

**1551-AVT-IR-TS-TAD-CZ, 2015-16**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Rajasthan						MP					
			Kota		Udaipur		Banswara		Rewa		Bhopal			
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G		
1.	HI 8759 (d)*	CZ-TS-105	50.9	2 1	63.4	2 1	66.1	6 0	59.4	2 1	38.7	6 0		
2.	HI 8774 (d)	CZ-TS-103	44.9	6 0	47.7	6 0	55.3	7 0	55.8	4 1	42.9	3 1		
3.	PDW 344 (d)	CZ-TS-107	28.8	7 0	49.7	5 0	70.3	4 1	34.6	7 0	42.2	4 1		
4.	HI 8498 (d)(C)	CZ-TS-101	46.5	4 0	51.4	3 0	70.8	3 1	51.3	6 0	43.6	1 1		
5.	HI 8737 (d)(C)	CZ-TS-104	50.7	3 1	44.1	7 0	71.8	2 1	61.9	1 1	39.2	5 0		
6.	MPO 1215 (d)(C)	CZ-TS-106	54.2	1 1	51.0	4 0	69.0	5 1	51.8	5 0	43.6	2 1		
7.	HD 4728 (d)(I)(C)	CZ-TS-102	46.4	5 0	68.8	1 1	72.8	1 1	56.1	3 1	37.4	7 0		
G.M.			46.1		53.7		68.0		53.0		41.1			
S.E.(M)			2.042		2.857		1.287		3.008		1.478			
C.D.			6.1		8.5		3.8		8.9		N.S.			
C.V.			8.9		10.6		3.8		11.4		7.2			
D.O.S. (d.m.y.)			23.11.2015		19.11.2015		25.11.2015		22.11.2015		16.11.2015			

Trials proposed & conducted = 17

Trials not reported (3) = Gwalior (TF), Anand (RMT) & Bilaspur (RMT)

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**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	MP											
			Sagar			Indore			Jabalpur			Powarkheda		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1.	HI 8759 (d)*	CZ-TS-105	53.3	3 1	61.1	3 1	60.3	1 1	75.5	1 1				
2.	HI 8774 (d)	CZ-TS-103	47.0	6 1	60.0	4 1	58.8	2 1	73.5	2 1				
3.	PDW 344 (d)	CZ-TS-107	40.0	7 0	39.5	7 0	45.2	7 0	55.1	7 0				
4.	HI 8498 (d)(C)	CZ-TS-101	49.3	5 1	53.5	6 0	53.7	3 0	55.2	6 0				
5.	HI 8737 (d)(C)	CZ-TS-104	53.5	2 1	61.9	2 1	53.5	4 0	66.3	4 0				
6.	MPO 1215 (d)(C)	CZ-TS-106	50.6	4 1	62.4	1 1	49.9	6 0	60.5	5 0				
7.	HD 4728 (d)(I)(C)	CZ-TS-102	53.9	1 1	59.7	5 1	50.2	5 0	70.8	3 0				
G.M.			49.6		56.9		53.1		65.3					
S.E.(M)			2.314		2.585		0.869		0.689					
C.D.			6.9		7.7		2.6		2.0					
C.V.			9.3		9.1		3.3		2.1					
D.O.S. (d.m.y.)			20.11.2015		14.11.2015		15.11.2015		19.11.2015					

**1551-AVT-IR-TS-TAD-CZ, 2015-16**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Gujarat									
			Vijapur		Sanosara		Junagadh		SK Nagar		Amreli	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	HI 8759 (d)*	CZ-TS-105	59.7	1 1	62.4	2 1	47.8	1 1	55.0	3 1	46.0	3 1
2.	HI 8774 (d)	CZ-TS-103	59.2	3 1	63.9	1 1	46.5	3 1	51.5	4 1	51.6	2 1
3.	PDW 344 (d)	CZ-TS-107	40.6	7 0	37.2	7 0	37.0	7 0	46.0	7 0	39.8	7 0
4.	HI 8498 (d)(C)	CZ-TS-101	46.9	6 0	50.4	6 0	40.5	6 0	49.8	5 0	41.7	6 0
5.	HI 8737 (d)(C)	CZ-TS-104	56.9	4 1	60.9	4 1	44.8	4 1	55.0	2 1	43.5	5 1
6.	MPO 1215 (d)(C)	CZ-TS-106	55.5	5 1	61.9	3 1	47.7	2 1	60.7	1 1	52.0	1 1
7.	HD 4728 (d)(I)(C)	CZ-TS-102	59.4	2 1	60.3	5 1	44.0	5 0	47.9	6 0	44.8	4 1
G.M.			54.0		56.7		44.0		52.3		45.6	
S.E.(M)			2.388		1.377		1.011		3.638		2.961	
C.D.			7.1		4.1		3.0		N.S.		N.S.	
C.V.			8.8		4.9		4.6		13.9		11.2	
D.O.S. (d.m.y.)			18.11.2015		19.11.2015		19.11.2015		14.11.2015		20.11.2015	

**AVT-IR-TS-TAD-CZ, 2015-16**  
**State and Zonal Mean Yield (q/ha)**

SN	Variety	Code	Rajasthan		MP		Gujarat		Zonal	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1.	HI 8759 (d)*	CZ-TS-105	60.1	2 1	58.0	1 1	54.2	3 1	57.1	1 1
2.	HI 8774 (d)	CZ-TS-103	49.3	7 0	56.3	2 1	54.6	2 1	54.2	5 0
3.	PDW 344 (d)	CZ-TS-107	49.6	6 0	42.7	7 0	40.1	7 0	43.3	7 0
4.	HI 8498 (d)(C)	CZ-TS-101	56.2	4 0	51.1	6 0	45.8	6 0	50.3	6 0
5.	HI 8737 (d)(C)	CZ-TS-104	55.5	5 0	56.0	3 1	52.2	4 0	54.6	4 0
6.	MPO 1215 (d)(C)	CZ-TS-106	58.1	3 0	53.1	5 0	55.6	1 1	55.1	3 0
7.	HD 4728 (d)(I)(C)	CZ-TS-102	62.6	1 1	54.7	4 0	51.3	5 0	55.2	2 0
G.M.			55.9		53.1		50.5		52.8	
C.D.			3.5		2.3		3.1		1.6	

## Central Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-IR-TS-TAD-CZ, 2015-16

SN	Variety	Code	Rust Reactions		Agronomic Characteristics								Grain Characteristics			
			BI	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	HI 8759(d)*	CZ-TS-105	0	0	58-82	73	103-129	118	79-105	91	10	M	A	SH-H	35-60	53
2.	HI 8774(d)	CZ-TS-103	tS	0	57-85	71	105-126	117	76-104	90	10	M	A	H	38-59	53
3.	PDW 344 (d)	CZ-TS-107	0	0	64-82	74	106-131	119	79-100	90	5	M	A	SH-H	38-59	50
4.	HI 8498(d)(C)	CZ-TS-101	0	0	69-86	78	103-134	121	79-105	90	10	M	A	H	34-60	49
5.	HI 8737(d) (C)	CZ-TS-104	tMR	tMR	58-87	73	100-131	119	75-101	88	10	M	A	H	34-60	52
6.	MPO 1215(d)(C)	CZ-TS-106	0	0	58-85	72	103-130	117	78-102	88	10	M	A	H	33-62	51
7.	HD 4728(d)(l)(C)	CZ-TS-102	0	0	58-86	72	105-130	117	78-100	89	10	M	A	H	38-59	52

1. Ancillary data from Bhopal, Indore, Powarkheda, Jabalpur, Sagar, Rewa, Amreli, Junagadh, Sanosara, SK Nagar, Vijapur, Banswara, Kota and Udaipur centres.
2. Black rust reactions from Junagadh and Vijapur centres and Brown rust reaction from Junagadh only.
3. Lodging data from Powarkheda, Jabalpur, Rewa, Banswara and Junagarh centres.

### Individual Station Rust Data

SN	Variety	Code	Junagadh		Vijapur
			Br	BI	BI
1.	HI 8759(d)*	CZ-TS-105	0	0	0
2.	HI 8774(d)	CZ-TS-103	0	0	tS
3.	PDW 344(d)	CZ-TS-107	0	0	0
4.	HI 8498(d)(C)	CZ-TS-101	0	0	0
5.	HI 8737(d)(C)	CZ-TS-104	tMR	tMR	0
6.	MPO 1215(d)(C)	CZ-TS-106	0	0	0
7.	HD 4728(d)(l)(C)	CZ-TS-102	0	0	0