			62.1			45.9			58.0		
S.E.(M)			0.990			0.625			1.501			1.190			0.483		
C.D. (10%)			2.3			1.5			3.5			2.8			1.1		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: AVT-IR-TS-TAD-CZ, 2019-2020

SN	Variety	Code	Disease		Agronomic Characteristics									Grain Characteristics		
			Br	BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD3377 ^B	CZ-TS-105	0	0	52-101	72	104-139	120	69-106	94	5	M	A	SH	35-51	45
2	RAJ4541 ^B	CZ-TS-107	0	tR	52-92	68	102-136	117	68-106	91	25	M	A	SH	37-55	46
3	TAW155	CZ-TS-101	tR	tMS	59-92	75	111-138	123	69-104	94	30	M	A	SH	29-57	44
4	HI1636	CZ-TS-102	0	0	49-89	66	102-141	116	72-106	94	10	Ey	A	SH	43-60	52
5	MP1361	CZ-TS-103	tMR	10R	57-95	73	106-140	121	79-111	98	40	M	A	SO	36-58	49
6	MACS6747	CZ-TS-104	0	tR	49-98	67	101-137	116	80-115	97	25	Ey	A	SH	41-59	50
7	HI1637	CZ-TS-106	0	0	49-88	65	99-137	115	67-99	87	15	M	A	SH	41-56	48
8	GW513	CZ-TS-108	0	0	52-95	68	103-138	117	74-108	96	30	M	A	SH	36-58	49
9	GW322 (C)	CZ-TS-109	5MR	5MS	52-95	71	107-140	120	73-104	92	50	M	A	SO	29-51	42
10	HI1544 (C)	CZ-TS-110	0	tR	52-98	68	102-141	117	62-102	90	20	M	A	SH	37-55	46

1. Ancillary data from Anand, Amreli, Bilaspur, Bhopal, Indore, Jabalpur, Junagadh, Mandor, Powarkheda, Raipur, Sagar, Shahdol, SK Nagar, Tikamgarh, Ujjain, Udaipur and Vijapur; 2. Black rust data from Vijapur and Brown rust from Junagadh & Vijapur only; 3. Lodging data from Anand, Mandor, Shahdol and Udaipur.

Individual Station Rust Data

SN	Variety	Code	Brown Rust		Black Rust Vijapur
			Junagadh	Vijapur	
1	HD3377 ^B	CZ-TS-105	0	0	0
2	RAJ4541 ^B	CZ-TS-107	0	0	tR
3	TAW155	CZ-TS-101	0	tR	tMS
4	HI1636	CZ-TS-102	0	0	0
5	MP1361	CZ-TS-103	tR	tMR	10R
6	MACS6747	CZ-TS-104	0	0	tR
7	HI1637	CZ-TS-106	0	0	0
8	GW513	CZ-TS-108	0	0	0
9	GW322 (C)	CZ-TS-109	5MR	0	5MS
10	HI1544 (C)	CZ-TS-110	0	0	tR

1942-AVT-IR-LS-TAS-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Gujarat											
			Anand			Bardoli			Junagardh			S.K.Nagar		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	CG1029*	CZ-LS-205	77.0	1	1	35.1	2	1	56.5	1	1	51.9	1	1
2	HI1634*Q	CZ-LS-201	68.1	4	1	34.2	4	1	53.8	2	1	41.7	5	0
3	HD2932 (C)	CZ-LS-202	73.9	2	1	35.2	1	1	51.8	3	1	45.1	3	0
4	MP3336 (C)	CZ-LS-203	66.9	5	0	35.1	3	1	47.5	5	0	44.3	4	0
5	HD2864 (C)	CZ-LS-204	70.7	3	1	34.0	5	1	49.1	4	0	49.4	2	1
G.M.			71.3			34.7			51.7			46.5		
S.E.(M)			3.109			0.670			1.824			1.790		
C.D. (10%)			9.6			2.1			5.6			5.5		
C.V.			8.7			3.9			7.1			7.7		
D.O.S.(dd.mm.yy)			09.12.19			14.12.19			08.12.19			11.12.19		

No. of Trials : Proposed =18 Conducted = 17
 Trials not Conducted (01) : Banswara
 Trials not reported (01) = Sagar (LS)

1942-AVT-IR-LS-TAS-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	M.P.												Rajasthan					
			Gwalior			Jabalpur			Powarkheda			Indore			Udaipur			Mandor		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	CG1029*	CZ-LS-205	68.5	4	1	39.4	3	0	52.0	1	1	54.6	4	0	67.9	3	1	60.9	5	0
2	HI1634*Q	CZ-LS-201	70.6	3	1	36.3	4	0	51.5	2	1	62.6	1	1	66.2	4	1	61.4	4	0
3	HD2932 (C)	CZ-LS-202	71.6	2	1	40.9	1	1	49.0	4	1	55.3	3	0	54.2	5	0	65.7	3	1
4	MP3336 (C)	CZ-LS-203	71.7	1	1	34.2	5	0	46.3	5	0	57.0	2	1	72.7	1	1	69.0	1	1
5	HD2864 (C)	CZ-LS-204	66.8	5	1	40.8	2	1	49.8	3	1	52.8	5	0	70.3	2	1	67.1	2	1
G.M.			69.9			38.4			49.7			56.4			66.3			64.8		
S.E.(M)			3.816			0.472			1.277			1.829			2.500			1.691		
C.D. (10%)			11.8			1.5			3.9			5.6			7.7			5.2		
C.V.			10.9			2.5			5.1			6.5			7.5			5.2		
D.O.S.(dd.mm.vy)			07.12.19			10.12.19			10.12.19			07.12.19			06.12.19			05.12.19		

1942-AVT-IR-LS-TAS-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

LOCAL HYBRID SEEDS (q/ha)														
SN	Variety	Code	Chhattisgarh											
			Bilaspur			Jagdalpur			Ambikapur			IGKV-Raipur		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	CG1029*	CZ-LS-205	45.5	1	1	32.6	5	0	45.9	1	1	56.3	1	1
2	HI1634*Q	CZ-LS-201	40.0	3	1	38.5	3	1	41.6	4	1	53.9	3	0
3	HD2932 (C)	CZ-LS-202	42.0	2	1	41.0	2	1	43.1	2	1	49.3	4	0
4	MP3336 (C)	CZ-LS-203	32.3	5	0	37.6	4	1	40.8	5	0	47.2	5	0
5	HD2864 (C)	CZ-LS-204	38.8	4	0	44.1	1	1	41.8	3	1	55.7	2	1
G.M.			39.7			38.8			42.6			52.5		
S.E.(M)			1.826			3.358			1.570			0.611		
C.D. (10%)			5.6			10.3			4.8			1.9		
C.V.			9.2			17.3			7.4			2.3		
D.O.S.(dd.mm.yy)			08.12.19			12.12.19			04.12.19			07.12.19		

1942-AVT-IR-LS-TAS-CZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Gujarat			M.P.			Rajasthan			Chhattisgarh			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	CG1029*	CZ-LS-205	57.9	1	1	53.6	3	1	64.4	3	0	45.1	2	1	54.5	1	1
2	HI1634*Q	CZ-LS-201	53.8	4	0	55.3	1	1	63.8	4	0	43.5	4	1	52.8	3	0
3	HD2932 (C)	CZ-LS-202	53.9	3	0	54.2	2	1	60.0	5	0	43.8	3	1	52.2	4	0
4	MP3336 (C)	CZ-LS-203	51.7	5	0	52.3	5	0	70.8	1	1	39.5	5	0	51.2	5	0
5	HD2864 (C)	CZ-LS-204	54.0	2	0	52.6	4	0	68.7	2	1	45.1	1	1	53.3	2	0
G.M.			54.3			53.6			65.6			43.4			52.8		
S.E.(M)			0.717			1.111			1.509			1.044			0.503		
C.D. (10%)			1.7			2.6			3.7			2.5			1.2		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: AVT-IR-LS-TAS-CZ, 2019-2020

SN	Variety	Code	Rust Reactions		Agronomic Characteristics								Grain Characteristics			
			BI	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	CG1029*	CZ-LS-205	10MR	tR	50-81	63	88-128	110	63-101	90	30	M	A	SH	39-57	47
2	HI1634 ^Q	CZ-LS-201	tR	0	52-81	63	90-127	107	62-99	85	10	M	A	SH	33-47	40
3	HD2932(C)	CZ-LS-202	tMS	20S	51-81	65	89-129	110	60-103	87	0	M	A	SH	35-50	41
4	MP3336(C)	CZ-LS-203	10MR	tR	47-76	60	90-125	108	66-97	80	0	M	A	SH	36-47	41
5	HD2864(C)	CZ-LS-204	10R	0	47-81	61	89-127	109	64-97	84	0	Ey	A	SH	34-46	40

1. Ancillary data from Anand, Ambikapur, Bilaspur, Bardoli, Indore, Junagadh, Jabalpur, Jagdalpur, Mandor, Powarkheda, Raipur, Sagar, S K Nagar, Sanosara, Udaipur & Vijapur centres.
2. Black rust reported from Vijapur and Brown rust reported from Junagadh & Vijapur only.
3. Lodging data from Jabalpur and Powarkheda.

Individual Station Rust Data

SN	Variety	Code	Brown Rust		Black Rust
			Junagadh	Vijapur	Vijapur
1	CG1029*	CZ-LS-205	0	tR	10MR
2	HI1634 ^Q	CZ-LS-201	0	0	tR
3	HD2932 (C)	CZ-LS-202	20S	tR	tMS
4	MP3336 (C)	CZ-LS-203	tR	tR	10MR
5	HD2864 (C)	CZ-LS-204	0	0	10R

1943-AVT-RI-TS-TAD-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Gujarat												M.P		
			Vijapur			Dhandhuka			Amreli			Sanosara			Indore		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MPO1357(d)	CZ-RI-301	34.9	4	0	30.6	4	0	45.1	2	1	35.9	8	0	38.8	1	1
2	UAS472(d)	CZ-RI-304	28.7	8	0	34.9	2	1	44.8	5	1	39.8	4	0	37.2	2	1
3	HI8823(d)	CZ-RI-307	38.5	3	0	36.0	1	1	44.9	3	1	41.9	3	0	37.0	3	1
4	DBW110 (C)	CZ-RI-305	43.2	1	1	25.2	8	0	45.9	1	1	44.5	2	1	34.8	7	0
5	MP3288 (C)	CZ-RI-306	43.1	2	1	29.0	7	0	40.1	8	0	45.5	1	1	37.0	4	1
6	HI8627(d) (C)	CZ-RI-302	30.2	7	0	30.7	3	0	42.1	7	1	37.7	7	0	32.6	8	0
7	UAS466(d)(I)(C)	CZ-RI-303	32.2	5	0	29.7	5	0	43.5	6	1	37.9	6	0	34.9	6	0
8	DDW47(d)(I)(C)	CZ-RI-308	31.4	6	0	29.3	6	0	44.8	4	1	38.3	5	0	35.6	5	0
G.M.			35.3			30.7			43.9			40.2			36.0		
S.E.(M)			1.685			0.709			2.272			1.297			1.262		
C.D. (10%)			4.1			1.7			5.5			3.2			3.1		
C.V.			9.6			4.6			10.3			6.5			7.0		
D.O.S.(dd.mm.yy)			07.11.19			18.11.19			25.10.19			08.11.19			06.11.19		

No. of Trials : Proposed = 16 Conducted = 15
Trials not Conducted (01) : Banswara
Trial not reported (02) = Sagar (RMT), Junagadh (LSM)

1943-AVT-RI-TS-TAD-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	M.P												Rajasthan		
			Jabalpur			Bhopal			Powarkheda			Gwalior			Pratapgarh		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MPO1357(d)	CZ-RI-301	51.8	5	0	47.4	2	1	33.5	7	0	51.5	7	0	33.5	5	0
2	UAS472(d)	CZ-RI-304	50.3	8	0	51.0	1	1	39.9	2	1	59.7	5	1	35.8	3	1
3	HI8823(d)	CZ-RI-307	54.8	2	0	40.8	8	0	38.8	5	1	65.6	1	1	38.5	1	1
4	DBW110 (C)	CZ-RI-305	58.7	1	1	42.0	7	0	35.8	6	0	62.1	2	1	32.3	6	0
5	MP3288 (C)	CZ-RI-306	52.2	3	0	44.1	5	0	39.7	3	1	57.2	6	1	34.0	4	0
6	HI8627(d) (C)	CZ-RI-302	51.6	6	0	43.7	6	0	40.0	1	1	61.7	4	1	36.8	2	1
7	UAS466(d)(I)(C)	CZ-RI-303	52.2	4	0	45.4	3	0	30.3	8	0	61.9	3	1	31.5	7	0
8	DDW47(d)(I)(C)	CZ-RI-308	51.5	7	0	45.2	4	0	38.8	4	1	51.4	8	0	30.3	8	0
G.M.			52.9			44.9			37.1			58.9			34.1		
S.E.(M)			0.968			2.191			0.818			3.804			1.569		
C.D. (10%)			2.4			5.3			2.0			9.3			3.8		
C.V.			3.7			9.8			4.4			12.9			9.2		
D.O.S.(dd.mm.yy)			08.11.19			10.11.19			05.11.19			10.11.19			10.11.19		

1943-AVT-RI-TS-TAD-CZ, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Rajasthan			Chhattisgarh			Chhattisgarh		
			Udaipur			Bilaspur			IGKV-Ambikapur		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MPO1357(d)	CZ-RI-301	45.8	3	1	37.3	7	0	25.7	8	0
2	UAS472(d)	CZ-RI-304	46.3	1	1	44.5	2	1	27.1	7	0
3	HI8823(d)	CZ-RI-307	44.7	4	1	46.3	1	1	27.8	6	0
4	DBW110 (C)	CZ-RI-305	37.5	8	0	34.8	8	0	45.0	1	1
5	MP3288 (C)	CZ-RI-306	41.1	7	0	40.9	6	0	38.6	2	0
6	HI8627(d) (C)	CZ-RI-302	44.7	6	1	44.0	3	1	29.9	5	0
7	UAS466(d)(I)(C)	CZ-RI-303	46.2	2	1	41.3	5	0	31.7	4	0
8	DDW47(d)(I)(C)	CZ-RI-308	44.7	5	1	42.3	4	1	37.5	3	0
G.M.			43.9			41.4			32.9		
S.E.(M)			2.115			1.695			1.925		
C.D. (10%)			5.1			4.1			4.7		
C.V.			9.6			8.2			11.7		
D.O.S.(dd.mm.yy)			05.11.19			05.11.19			04.11.19		

1943-AVT-RI-TS-TAD-CZ, 2019-20
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Gujarat			M.P.			Rajasthan			Chhattisgarh			ZONAL		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	MPO1357(d)	CZ-RI-301	36.6	5	0	44.6	7	0	39.7	4	1	31.5	8	0	39.4	8	0
2	UAS472(d)	CZ-RI-304	37.0	4	0	47.6	1	1	41.0	2	1	35.8	7	0	41.5	4	1
3	HI8823(d)	CZ-RI-307	40.3	1	1	47.4	2	1	41.6	1	1	37.0	4	1	42.7	1	1
4	DBW110 (C)	CZ-RI-305	39.7	2	1	46.7	3	1	34.9	8	0	39.9	2	1	41.7	3	1
5	MP3288 (C)	CZ-RI-306	39.4	3	1	46.0	4	1	37.6	6	0	39.7	3	1	41.7	2	1
6	HI8627(d) (C)	CZ-RI-302	35.1	8	0	45.9	5	1	40.7	3	1	36.9	5	1	40.4	5	0
7	UAS466(d)(I)(C)	CZ-RI-303	35.8	7	0	44.9	6	0	38.8	5	1	36.5	6	0	39.9	7	0
8	DDW47(d)(I)(C)	CZ-RI-308	36.0	6	0	44.5	8	0	37.5	7	0	39.9	1	1	40.1	6	0
G.M.			37.5			45.9			39.0			37.2			40.9		
S.E.(M)			0.798			0.948			1.317			1.283			0.523		
C.D. (10%)			1.9			2.2			3.1			3.1			1.2		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: AVT-RI-TS-TAD-CZ, 2019-2020

SN	Variety	Code	Disease Reaction	Agronomic Characteristics							Grain Characteristics			
			Black Rust	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex	TGW.R	TGW.M
1	MPO1357 (d)	CZ-RI-301	0	70-97	75	104-137	122	65-100	84	Ey	A	H	33-56	46
2	UAS472 (d)	CZ-RI-304	0	69-99	76	107-136	121	60-96	86	Ey	A	SH	32-59	46
3	HI 8823 (d)	CZ-RI-307	0	71-98	76	105-137	122	63-98	83	M	A	SH	38-57	47
4	DBW110 (C)	CZ-RI-305	MR	56-99	70	100-138	118	64-100	86	Ey	A	SH	33-52	46
5	MP3288 (C)	CZ-RI-306	0	50-98	68	100-137	116	66-103	89	Ey	A	SH	34-48	42
6	HI8627(d) (C)	CZ-RI-302	0	72-99	77	107-138	124	64-102	89	M	A	H	32-58	46
7	UAS466(d)(I)(C)	CZ-RI-303	0	59-99	73	105-138	121	64-98	82	M	A	SH	28-52	42
8	DDW47(d)(I)(C)	CZ-RI-308	0	57-105	73	106-137	120	68-98	87	M	A	H	33-50	42

1. Ancillary data from Ambikapur, Amreli, Bilaspur, Bhopal, Dhandhuka, Gwalior, Indore, Jabalpur, Junagadh, Powarkheda, Pratapgarh, Sanosara Udaipur and Vijapur.
2. Black rust data from Vijapur only.