

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

SN	variety	Code	Rajasthan				MP									
			Kota		Udaipur		Gwalior		Bhopal		Sagar		Indore		Jabalpur	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD 4730 (d)*	CZ-TS-06	66.2	2 1	55.4	4 1	62.6	1 1	57.2	1 1	53.3	5 0	51.9	2 0	59.6	5 0
2	HD 4728 (d)*	CZ-TS-08	65.7	3 1	57.7	2 1	59.8	2 1	51.9	4 1	54.5	3 1	49.5	6 0	62.5	2 1
3	GW 463	CZ-TS-05	67.0	1 1	57.3	3 1	58.6	3 1	54.9	3 1	50.0	9 0	49.2	7 0	55.8	9 0
4	HI 8759 (d)	CZ-TS-04	63.7	6 1	62.0	1 1	58.3	5 1	50.3	7 0	52.0	6 0	57.1	1 1	55.9	8 0
5	MPO 1215 (d)(C)	CZ-TS-01	54.2	9 0	52.3	7 1	43.2	9 0	47.6	9 0	57.0	1 1	47.1	9 0	56.6	7 0
6	HI 8498 (d)(C)	CZ-TS-02	56.4	8 0	51.4	8 1	47.1	8 0	49.3	8 0	54.8	2 1	51.8	3 0	59.6	4 0
7	HI 1544 (C)	CZ-TS-07	64.9	4 1	53.1	6 1	52.2	7 0	50.3	6 0	51.5	7 0	51.4	4 0	66.1	1 1
8	GW 322 (C)	CZ-TS-09	62.2	7 1	53.3	5 1	54.2	6 1	55.0	2 1	51.4	8 0	50.3	5 0	57.1	6 0
9	HI 8737 (d)(l)(C)	CZ-TS-03	64.1	5 1	49.5	9 0	58.6	4 1	50.8	5 0	54.0	4 1	48.2	8 0	60.3	3 0
G.M.			62.7		54.7		54.9		51.9		53.2		50.7		59.3	
S.E.(M)			2.052		3.725		2.997		1.799		1.237		1.516		1.751	
C.D.			6.0		10.9		8.7		5.3		3.6		4.4		5.1	
C.V.			6.5		13.6		10.9		6.9		4.7		6.0		5.9	
D.O.S. (d.m.y)			15.11.2014		12.11.2014		13.11.2014		17.11.2014		23.11.2014		19.11.2014		15.11.2014	

Trials proposed & conducted = 19

Trials not reported (5) = Raipur (RMT), Banswara (ES), Rewa (HCV), Bardoli (LSM), Junagarh (LS)

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

SN	Variety	Code	MP		Gujarat						Chhattisgarh					
			Powarkheda		Vijapur		Anand		Sanosara		Amreli		SK Nagar		Bilaspur	
			Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G	Yield	Rk G
1	HD 4730 (d)*	CZ-TS-06	63.7	5 0	58.9	6 1	38.1	7 0	52.1	4 1	54.4	5 1	51.3	6 0	37.1	7 0
2	HD 4728 (d)*	CZ-TS-08	60.6	7 0	63.3	1 1	43.4	4 0	52.6	3 1	54.9	4 1	48.6	7 0	36.1	9 0
3	GW 463	CZ-TS-05	51.9	9 0	53.7	9 0	48.2	3 1	45.6	8 0	56.6	3 1	61.0	2 1	39.9	3 0
4	HI 8759 (d)	CZ-TS-04	66.1	2 1	59.5	5 1	43.1	5 0	57.3	1 1	57.0	2 1	58.8	3 1	36.5	8 0
5	MPO 1215(d)(C)	CZ-TS-01	68.0	1 1	56.0	8 0	32.4	9 0	47.7	6 0	50.9	6 0	44.1	9 0	38.8	5 0
6	HI 8498(d) (C)	CZ-TS-02	53.3	8 0	57.7	7 1	37.7	8 0	43.9	9 0	50.1	8 0	48.3	8 0	39.5	4 0
7	HI 1544 (C)	CZ-TS-07	61.1	6 0	63.0	2 1	52.6	1 1	53.4	2 1	48.0	9 0	53.1	5 0	45.2	1 1
8	GW 322 (C)	CZ-TS-09	65.1	4 0	61.5	3 1	50.5	2 1	47.7	6 0	57.0	1 1	64.8	1 1	40.0	2 0
9	HI 8737 (d)(l)(C)	CZ-TS-03	66.1	2 1	61.4	4 1	41.7	6 0	51.3	5 1	50.4	7 0	54.0	4 0	37.5	6 0
G.M.			61.8		59.4		43.1		50.2		53.2		53.8		38.9	
S.E.(M)			0.885		2.379		1.957		2.125		1.937		3.517		1.705	
C.D.			2.6		6.9		5.7		6.2		5.7		10.3		5.0	
C.V.			2.9		8.0		9.1		8.5		7.3		13.1		8.8	
D.O.S. (d.m.y)			19.11.2014		17.11.2014		20.11.2014		21.11.2014		11.11.2014		14.11.2014		12.11.2014	

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

SN	Variety	Code	Rajasthan			MP			Gujarat			Chhattisgarh			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HD 4730 (d)*	CZ-TS-06	60.8	4	1	58.0	1	1	51.0	7	0	37.1	7	0	54.4	4	1
2	HD 4728 (d)*	CZ-TS-08	61.7	3	1	56.5	3	1	52.5	5	0	36.1	9	0	54.4	5	1
3	GW 463	CZ-TS-05	62.1	2	1	53.4	7	0	53.0	4	0	39.9	3	0	53.5	6	0
4	HI 8759 (d)	CZ-TS-04	62.9	1	1	56.6	2	1	55.1	2	1	36.5	8	0	55.5	1	1
5	MPO 1215(d)(C)	CZ-TS-01	53.2	9	0	53.2	8	0	46.2	9	0	38.8	5	0	49.7	9	0
6	HI 8498 (d)(C)	CZ-TS-02	53.9	8	0	52.7	9	0	47.5	8	0	39.5	4	0	50.1	8	0
7	HI 1544 (C)	CZ-TS-07	59.0	5	1	55.4	6	0	54.0	3	1	45.2	1	1	54.7	3	1
8	GW 322 (C)	CZ-TS-09	57.7	6	1	55.5	5	0	56.3	1	1	40.0	2	0	55.0	2	1
9	HI 8737 (d)(l)(C)	CZ-TS-03	56.8	7	0	56.3	4	1	51.7	6	0	37.5	6	0	53.4	7	0
G.M.			58.7			55.3			51.9			38.9			53.4		
C.D.			6.05			2.08			3.08			5.0			1.67		

## Central Zone

### Summary of Disease Data and Agronomic Characteristics

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

SN	Variety	Code	Disease Reaction		Agronomic Characteristics								Grain Characteristics			
			Br	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HD 4730* (d)	CZ-TS-06	0	0	60-106	76	97-137	118	74-104	91	15	Ey-M	A	H	31-58	46
2	HD 4728* (d)	CZ-TS-08	tR	0	57-108	75	97-138	118	67-108	90	15	Ey-M	A	H	33-61	49
3	GW 463	CZ-TS-05	0	0	59-109	80	100-141	121	73-106	91	10	M	A	SH	28-51	41
4	HI 8759 (d)	CZ-TS-04	0	0	63-106	77	101-135	119	73-103	84	0	Ey-M	A	SH-H	31-58	46
5	MPO 1215(d) (C)	CZ-TS-01	0	2.0	58-108	76	97-136	119	71-101	87	10	Ey-M	A	H	28-58	47
6	HI 8498(d) (C)	CZ-TS-02	0	2.0	60-106	74	100-136	117	73-99	84	20	M	A	SH-H	29-60	49
7	HI 1544 (C)	CZ-TS-07	5MR	0	50-99	70	90-134	115	70-101	89	5	Ey-M	A	SH-H	28-50	42
8	GW 322 (C)	CZ-TS-09	tR	0	57-103	75	90-131	117	76-102	91	15	Ey-M	A	SH	29-47	40
9	HI 8737(d)(l)(C)	CZ-TS-03	tMR	0	57-106	74	95-134	117	74-101	87	15	Ey-M	A	H	31-58	48

1. Ancillary data from Bhopal, Gwalior, Indore, Jabalpur, Powarkheda, Rewa, Sagar, Bilaspur, Anand, Amreli, Bardoli, Junagarh, Sanosara, SK Nagar, Vijapur, Kota and Udaipur centres
2. Brown rust reactions from Junagadh and Vijapur centres. Black point data from Bhopal
3. Lodging data from Bhopal, Bilaspur, Jabalpur, Powarkheda and Udaipur centres

### Individual Station Rust Data

SN	Variety	Code	Junagarh	Vijapur
			Br	Br
1	HD 4730* (d)	CZ-TS-06	0	0
2	HD 4728* (d)	CZ-TS-08	tR	0
3	GW 463	CZ-TS-05	0	0
4	HI 8759 (d)	CZ-TS-04	0	0
5	MPO 1215(d) (C)	CZ-TS-01	0	0
6	HI 8498(d) (C)	CZ-TS-02	0	0
7	HI 1544 (C)	CZ-TS-07	5MR	0
8	GW 322 (C)	CZ-TS-09	tR	0
9	HI 8737(d)(l)(C)	CZ-TS-03	tMR	tR

**AVT-IR-LS-TAS-CZ, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Rajasthan	MP				Gujarat		
			Udaipur	Indore	Jabalpur	Powarkheda	Anand	Sanosara	Vijapur	
			Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	
1	CG 1015	CZ-LS-01	44.6 5 0	39.4 5 0	52.5 1 1	42.2 1 1	52.0 3 1	35.8 5 0	31.6 4 0	
2	MP 3336 (C)	CZ-LS-02	45.8 4 0	48.2 2 1	36.4 5 0	40.9 3 1	56.6 1 1	45.0 2 1	32.8 3 0	
3	HD 2932 (C)	CZ-LS-03	59.1 2 1	50.9 1 1	40.3 3 0	37.4 5 0	56.6 2 1	45.6 1 1	36.1 2 1	
4	MP 4010 (C)	CZ-LS-04	61.7 1 1	46.8 3 1	39.4 4 0	39.3 4 0	49.5 4 0	43.4 3 1	25.3 5 0	
5	HD 2864 (C)	CZ-LS-05	51.8 3 0	45.4 4 0	50.0 2 1	41.4 2 1	47.9 5 0	41.8 4 0	39.6 1 1	
G.M.			52.6	46.1	43.7	40.2	52.5	42.3	33.1	
S.E.(M)			2.072	1.488	1.138	0.473	2.135	1.114	1.262	
C.D.			6.4	4.6	3.5	1.5	6.6	3.4	3.9	
C.V.			7.9	6.5	5.2	2.4	8.1	5.3	7.6	
D.O.S. (d.m.y)			6.12.2014	7.12.2014	9.12.2014	11.12.2014	10.12.2014	12.12.2014	10.12.2014	

Trials proposed & conducted = 17

Trials not reported (4) = Kota (RMT), Gwalior (RMT), Banswara (UY), Rewa (HCV)

**AVT-IR-LS-TAS-CZ, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Gujarat			Chhattisgarh		
			Bardoli	SK Nagar	Junagarh	Bilaspur	Jagdalpur	Ambikapur
			Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G
1	CG 1015	CZ-LS-01	25.5 4 0	49.3 5 1	35.3 2 1	43.0 1 1	40.6 1 1	40.3 1 1
2	MP 3336 (C)	CZ-LS-02	25.4 5 0	56.6 1 1	34.3 4 1	35.3 4 0	38.4 2 1	28.3 5 0
3	HD 2932 (C)	CZ-LS-03	28.5 2 1	53.6 2 1	37.7 1 1	38.4 3 1	37.1 4 1	37.2 2 1
4	MP 4010 (C)	CZ-LS-04	28.4 3 1	49.8 4 1	32.2 5 0	35.3 4 0	34.3 5 0	36.7 3 1
5	HD 2864 (C)	CZ-LS-05	31.7 1 1	53.6 2 1	34.7 3 1	38.5 2 1	37.8 3 1	32.8 4 0
G.M.			27.9	52.6	34.8	38.1	37.7	35.1
S.E.(M)			1.215	2.589	1.344	2.116	1.222	1.494
C.D.			3.7	8.0	4.1	6.5	3.8	4.6
C.V.			8.7	9.8	7.7	11.1	6.5	8.5
D.O.S. (d.m.y)			8.12.2014	5.12.2014	11.12.2014	10.12.2014	10.12.2014	6.12.2014

**AVT-IR-LS-TAS-CZ, 2014-15**  
**State and Zonal Mean Yield (q/ha)**

SN	Variety	Code	Rajasthan	MP	Gujarat	Chhattisgarh	Zonal
			Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G	Yield Rk G
1	CG 1015	CZ-LS-01	44.6 5 0	44.7 2 1	38.3 4 0	41.3 1 1	40.9 3 0
2	MP 3336 (C)	CZ-LS-02	45.8 4 0	41.8 5 0	41.8 2 1	34.0 5 0	40.3 4 0
3	HD 2932 (C)	CZ-LS-03	59.1 2 1	42.8 3 0	43.0 1 1	37.6 2 0	43.0 1 1
4	MP 4010 (C)	CZ-LS-04	61.7 1 1	41.8 4 0	38.1 5 0	35.4 4 0	40.2 5 0
5	HD 2864 (C)	CZ-LS-05	51.8 3 0	45.6 1 1	41.5 3 1	36.4 3 0	42.1 2 1
G.M.			52.6	43.4	40.5	36.9	41.3
C.D.			6.4	1.85	1.96	2.74	1.24

## Central Zone

### Summary of Disease Data and Agronomic Characteristics

Trial: AVT-IR-LS-TAS-CZ, 2014-15

SN	Variety	Code	Disease Reaction			Agronomic Characteristics								Grain Characteristics			
			BI	Br	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lodg	Thr.	Col.	Tex.	TGW.R	TGW.M
1	CG 1015	CZ-LS-01	tS	tR	0	49-75	62	86-115	100	75-103	92	10	Ey	A	SH	31-47	38
2	MP 3336 (C)	CZ-LS-02	0	tR	0	49-76	60	85-115	101	63-103	80	20	Ey	A	SH	31-49	40
3	HD 2932 (C)	CZ-LS-03	tS	tR	2	50-79	65	91-119	104	72-102	88	25	Ey	A	SH	33-50	40
4	MP 4010 (C)	CZ-LS-04	0	0	1	49-77	62	82-113	100	62-113	85	10	Ey	A	SH	31-50	42
5	HD 2864 (C)	CZ-LS-05	0	0	0	49-75	61	84-116	102	75-99	87	30	Ey	A	SH	31-49	39

- Ancillary data from Indore, Jabalpur, Powarkheda, Ambikapur, Bilaspur, Jagdalpur, Anand, Bardoli, Junagarh, SK Nagar, Sanosara, Vijapur and Udaipur centres
- Lodging data from Indore, Powarkheda and Udaipur centres
- Black and brown rust reactions from Vijapur and Junagarh centres. Black point from Indore and Sanosara centres

### Individual Station Rust Data

SN	Variety	Code	Vijapur		Junagarh	
			BI	Br	BI	Br
1	CG 1015	CZ-LS-01	0	0	tS	tR
2	MP 3336 (C)	CZ-LS-02	0	tR	0	0
3	HD 2932 (C)	CZ-LS-03	tS	0	tS	tR
4	MP 4010 (C)	CZ-LS-04	0	0	0	0
5	HD 2864 (C)	CZ-LS-05	0	0	0	0