

2111-IVT-RF-TS-TAS-NHZ, 2021-22  
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	H.P.			UTK			J&K														
			Malan			Shimla			Bajaura			Almora			Gaja			Khudwani			Wadura		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	HS690	NHIVT301	32.6	5	0	28.1	5	0	42.5	1	1	49.8	1	1	28.0	7	0	31.0	13	0	35.5	8	0
2	VL2050	NHIVT302	30.6	8	0	31.8	2	1	36.0	8	0	38.5	8	0	27.0	8	0	31.3	12	0	35.2	9	0
3	UP3113	NHIVT303	18.7	13	0	23.7	10	0	38.0	3	1	29.2	14	0	23.0	16	0	50.9	1	1	33.2	10	0
4	HS691	NHIVT304	31.3	7	0	18.3	16	0	38.1	2	1	45.8	2	1	34.3	2	0	45.3	6	0	36.1	5	0
5	HS689	NHIVT305	13.1	16	0	27.3	6	0	31.2	14	0	35.4	11	0	30.6	5	0	46.4	4	0	36.2	3	0
6	HPW483	NHIVT307	35.0	4	0	23.7	11	0	35.3	9	0	43.5	3	0	28.2	6	0	46.6	3	0	26.0	16	0
7	HPW486	NHIVT308	44.3	1	1	25.3	7	0	34.1	10	0	37.2	9	0	25.0	13	0	45.6	5	0	35.8	6	0
8	SKW362	NHIVT309	18.6	14	0	23.7	9	0	33.8	11	0	23.7	16	0	26.7	9	0	32.4	11	0	35.6	7	0
9	HPW485	NHIVT311	43.6	2	1	20.8	14	0	31.7	13	0	39.5	6	0	24.2	15	0	20.7	16	0	26.9	15	0
10	HS688	NHIVT312	17.3	15	0	28.6	4	0	33.2	12	0	27.3	15	0	32.9	3	0	47.9	2	1	36.2	4	0
11	VL2048	NHIVT313	26.5	10	0	19.7	15	0	36.1	7	0	36.0	10	0	32.3	4	0	32.7	10	0	28.4	14	0
12	HPW484	NHIVT314	22.8	12	0	32.5	1	1	36.2	6	0	34.9	12	0	40.4	1	1	41.4	7	0	37.8	1	1
13	VL2049	NHIVT315	35.9	3	0	22.4	13	0	30.9	15	0	38.9	7	0	24.3	14	0	29.6	14	0	28.5	13	0
14	VL2047	NHIVT316	30.0	9	0	24.0	8	0	37.7	5	1	32.1	13	0	26.6	10	0	36.0	9	0	36.5	2	1
15	HS507(C)	NHIVT306	32.1	6	0	22.4	12	0	29.5	16	0	40.2	4	0	25.3	12	0	29.2	15	0	28.9	12	0
16	HS562(C)	NHIVT310	23.4	11	0	30.7	3	1	37.8	4	1	39.8	5	0	26.4	11	0	40.1	8	0	33.2	11	0
G.M.			28.5			25.2			35.1			37.0			28.4			37.9			33.1		
S.E.(M)			1.693			1.011			2.461			1.677			2.321			1.768			0.624		
C.D. (10%)			4.0			2.4			5.8			4.0			5.5			4.2			1.5		
C.V.			11.9			8.0			14.0			9.1			16.3			9.3			3.8		
D.O.S.(dd.mm.yy)			22.10.21			20.10.21			23.10.21			16.10.21			27.10.21			17.10.21			16.10.21		

No. of Trials : Proposed = 09 Conducted = 09  
Trials not reported (02) = Majhera (LSM), Imphal (LSM)

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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	HS690	NHIVT301	34.4	2	1	38.9	2	1	33.2	12	0	35.3	2	1
2	VL2050	NHIVT302	32.8	3	1	32.7	8	0	33.2	11	0	32.9	7	0
3	UP3113	NHIVT303	26.8	13	0	26.1	15	0	42.1	1	1	31.0	11	0
4	HS691	NHIVT304	29.3	10	0	40.1	1	1	40.7	5	1	35.6	1	1
5	HS689	NHIVT305	23.9	16	0	33.0	7	0	41.3	3	1	31.5	10	0
6	HPW483	NHIVT307	31.3	5	0	35.9	4	0	36.3	8	0	34.0	5	0
7	HPW486	NHIVT308	34.6	1	1	31.1	12	0	40.7	4	1	35.3	3	1
8	SKW362	NHIVT309	25.4	15	0	25.2	16	0	34.0	10	0	27.8	16	0
9	HPW485	NHIVT311	32.0	4	0	31.8	10	0	23.8	16	0	29.6	15	0
10	HS688	NHIVT312	26.4	14	0	30.1	13	0	42.1	1	1	31.9	8	0
11	VL2048	NHIVT313	27.5	12	0	34.2	5	0	30.6	13	0	30.3	12	0
12	HPW484	NHIVT314	30.5	8	0	37.6	3	1	39.6	6	0	35.1	4	1
13	VL2049	NHIVT315	29.7	9	0	31.6	11	0	29.1	14	0	30.1	13	0
14	VL2047	NHIVT316	30.6	7	0	29.3	14	0	36.2	9	0	31.8	9	0
15	HS507(C)	NHIVT306	28.0	11	0	32.7	9	0	29.0	15	0	29.7	14	0
16	HS562(C)	NHIVT310	30.7	6	0	33.1	6	0	36.6	7	0	33.1	6	0
G.M.			29.6			32.7			35.5			32.2		
S.E.(M)			1.051			1.432			0.937			0.665		
C.D. (10%)			2.5			3.4			2.2			1.5		

## Summary of Disease Data and Agronomic Characteristics

Northern Hills Zone

Trial: IVT-RF-TS-TAS-NHZ, 2021-22

SN	Variety	Code	Disease Reaction				Agronomic Characteristics							
			YI	ACI	Br	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HS690	NHIVT301	10R	0.5	5S	7	102-187	137	149-233	190	81-139	107	35-49	43
2	VL2050	NHIVT302	5S	2.3	0	5	97-188	132	140-234	187	76123	102	34-50	43
3	UP3113	NHIVT303	5S	3.5	5S	5	98-187	136	150-226	187	78-115	97	33-49	41
4	HS691	NHIVT304	10MR	1.0	0	3	117-189	143	151-239	191	78128	103	30-49	40
5	HS689	NHIVT305	10S	2.8	5S	3	96-186	135	150-229	188	80-123	99	30-54	42
6	HPW483	NHIVT307	10R	0.8	0	3	98-188	137	149-227	188	86-119	99	25-49	38
7	HPW486	NHIVT308	40S	10.3	20S	0	96-189	140	150-228	190	83-128	102	29-50	42
8	SKW362	NHIVT309	20S	6.0	0	7	95-184	131	139-230	185	73-110	93	35-61	45
9	HPW485	NHIVT311	10S	5.3	5S	5	104-182	139	150-227	187	90-134	108	38-48	44
10	HS688	NHIVT312	5S	1.5	0	5	96-188	135	141-239	186	80-120	98	37-53	45
11	VL2048	NHIVT313	10S	4.8	0	3	96-183	130	149-231	187	71-112	88	31-49	42
12	HPW484	NHIVT314	5S	4.5	20S	7	97-183	133	150-229	187	76-125	99	38-62	49
13	VL2049	NHIVT315	10S	4.8	10S	3	95-184	132	150-247	190	68-120	93	39-53	49
14	VL2047	NHIVT316	20S	7.3	0	7	96-183	132	149-242	189	74-115	91	32-50	45
15	HS507(C)	NHIVT306	40S	10.3	tS	5	107-190	141	151-232	190	75-120	92	32-47	41
16	HS562(C)	NHIVT310	20S	7.8	5S	5	96-188	138	140-230	187	73-111	94	32-48	41

1. Ancillary data from Almora, Bajaura, Khudwani, Majhera, Malan, Gaja, Shimla, Imphal and Wadura.
2. Yellow rust data from Almoram Bajaura, Khudwani and Malan; 3. Brown rust data from Almora and Malan;
3. Powdery mildew data from Almora only.

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**Northern Hills Zone**

**Individual Station Rust Data**

SN	Variety	Code	Yellow rust					Brown rust	
			Almora	Bajaura	Khudwani	Malan		Almora	Malan
1	HS690	NHIVT301	0	0	10R	0		tS	5S
2	VL2050	NHIVT302	0	0	10MR	5S		0	0
3	UP3113	NHIVT303	5S	0	10MR	5S		5S	0
4	HS691	NHIVT304	0	0	10MR	0		0	0
5	HS689	NHIVT305	0	0	5R	10S		5S	0
6	HPW483	NHIVT307	0	0	10R	tS		0	0
7	HPW486	NHIVT308	0	0	5R	40S		20S	0
8	SKW362	NHIVT309	0	0	10MR	20S		0	0
9	HPW485	NHIVT311	5S	5S	5R	10S		5S	0
10	HS688	NHIVT312	5S	0	5R	0		0	0
11	VL2048	NHIVT313	0	5S	10MR	10S		0	0
12	HPW484	NHIVT314	5S	5MS	10MR	5S		20S	0
13	VL2049	NHIVT315	5S	0	10MR	10S		5S	10S
14	VL2047	NHIVT316	20S	0	10MR	5S		0	0
15	HS507(C)	NHIVT306	0	0	5R	40S		tS	0
16	HS562(C)	NHIVT310	5S	20S	5R	5S		5S	0