

1271 - AVT-RI-TS/LS-TAS-SHZ, 2012-13
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	TAMILNADU									KARNATAKA					
		WELLINGTON-I			WELLINGTON-II			KOTAGIRI			KODAIKANAL			MANDYA		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. HW 1900	AVT-SHZ-1	43.1	6	1	26.1	9	0	30.1	8	0	36.2	7	0	42.8	2	1
2. HW 4042	AVT-SHZ-3	42.5	7	1	30.6	6	1	40.2	4	0	44.9	2	1	29.9	7	0
3. HW 5237	AVT-SHZ-5	47.0	2	1	31.6	5	1	18.4	9	0	38.9	4	1	33.8	5	0
4. HW 5235	AVT-SHZ-6	45.8	3	1	35.5	3	1	43.5	3	1	35.3	8	0	32.9	6	0
5. HW 4013	AVT-SHZ-7	35.7	9	0	31.8	4	1	33.8	7	0	32.4	9	0	25.0	9	0
6. HW 5224*	AVT-SHZ-8	43.2	5	1	29.0	8	0	47.6	1	1	38.3	6	1	28.4	8	0
7. CoW(W) 1 (C)	AVT-SHZ-2	41.8	8	1	30.1	7	1	43.8	2	1	45.7	1	1	43.3	1	1
8. HW 2044 (C)	AVT-SHZ-4	44.6	4	1	35.6	2	1	37.4	5	0	38.6	5	1	36.5	3	0
9. HW 5216 (I) (C)	AVT-SHZ-9	47.8	1	1	35.8	1	1	35.7	6	0	41.0	3	1	34.3	4	0
G.M.		43.5			31.8			36.7			39.0			34.1		
S.E.(M)		2.327			2.234			1.822			2.970			1.812		
C.D.		6.7			6.4			5.2			8.5			5.2		
C.V.		13.1			17.2			12.2			18.6			13.0		
D.O.S.(dd.mm.yy)		25.11.12			19.12.12			19.11.12			21.11.12			15.12.12		

No. of Trials : Proposed = 09 Conducted = 08

Trials not Conducted (01) : Yercaud

Trials not Reported (03) : Ooty (HCV), Paiyur (RMT), Muthorai (RMT)

1271 - AVT-RI-TS/LS-TAS-SHZ, 2012-13
STATE AND ZONAL MEANS (q/ha)

VARIETY	CODE	TAMILNADU			KARNATAKA			ZONAL		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. HW 1900	AVT-SHZ-1	33.9	8	0	42.8	2	1	35.6	7	0
2. HW 4042	AVT-SHZ-3	39.5	4	1	29.9	7	0	37.6	5	0
3. HW 5237	AVT-SHZ-5	34.0	7	0	33.8	5	0	33.9	8	0
4. HW 5235	AVT-SHZ-6	40.0	3	1	32.9	6	0	38.6	3	1
5. HW 4013	AVT-SHZ-7	33.4	9	0	25.0	9	0	31.7	9	0
6. HW 5224*	AVT-SHZ-8	39.5	5	1	28.4	8	0	37.3	6	0
7. CoW(W) 1 (C)	AVT-SHZ-2	40.4	1	1	43.3	1	1	40.9	1	1
8. HW 2044 (C)	AVT-SHZ-4	39.0	6	1	36.5	3	0	38.5	4	1
9. HW 5216 (I) (C)	AVT-SHZ-9	40.1	2	1	34.3	4	0	38.9	2	1
S.E.(M)		1.300			1.812			1.113		
C.D.		3.6			5.2			3.1		

1272 - IVT-RI-TS/LS-TAS -SHZ, 2012-13
LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	TAMILNADU						KARNATAKA								
		WELLINGTON-I			WELLINGTON-II			KOTAGIRI			KODAIKANAL			MANDYA		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. NIAW 2059	IVT-SHZ-2	36.0	9	0	29.4	13	1	49.7	7	1	42.6	3	1	40.4	7	0
2. UAS 359	IVT-SHZ-3	36.6	5	0	31.5	10	1	50.6	6	1	42.6	2	1	40.1	8	0
3. HS 571	IVT-SHZ-4	29.7	18	0	32.3	6	1	31.7	20	0	35.4	8	0	44.2	4	0
4. UAS 358	IVT-SHZ-5	41.5	2	1	32.9	4	1	53.0	1	1	35.7	7	0	44.8	3	0
5. HW 5244	IVT-SHZ-6	33.6	14	0	27.9	14	0	45.8	10	0	31.2	17	0	33.5	16	0
6. HS 570	IVT-SHZ-7	35.6	10	0	27.6	15	0	41.7	12	0	40.3	4	1	14.0	20	0
7. HW 5243	IVT-SHZ-8	36.5	7	0	33.4	3	1	40.5	14	0	32.4	16	0	37.1	11	0
8. HW 5239	IVT-SHZ-10	32.8	15	0	26.5	18	0	51.5	4	1	35.1	9	0	24.2	19	0
9. HW 5242	IVT-SHZ-11	29.4	19	0	24.8	20	0	35.3	19	0	34.0	12	0	33.6	15	0
10. HW 4015	IVT-SHZ-12	35.2	11	0	26.8	17	0	48.9	8	1	34.7	10	0	43.8	5	0
11. MACS 6516	IVT-SHZ-13	32.1	16	0	31.6	9	1	41.4	13	0	39.2	5	1	37.0	12	0
12. HW 5555	IVT-SHZ-14	46.4	1	1	25.8	19	0	51.4	5	1	27.2	20	0	37.3	10	0
13. HS 565	IVT-SHZ-15	34.2	12	0	33.7	1	1	36.2	18	0	32.9	15	0	37.9	9	0
14. HS 572	IVT-SHZ-16	31.1	17	0	33.6	2	1	37.3	17	0	34.6	11	0	28.4	18	0
15. HW 1900-1	IVT-SHZ-17	39.2	3	1	30.6	12	1	46.4	9	0	31.0	18	0	32.8	17	0
16. MACS 6507	IVT-SHZ-18	36.5	6	0	31.2	11	1	52.7	2	1	45.4	1	1	40.5	6	0
17. NIAW 2073	IVT-SHZ-19	23.0	20	0	27.1	16	0	38.2	15	0	38.6	6	1	36.4	13	0
18. HS 569	IVT-SHZ-20	36.4	8	0	31.6	8	1	37.9	16	0	33.4	13	0	36.3	14	0
19. CoW (W)1 (C)	IVT-SHZ-1	34.1	13	0	32.4	5	1	52.2	3	1	33.0	14	0	46.7	2	1
20. HW 2044 (C)	IVT-SHZ-9	37.3	4	0	32.0	7	1	42.7	11	0	28.8	19	0	51.3	1	1
G.M.		34.9			30.1			44.3			35.4			37.0		
S.E.(M)		2.786			1.836			1.827			2.484			2.043		
C.D.		7.9			5.2			5.2			7.0			5.8		
C.V.		16.0			12.2			8.3			14.0			11.0		
D.O.S.(dd.mm.yy)		26.11.12			20.12.12			19.11.12			22.11.12			15.12.12		

No. of Trials : Proposed = 08 Conducted = 07
Trials not Conducted (01) : Yercaud
Trials not Reported (02) : Muthorai (RMT), Ooty (HCV)

1272 - IVT-RI-TS/LS-TAS -SHZ, 2012-13
STATE AND ZONAL MEANS (q/ha)

VARIETY	CODE	TAMILNADU			KARNATAKA			ZONAL		
		Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1. NIAW 2059	IVT-SHZ-2	39.4	4	1	40.4	7	0	39.6	5	1
2. UAS 359	IVT-SHZ-3	40.3	3	1	40.1	8	0	40.3	3	1
3. HS 571	IVT-SHZ-4	32.2	18	0	44.2	4	0	34.6	14	0
4. UAS 358	IVT-SHZ-5	40.8	2	1	44.8	3	0	41.6	1	1
5. HW 5244	IVT-SHZ-6	34.6	15	0	33.5	16	0	34.4	15	0
6. HS 570	IVT-SHZ-7	36.3	10	0	14.0	20	0	31.8	19	0
7. HW 5243	IVT-SHZ-8	35.7	12	0	37.1	11	0	36.0	11	0
8. HW 5239	IVT-SHZ-10	36.5	8	0	24.2	19	0	34.0	16	0
9. HW 5242	IVT-SHZ-11	30.9	20	0	33.6	15	0	31.4	20	0
10. HW 4015	IVT-SHZ-12	36.4	9	0	43.8	5	0	37.9	7	0
11. MACS 6516	IVT-SHZ-13	36.1	11	0	37.0	12	0	36.3	9	0
12. HW 5555	IVT-SHZ-14	37.7	6	0	37.3	10	0	37.6	8	0
13. HS 565	IVT-SHZ-15	34.3	16	0	37.9	9	0	35.0	13	0
14. HS 572	IVT-SHZ-16	34.2	17	0	28.4	18	0	33.0	17	0
15. HW 1900-1	IVT-SHZ-17	36.8	7	0	32.8	17	0	36.0	10	0
16. MACS 6507	IVT-SHZ-18	41.4	1	1	40.5	6	0	41.3	2	1
17. NIAW 2073	IVT-SHZ-19	31.7	19	0	36.4	13	0	32.7	18	0
18. HS 569	IVT-SHZ-20	34.8	14	0	36.3	14	0	35.1	12	0
19. CoW (W) 1 (C)	IVT-SHZ-1	38.0	5	1	46.7	2	1	39.7	4	1
20. HW 2044 (C)	IVT-SHZ-9	35.2	13	0	51.3	1	1	38.4	6	1
S.E.(M)		1.312			2.043			1.150		
C.D.		3.6			5.8			3.2		

Summary of Disease Data and Agronomic Characteristics

Southern Hills Zone

AVT-RIR-MF-TS/LS-TAS- SHZ, 2012-13

SN	Genotype	Code	Disease reaction	Agronomic Characteristics							Grain Characteristics			
			PM (HS)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HW 1900	AVT-SHZ-01	5	52-68	62	102-108	105	73-95	85	Ey	A	H	32-48	40
2	HW 4042	AVT-SHZ-03	1	64-75	69	102-125	113	72-92	83	Ey	A	H	34-48	40
3	HW 5237	AVT-SHZ-05	2	54-70	63	98-112	106	65-95	79	Ey	A	H	36-46	40
4	HW 5235	AVT-SHZ-06	3	54-68	63	98-110	105	68-94	83	Ey	A	H	34-42	38
5	HW 4013	AVT-SHZ-07	4	48-75	64	100-114	107	74-85	79	Ey	A	H	34-44	37
6	HW 5224*	AVT-SHZ-08	2	52-64	60	102-105	103	80-104	87	Ey	A	H	34-50	43
7	CoW(W)1 (C)	AVT-SHZ-02	2	54-72	66	100-118	110	69-93	80	Ey	A	H	34-48	41
8	HW 2044 (C)	AVT-SHZ-04	2	52-72	64	102-114	107	68-101	82	Ey	A	H	36-47	40
9	HW 5216 (I)(C)	AVT-SHZ-09	2	52-68	62	102-110	106	75-98	89	Ey	A	H	37-50	43

1. Ancillary data from Wellington 1(TS), Wellington 2 (LS), Mandhya, Kotagiri and Kodaikanal centres.
2. Powdery mildew (PM) data from Wellington 1(TS), Wellington 2 (LS), Kotagiri and Kodaikanal centres.

Individual Station Disease Data

SN	Genotype	Code	Powdery Mildew			
			Wellington-I (TS)	Wellington-II (LS)	Kodaikanal	Kotagiri
1	HW 1900	AVT-SHZ-01	4	5	3	1
2	HW 4042	AVT-SHZ-03	1	1	1	0
3	HW 5237	AVT-SHZ-05	2	2	0	0
4	HW 5235	AVT-SHZ-06	3	2	0	0
5	HW 4013	AVT-SHZ-07	4	1	1	1
6	HW 5224*	AVT-SHZ-08	2	2	0	0
7	CoW(W)1 (C)	AVT-SHZ-02	2	3	2	0
8	HW 2044 (C)	AVT-SHZ-04	1	2	1	1
9	HW 5216 (I) (C)	AVT-SHZ-09	2	2	0	0

Summary of Disease Data and Agronomic Characteristics

Southern Hills Zone

IVT-RIR-MF-TS/LS-TAS- SHZ, 2012-13

SN	Genotype	Code	Disease reaction							Agronomic Characteristics							Grain Characteristics			
			BI	Br	ACI	YR	ACI	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex.	TGW.R	TGW.M	
1	NIAW2059	IVT-SHZ-2	0	0	0.0	80S	33.3	1	52-66	61	95-110	104	86-102	94	Ey	A	H	38-42	40	
2	UAS359	IVT-SHZ-3	0	0	0.0	5MS	1.3	9	56-68	62	95-118	106	79-96	85	Ey	A	H	38-45	41	
3	HS571	IVT-SHZ-4	0	60S*	20.0	0	0.0	1	52-64	59	93-110	102	86-121	102	Ey	A	H	36-43	39	
4	UAS358	IVT-SHZ-5	80S	TR	0.1	0	0.0	7	54-68	60	90-110	103	84-114	99	Ey	A	H	33-42	38	
5	HW 5244	IVT-SHZ-6	5MR	0	0.0	0	0.0	1	52-70	62	93-112	104	69-93	81	Ey	A	H	34-46	41	
6	HS570	IVT-SHZ-7	0	0	0.0	100S	40.0	1	66-70	67	101-125	110	76-90	85	Ey	A	SH-H	32-42	37	
7	HW5243	IVT-SHZ-8	0	10S	3.3	0	0.0	1	60-66	62	95-113	104	85-120	101	Ey	A	H	33-40	36	
8	HW 5239	IVT-SHZ-10	0	0	0.0	0	0.0	1	50-66	61	94-106	102	65-80	75	Ey	A	H	28-46	40	
9	HW 5242	IVT-SHZ-11	40S*	0	0.0	0	0.0	2	52-65	61	95-108	102	75-96	90	Ey	A	H	40-44	42	
10	HW 4015	IVT-SHZ-12	0	0	0.0	0	0.0	1	56-72	66	100-116	109	83-98	91	Ey	A	H	31-40	35	
11	MACS 6516	IVT-SHZ-13	0	0	0.0	40S	36.7	1	52-72	63	93-112	104	73-92	85	Ey	A	SH-H	35-46	41	
12	HW 5555	IVT-SHZ-14	0	0	0.0	20S	6.7	1	54-70	63	97-112	105	84-92	88	Ey	A	H	36-48	43	
13	HS 565	IVT-SHZ-15	0	60S*	20.0	20S	7.3	4	60-72	63	95-122	107	83-121	98	Ey	A	H	30-42	38	
14	HS 572	IVT-SHZ-16	80S	TR	0.1	0	0.0	1	50-70	60	89-110	102	92-114	103	Ey	A	H	38-50	44	
15	HW1900-1	IVT-SHZ-17	0	0	0.0	0	0.0	5	60-62	61	95-112	103	84-115	99	Ey	A	H	32-44	38	
16	MACS 6507	IVT-SHZ-18	0	0	0.0	10S	3.3	2	54-65	61	95-110	104	83-94	88	Ey	A	H	34-48	41	
17	NIAW 2073	IVT-SHZ-19	5MR	10MS	2.7	20S	9.3	7	58-68	64	98-120	109	83-104	93	Ey	A	H	36-46	41	
18	HS569	IVT-SHZ-20	0	20S	8.3	10S	3.3	2	50-66	60	93-106	103	85-122	108	Ey	A	H	32-45	40	
19	CoW (W) 1(C)	IVT-SHZ-1	40S*	0	0.0	60S*	20.0	1	63-66	64	98-125	108	79-92	87	Ey	A	H	35-42	38	
20	HW2044 (C)	IVT-SHZ-9	0	0	0.0	90S*	30.0	9	56-66	61	92-116	104	82-87	85	Ey	A	H	37-48	43	

1. Ancillary data from Wellington 1(TS), Wellington 2 (LS), Mandhya, Kotagiri and Kodaikanal centres
2. Black rust data from Wellington 1(TS) and Wellington 2 (LS) centres
3. Yellow and brown rust data from Wellington 1(TS), Wellington 2 (LS) and Kotagiri centres.
4. Powdery mildew data from Wellington 1(TS) centre only.

Southern Hills Zone
IVT-RIR-MF-TS/LS-TAS- SHZ, 2012-13
Individual Station Disease Data

SN	Genotype	Code	Wellington 1 (TS)				Wellington 2 (LS)			Kotagiri	
			YI	Br	BI	PM	YI	Br	BI	YI	Br
1	NIAW2059	IVT-SHZ-2	80S	0	0	1	0	0	0	20S	0
2	UAS359	IVT-SHZ-3	0	0	0	9	0	0	0	5MS	0
3	HS571	IVT-SHZ-4	0	60S	0	1	0	0	0	0	0
4	UAS358	IVT-SHZ-5	0	TR	80S	7	0	0	20S	0	0
5	HW 5244	IVT-SHZ-6	0	0	5MR	1	0	0	0	0	0
6	HS570	IVT-SHZ-7	100 S	0	0	1	20S	0	0	0	0
7	HW5243	IVT-SHZ-8	0	0	0	1	0	10S	0	0	0
8	HW 5239	IVT-SHZ-10	0	0	0	1	0	0	0	0	0
9	HW 5242	IVT-SHZ-11	0	0	0	2	0	0	40S	0	0
10	HW 4015	IVT-SHZ-12	0	0	0	1	0	0	0	0	0
11	MACS 6516	IVT-SHZ-13	40S	0	0	1	30S	0	0	40S	0
12	HW 5555	IVT-SHZ-14	0	0	0	1	20S	0	0	0	0
13	HS 565	IVT-SHZ-15	20S	0	0	4	0	60S	0	5MR	0
14	HS 572	IVT-SHZ-16	0	0	20S	1	0	TR	80S	0	0
15	HW1900-1	IVT-SHZ-17	0	0	0	5	0	0	0	0	0
16	MACS 6507	IVT-SHZ-18	10S	0	0	2	0	0	0	0	0
17	NIAW 2073	IVT-SHZ-19	20S	0	0	7	0	0	5MR	10MS	10MS
18	HS569	IVT-SHZ-20	0	20S	0	2	10S	0	0	0	5S
19	CoW (W) 1(C)	IVT-SHZ-1	0	0	40S	1	60S	0	0	0	0
20	HW2044 (C)	IVT-SHZ-9	0	0	0	9	90S	0	0	0	0