

2341 - AVT-IR-TS-TAD-CZ , 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Gujarat												U.P.					
			Vijapur			SK Nagar			Junagadh			Anand			Banda			Jhansi		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1669*	CZTS112	59.3	12	0	49.8	12	0	50.6	14	0	56.8	7	0	55.5	12	0	49.3	7	1
2	MACS4125(d)	CZTS103	57.8	15	0	48.9	14	0	55.1	2	1	38.8	15	0	57.5	9	0	41.7	16	0
3	GW554	CZTS104	60.3	9	0	54.4	6	1	47.7	17	0	61.9	3	1	56.4	10	0	50.3	4	1
4	MACS4135(d)	CZTS105	64.4	5	1	52.6	9	1	53.3	7	0	43.5	12	0	60.0	5	1	51.9	1	1
5	MACS6837	CZTS106	66.2	3	1	53.0	7	1	54.8	4	1	63.2	1	1	66.6	2	1	47.0	10	1
6	HI1684	CZTS107	60.3	8	0	49.0	13	0	42.2	19	0	45.6	11	0	58.9	7	0	42.5	15	0
7	HI8850(d)	CZTS108	58.2	13	0	48.1	16	0	52.5	8	0	40.9	13	0	57.6	8	0	47.2	9	1
8	HI8849(d)	CZTS109	64.0	6	0	46.7	18	0	48.6	16	0	31.4	19	0	58.9	6	0	50.3	2	1
9	HI8848(d)	CZTS110	55.1	18	0	45.5	19	0	50.8	12	0	39.9	14	0	52.0	17	0	39.4	17	0
10	GW555	CZTS111	66.4	2	1	52.9	8	1	57.2	1	1	62.9	2	1	62.6	4	1	44.4	12	1
11	MP3570	CZTS113	65.3	4	1	55.8	4	1	55.0	3	1	53.4	9	0	68.9	1	1	44.1	13	1
12	HI1683	CZTS114	60.2	10	0	50.0	11	0	53.6	6	1	61.2	5	1	63.4	3	1	39.4	18	0
13	MPO1395 (d)	CZTS119	57.6	16	0	47.7	17	0	50.8	12	0	37.8	16	0	53.5	14	0	48.1	8	1
14	HI1650 (C)	CZTS115	63.2	7	0	57.6	1	1	49.8	15	0	59.3	6	1	55.0	13	0	50.2	6	1
15	MACS6768(C)	CZTS116	67.6	1	1	56.5	2	1	46.2	18	0	56.6	8	0	51.4	18	0	50.3	4	1
16	GW322 (C)	CZTS118	55.6	17	0	55.6	5	1	54.2	5	1	61.8	4	1	52.7	15	0	50.3	2	1
17	HI8737(d)(C)	CZTS102	60.1	11	0	48.6	15	0	51.0	11	0	32.4	18	0	50.9	19	0	45.0	11	1
18	HI8713(d)(C)	CZTS117	58.1	14	0	50.6	10	0	51.7	9	0	35.5	17	0	56.2	11	0	37.7	19	0
19	GW547(I)(C)	CZTS101	54.6	19	0	56.2	3	1	51.4	10	0	50.1	10	0	52.1	16	0	43.6	14	0
G.M.			60.8			51.6			51.4			49.1			57.4			45.9		
S.E.(M)			1.407			2.341			1.597			1.900			3.857			3.379		
C.D. (10%)			3.3			5.5			3.8			4.5			9.1			8.0		
C.V.			4.6			9.1			6.2			7.7			13.4			14.7		
D.O.S.(dd.mm.yy)			20.11.23			10.11.23			10.11.23			20.11.23			18.11.23			13.11.23		

No. of Trials : Proposed = 14
Trial not conducted (00) : Nil

Conducted = 14
Trials not reported (00) = Nil

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LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	M.P.															Rajasthan		
			Jabalpur (JNKVV)			Sagar			Gwalior			Powarkheda			Indore			Udaipur		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1669*	CZTS112	55.1	11	0	62.2	1	1	53.2	4	0	51.4	10	0	64.8	2	1	63.0	10	0
2	MACS4125(d)	CZTS103	48.1	19	0	54.0	12	0	40.8	19	0	47.0	15	0	62.2	8	1	66.7	5	1
3	GW554	CZTS104	55.3	10	0	60.0	2	1	53.0	6	0	56.4	3	1	55.8	17	0	64.9	6	1
4	MACS4135(d)	CZTS105	63.3	1	1	54.3	11	0	50.1	11	0	55.4	4	1	63.5	5	1	69.4	1	1
5	MACS6837	CZTS106	56.2	8	0	54.9	9	0	46.8	12	0	45.3	17	0	57.4	15	0	62.6	11	0
6	HI1684	CZTS107	49.2	18	0	52.2	15	0	52.8	7	0	48.8	13	0	63.9	4	1	56.5	19	0
7	HI8850(d)	CZTS108	54.2	14	0	56.2	7	0	50.2	10	0	58.9	1	1	65.1	1	1	67.0	3	1
8	HI8849(d)	CZTS109	61.9	2	1	58.2	4	1	43.8	18	0	48.6	14	0	63.0	6	1	67.2	2	1
9	HI8848(d)	CZTS110	55.1	12	0	53.5	13	0	59.9	1	1	49.5	11	0	58.8	14	0	57.4	17	0
10	GW555	CZTS111	54.0	16	0	59.9	3	1	53.2	5	0	53.5	6	1	57.1	16	0	66.8	4	1
11	MP3570	CZTS113	56.1	9	0	46.7	18	0	44.4	17	0	53.0	8	0	55.6	18	0	64.0	7	0
12	HI1683	CZTS114	53.0	17	0	57.3	5	0	58.7	2	1	56.6	2	1	64.0	3	1	61.2	13	0
13	MPO1395 (d)	CZTS119	56.5	5	0	52.2	16	0	45.0	15	0	51.7	9	0	60.5	9	0	60.8	14	0
14	HI1650 (C)	CZTS115	54.1	15	0	54.4	10	0	45.1	14	0	45.3	17	0	60.4	10	0	58.6	16	0
15	MACS6768(C)	CZTS116	61.1	4	1	41.0	19	0	46.7	13	0	49.3	12	0	52.9	19	0	61.9	12	0
16	GW322 (C)	CZTS118	54.6	13	0	55.3	8	0	51.7	8	0	44.1	19	0	59.5	12	0	59.8	15	0
17	HI8737(d)(C)	CZTS102	56.3	7	0	52.9	14	0	53.3	3	0	47.0	15	0	60.2	11	0	63.1	9	0
18	HI8713(d)(C)	CZTS117	61.4	3	1	52.0	17	0	44.8	16	0	54.5	5	1	62.8	7	1	63.7	8	0
19	GW547(I)(C)	CZTS101	56.5	6	0	57.1	6	0	50.4	9	0	53.5	7	1	59.4	13	0	57.2	18	0
G.M.			55.9			54.4			49.7			51.0			60.4			62.7		
S.E.(M)			1.338			1.918			0.913			2.324			1.572			2.050		
C.D. (10%)			3.2			4.5			2.2			5.5			3.7			4.9		
C.V.			4.8			7.0			3.7			9.1			5.2			6.5		
D.O.S.(dd.mm.yy)			08.11.23			17.11.23			15.11.23			14.11.23			11.11.23			05.11.23		

2341 - AVT-IR-TS-TAD-CZ , 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	Chhattisgarh					
			Bilaspur			Raipur		
			Yield	Rk	G	Yield	Rk	G
1	HI1669*	CZTS112	47.8	8	0	44.4	7	0
2	MACS4125(d)	CZTS103	44.6	14	0	41.8	19	0
3	GW554	CZTS104	51.0	6	0	42.6	13	0
4	MACS4135(d)	CZTS105	40.9	19	0	42.5	14	0
5	MACS6837	CZTS106	57.3	1	1	52.9	3	1
6	HI1684	CZTS107	42.5	15	0	42.9	9	0
7	HI8850(d)	CZTS108	54.2	4	1	48.8	5	0
8	HI8849(d)	CZTS109	46.6	13	0	42.0	18	0
9	HI8848(d)	CZTS110	40.9	18	0	43.4	8	0
10	GW555	CZTS111	56.7	2	1	52.9	3	1
11	MP3570	CZTS113	41.2	17	0	55.7	1	1
12	HI1683	CZTS114	46.8	11	0	42.4	15	0
13	MPO1395 (d)	CZTS119	46.6	12	0	54.0	2	1
14	HI1650 (C)	CZTS115	46.8	10	0	46.0	6	0
15	MACS6768(C)	CZTS116	47.5	9	0	42.1	17	0
16	GW322 (C)	CZTS118	54.6	3	1	42.8	12	0
17	HI8737(d)(C)	CZTS102	41.6	16	0	42.8	11	0
18	HI8713(d)(C)	CZTS117	50.2	7	0	42.9	10	0
19	GW547(I)(C)	CZTS101	53.7	5	1	42.1	16	0
G.M.			48.0			45.5		
S.E.(M)			2.313			1.804		
C.D. (10%)			5.5			4.3		
C.V.			9.6			7.9		
D.O.S.(dd.mm.yy)			15.11.23			14.11.23		

2341 - AVT-IR-TS-TAD-CZ , 2023-24
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	Gujarat			U.P.			M.P.			Rajasthan			Chhattisgarh			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HI1669*	CZTS112	54.1	9	0	52.4	8	1	57.3	2	1	63.0	10	0	46.1	11	0	54.5	6	0
2	MACS4125(d)	CZTS103	50.2	12	0	49.6	15	0	50.4	18	0	66.7	5	1	43.2	15	0	50.4	18	0
3	GW554	CZTS104	56.1	8	0	53.4	6	1	56.1	5	0	64.9	6	1	46.8	8	0	55.0	3	0
4	MACS4135(d)	CZTS105	53.4	10	0	55.9	3	1	57.3	3	1	69.4	1	1	41.7	19	0	54.6	5	0
5	MACS6837	CZTS106	59.3	2	1	56.8	1	1	52.1	15	0	62.6	11	0	55.1	1	1	56.0	2	1
6	HI1684	CZTS107	49.3	14	0	50.7	14	0	53.4	12	0	56.5	19	0	42.7	16	0	50.5	16	0
7	HI8850(d)	CZTS108	49.9	13	0	52.4	9	1	56.9	4	1	67.0	3	1	51.5	3	0	54.2	8	0
8	HI8849(d)	CZTS109	47.7	19	0	54.6	4	1	55.1	10	0	67.2	2	1	44.3	14	0	52.2	12	0
9	HI8848(d)	CZTS110	47.8	18	0	45.7	19	0	55.3	8	0	57.4	17	0	42.2	18	0	50.1	19	0
10	GW555	CZTS111	59.9	1	1	53.5	5	1	55.5	6	0	66.8	4	1	54.8	2	1	57.2	1	1
11	MP3570	CZTS113	57.4	4	0	56.5	2	1	51.2	17	0	64.0	7	0	48.4	6	0	54.2	7	0
12	HI1683	CZTS114	56.3	7	0	51.4	11	1	57.9	1	1	61.2	13	0	44.6	13	0	54.9	4	0
13	MPO1395 (d)	CZTS119	48.4	16	0	50.8	13	1	53.2	13	0	60.8	14	0	50.3	4	0	51.6	14	0
14	HI1650 (C)	CZTS115	57.5	3	0	52.6	7	1	51.8	16	0	58.6	16	0	46.4	10	0	53.3	10	0
15	MACS6768(C)	CZTS116	56.7	6	0	50.9	12	1	50.2	19	0	61.9	12	0	44.8	12	0	52.2	13	0
16	GW322 (C)	CZTS118	56.8	5	0	51.5	10	1	53.0	14	0	59.8	15	0	48.7	5	0	53.8	9	0
17	HI8737(d)(C)	CZTS102	48.0	17	0	47.9	16	0	53.9	11	0	63.1	9	0	42.2	17	0	50.4	17	0
18	HI8713(d)(C)	CZTS117	49.0	15	0	47.0	18	0	55.1	9	0	63.7	8	0	46.5	9	0	51.6	15	0
19	GW547(I)(C)	CZTS101	53.1	11	0	47.8	17	0	55.4	7	0	57.2	18	0	47.9	7	0	52.7	11	0
G.M.			53.2			51.7			54.3			62.7			46.8			53.1		
S.E.(M)			0.923			2.564			0.753			2.050			1.467			0.584		
C.D. (10%)			2.2			6.1			1.8			4.9			3.5			1.4		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial AVT-IR-TS-TAD, 2023-24

SN	Variety	Code	Disease reaction		Agronomic Characteristics						Grain Characteristics	
			Br	BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HI1669*	CZTS112	tR	tMR	56-86	70	82-133	119	80-115	98	26-55	42
2	MACS4125 (d)	CZTS103	10MS	10S	58-90	71	90-133	120	68-101	87	30-58	47
3	GW554	CZTS104	TMS	10MS	64-88	72	88-136	120	70-104	93	24-67	48
4	MACS4135(d)	CZTS105	0	0	45-82	63	82-137	118	70-103	88	31-59	46
5	MACS6837	CZTS106	tMS	10MS	53-83	66	83-131	118	69-99	85	26-60	48
6	HI1684	CZTS107	tMS	5S	60-88	72	84-136	119	76-104	93	28-50	43
7	HI8850(d)	CZTS108	tMS	20MS	47-84	64	84-135	117	68-107	93	28-52	40
8	HI8849(d)	CZTS109	0	0	65-90	74	83-135	120	72-104	90	26-64	44
9	HI8848(d)	CZTS110	tR	5MS	64-90	73	89-134	119	66-106	92	28-61	46
10	GW555	CZTS111	tR	tMS	67-85	75	84-120	111	70-113	92	31-59	46
11	MP3570	CZTS113	0	0	47-86	64	86-118	108	59-95	80	28-54	42
12	HI1683	CZTS114	0	tR	50-84	65	79-129	116	70-106	90	25-52	41
13	MPO1395(d)	CZTS119	tMS	10MS	58-87	70	84-136	120	78-106	92	31-50	43
14	HI1650 (C)	CZTS115	0	tR	53-89	69	88-134	119	74-109	95	34-59	45
15	MACS6768 (C)	CZTS116	0	tR	51-86	67	86-133	117	74-104	90	29-51	44
16	GW322 (C)	CZTS118	tR	tMR	50-84	66	80-130	116	69-102	88	24-54	42
17	HI8737 (d) (C)	CZTS102	0	tMR	68-93	78	85-136	122	75-108	93	29-59	42
18	HI8713 (d) (C)	CZTS117	5MS	5S	60-86	71	83-134	117	77-105	92	25-46	38
19	GW547 (I)(C)	CZTS101	10MS	20S	63-90	72	90-132	119	69-105	93	27-65	50

1. Ancillary data from Anand, Banda, Bilaspur, Gwalior, Indore, Jabalpur, Jhansi, Junagadh, Powarkheda, Raipur, Sagar, SK Nagar, Udaipur, and Vijapur centres
2. Black and brown rust data reported from Vijapur centre
3. Lodging data reported from Anand, Jabalpur, Jhansi, Junagadh, Udaipur and Vijapur centres