

2011-IVT-RF-TS-TAS-NHZ, 2020-21
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	H.P.											
			Malan			Shimla			Bajaura			Dhaulakuan		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HS683	NHIVT 2001	15.0	14	0	20.9	8	0	26.1	8	0	24.1	11	0
2	HPW479	NHIVT 2002	18.5	9	0	23.7	4	1	25.6	10	0	25.5	7	0
3	HS682	NHIVT 2004	16.0	13	0	18.5	11	0	24.2	12	0	21.7	15	0
4	HPW476	NHIVT 2005	20.5	6	0	18.3	12	0	26.5	7	0	25.2	8	0
5	HPW477	NHIVT 2007	22.8	2	1	17.4	13	0	26.7	6	0	25.1	10	0
6	HPW478	NHIVT 2008	17.5	10	0	24.0	2	1	32.0	1	1	23.1	12	0
7	HD3402	NHIVT 2009	17.0	12	0	22.8	5	1	25.7	9	0	22.0	14	0
8	VL2044	NHIVT 2010	24.2	1	1	23.9	3	1	31.1	2	1	25.6	6	0
9	SKW358	NHIVT 2011	20.6	5	0	13.7	16	0	24.0	13	0	27.2	3	1
10	HS684	NHIVT 2012	14.2	15	0	21.0	7	0	22.0	14	0	25.1	9	0
11	VL2045	NHIVT 2013	12.9	16	0	24.7	1	1	29.3	4	1	26.3	4	0
12	UP3092	NHIVT 2014	17.5	11	0	16.5	15	0	27.1	5	0	29.6	1	1
13	VL2043	NHIVT 2015	21.9	3	1	16.5	14	0	25.4	11	0	25.9	5	0
14	VL2046	NHIVT 2016	19.0	7	0	22.5	6	1	29.8	3	1	17.7	16	0
15	HS507(C)	NHIVT 2003	21.7	4	0	20.0	10	0	16.7	16	0	23.0	13	0
16	HS562(C)	NHIVT 2006	18.8	8	0	20.3	9	0	21.5	15	0	29.5	2	1
G.M.			18.6			20.3			25.9			24.8		
S.E.(M)			1.029			1.072			1.640			1.115		
C.D. (10%)			2.4			2.5			3.9			2.6		
C.V.			11.0			10.6			12.7			9.0		
D.O.S.(dd.mm.yy)			24.10.20			24.10.20			19.10.20			30.10.20		

No. of Trials : Proposed = 11 Conducted = 11
Trials not Reported (04)= Ranichauri (RMT), Majhera (LSM), Imphal (LS), Umiam (LSM,HCV)

2011-IVT-RF-TS-TAS-NHZ, 2020-21
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	UTK			J&K					
			Almora			Khudwani			Wadura		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HS683	NHIVT 2001	17.9	16	0	34.3	10	0	25.6	11	0
2	HPW479	NHIVT 2002	21.6	14	0	35.5	9	0	39.3	2	1
3	HS682	NHIVT 2004	28.3	6	0	29.0	15	0	23.8	14	0
4	HPW476	NHIVT 2005	30.6	3	0	37.6	4	0	25.4	12	0
5	HPW477	NHIVT 2007	21.7	13	0	40.8	3	1	29.5	6	0
6	HPW478	NHIVT 2008	22.2	11	0	33.0	11	0	27.3	9	0
7	HD3402	NHIVT 2009	28.8	5	0	37.2	5	0	41.7	1	1
8	VL2044	NHIVT 2010	26.8	8	0	41.7	2	1	31.1	5	0
9	SKW358	NHIVT 2011	27.4	7	0	29.8	14	0	36.3	4	0
10	HS684	NHIVT 2012	18.8	15	0	28.8	16	0	22.9	16	0
11	VL2045	NHIVT 2013	22.1	12	0	31.1	13	0	26.1	10	0
12	UP3092	NHIVT 2014	26.6	9	0	36.6	6	0	29.2	7	0
13	VL2043	NHIVT 2015	30.3	4	0	42.6	1	1	38.1	3	1
14	VL2046	NHIVT 2016	32.0	2	0	35.6	8	0	28.2	8	0
15	HS507(C)	NHIVT 2003	23.6	10	0	31.5	12	0	24.5	13	0
16	HS562(C)	NHIVT 2006	37.4	1	1	36.0	7	0	23.8	15	0
G.M.			26.0			35.1			29.5		
S.E.(M)			1.367			1.539			1.730		
C.D. (10%)			3.2			3.7			4.1		
C.V.			10.5			8.8			11.7		
D.O.S.(dd.mm.yy)			17.10.20			16.10.20			28.10.20		

2011-IVT-RF-TS-TAS-NHZ, 2020-21
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	H.P.			UTK			J&K			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HS683	NHIVT 2001	21.5	12	0	17.9	16	0	29.9	11	0	23.4	13	0
2	HPW479	NHIVT 2002	23.3	3	0	21.6	14	0	37.4	3	0	27.1	4	0
3	HS682	NHIVT 2004	20.1	16	0	28.3	6	0	26.4	15	0	23.1	14	0
4	HPW476	NHIVT 2005	22.7	7	0	30.6	3	0	31.5	9	0	26.3	7	0
5	HPW477	NHIVT 2007	23.0	5	0	21.7	13	0	35.1	5	0	26.3	8	0
6	HPW478	NHIVT 2008	24.2	2	0	22.2	11	0	30.1	10	0	25.6	10	0
7	HD3402	NHIVT 2009	21.9	11	0	28.8	5	0	39.4	2	1	27.9	3	0
8	VL2044	NHIVT 2010	26.2	1	1	26.8	8	0	36.4	4	0	29.2	1	1
9	SKW358	NHIVT 2011	21.4	13	0	27.4	7	0	33.1	6	0	25.6	11	0
10	HS684	NHIVT 2012	20.6	14	0	18.8	15	0	25.8	16	0	21.8	16	0
11	VL2045	NHIVT 2013	23.3	4	0	22.1	12	0	28.6	13	0	24.6	12	0
12	UP3092	NHIVT 2014	22.7	6	0	26.6	9	0	32.9	7	0	26.1	9	0
13	VL2043	NHIVT 2015	22.4	9	0	30.3	4	0	40.3	1	1	28.7	2	1
14	VL2046	NHIVT 2016	22.3	10	0	32.0	2	0	31.9	8	0	26.4	6	0
15	HS507(C)	NHIVT 2003	20.4	15	0	23.6	10	0	28.0	14	0	23.0	15	0
16	HS562(C)	NHIVT 2006	22.5	8	0	37.4	1	1	29.9	12	0	26.7	5	0
G.M.			22.4			26.0			32.3			25.7		
S.E.(M)			0.619			1.367			1.158			0.522		
C.D. (10%)			1.5			3.2			2.7			1.2		

Summary of Disease Data and Agronomic Characteristics

Northern Hills Zone

Trial: IVT-RF-TS-TAS-NHZ, 2020-21

SN	Variety	Code	Disease Reactions			Agronomic Characteristics							Grain Characteristics			
			YI	ACI	PM	Hd. R	Hd. M	Mat. R	Mat. M	Ht. R	Ht. M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HS683	NHIVT 2001	10R	1.3	1	103-199	143	154-249	200	79-110	90	Ey-M	A	SH	31-43	37
2	HPW479	NHIVT 2002	20MR	3.3	0	101-199	140	155-246	199	97-132	111	Ey-M	A	SH	38-52	46
3	HS682	NHIVT 2004	20MR	4.0	0	101-195	140	155-244	197	78-113	89	Ey-M	A	So-SH	34-45	39
4	HPW476	NHIVT 2005	20R	1.7	0	107-198	140	159-247	199	94-124	101	Ey-M	A	SH	37-51	45
5	HPW477	NHIVT 2007	20MR	4.7	1	109-201	143	154-245	197	81-108	90	Ey-M	A	SH	33-47	41
6	HPW478	NHIVT 2008	20R	1.7	1	109-200	142	162-244	199	95-141	118	Ey-M	A	SH	42-52	46
7	HD3402	NHIVT 2009	10MR	2.0	3	104-201	139	157-249	198	71-114	89	Ey-M	A	So-SH	36-47	42
8	VL2044	NHIVT 2010	20R	1.7	1	110-203	144	158-247	199	90-107	96	Ey-M	A-W	So-SH	38-57	47
9	SKW358	NHIVT 2011	60S	32.0	1	107-196	138	158-246	196	80-111	89	Ey-M	A	SH	41-49	45
10	HS684	NHIVT 2012	20MR	3.0	0	104-199	142	156-243	199	80-112	91	Ey-M	A	So-SH	31-44	39
11	VL2045	NHIVT 2013	30MR	5.3	3	106-203	144	158-246	200	85-107	91	Ey-M	A	So-SH	28-41	36
12	UP3092	NHIVT 2014	5MS	3.3	0	108-198	143	158-244	199	83-101	91	Ey-M	A	SH	39-52	45
13	VL2043	NHIVT 2015	20MS	8.0	0	106-195	140	158-247	198	86-112	95	Ey-M	A	SH	40-51	45
14	VL2046	NHIVT 2016	20MR	3.3	0	113-201	146	160-248	200	90-116	98	Ey-M	A	SH	37-46	42
15	HS507 (C)	NHIVT 2003	10MR	2.7	3	111-201	146	155-249	199	77-111	89	Ey-M	A	So-SH	33-44	40
16	HS562 (C)	NHIVT 2006	40S*	16.0	1	109-199	145	157-243	200	83-105	91	Ey-M	A	SH	36-46	41

1. Ancillary data from Almora, Bajaura, Dhaulakuan, Khudwani, Wadura, Malan, Shimla,
2. Yellow rust and data from Bajaura, Khudwani and Wadura
3. Powdery mildew data from Almora.

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Northern Hills Zone**

Individual Station Yellow Rust Data

SN	Variety	Code	YI		
			Bajaura	Khudwani	Wadura
1	HS683	NHIVT 2001	0	10R	10R
2	HPW479	NHIVT 2002	0	20MR	10R
3	HS682	NHIVT 2004	0	10MR	20MR
4	HPW476	NHIVT 2005	0	5R	20R
5	HPW477	NHIVT 2007	0	10R	30MR
6	HPW478	NHIVT 2008	0	5R	20R
7	HD3402	NHIVT 2009	0	10MR	10R
8	VL2044	NHIVT 2010	0	5R	20R
9	SKW358	NHIVT 2011	5MS	60S	40MS
10	HS684	NHIVT 2012	0	5R	20MR
11	VL2045	NHIVT 2013	0	10MR	30MR
12	UP3092	NHIVT 2014	5MS	10MR	10R
13	VL2043	NHIVT 2015	0	20MS	20MR
14	VL2046	NHIVT 2016	0	20MR	10R
15	HS507 (C)	NHIVT 2003	0	10MR	10MR
16	HS562 (C)	NHIVT 2006	0	40S	20MR