

2211-IVT-RF-TS-TAS-NHZ, 2022-23
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	H.P.						UTK		J&K									
			Malan			Shimla			Bajaura		Majhera		Khudwani		Wadura					
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G			
1	HPW489	NHIVT202	45.5	5	1	27.4	9	0	24.4	24	0	24.6	14	0	32.7	16	0	42.9	7	0
2	VL3032	NHIVT203	29.1	22	0	28.5	6	0	36.7	3	0	22.3	21	0	33.6	13	0	27.4	23	0
3	VL2051	NHIVT204	27.1	23	0	30.4	3	0	33.4	9	0	29.0	4	0	37.3	8	0	34.8	10	0
4	VL2053	NHIVT205	31.6	16	0	29.1	5	0	35.5	6	0	24.1	16	0	35.3	10	0	27.1	24	0
5	HS697	NHIVT206	31.5	17	0	28.2	7	0	34.3	8	0	25.0	11	0	30.8	21	0	34.2	12	0
6	UP3131	NHIVT207	30.3	20	0	23.7	19	0	22.9	25	0	27.2	9	0	31.8	17	0	44.3	6	0
7	HPW492	NHIVT209	48.1	2	1	23.0	20	0	32.7	11	0	25.0	11	0	45.4	4	0	28.3	20	0
8	HS699	NHIVT210	26.3	25	0	26.5	10	0	36.9	2	0	21.0	24	0	31.0	20	0	30.1	16	0
9	HD3466	NHIVT211	32.4	15	0	24.8	16	0	28.4	19	0	27.7	8	0	31.3	18	0	22.3	26	0
10	VL3031	NHIVT212	41.4	8	0	24.9	15	0	36.0	5	0	25.4	10	0	33.6	14	0	32.4	14	0
11	SKW368	NHIVT213	35.8	12	0	23.9	17	0	27.9	21	0	28.6	5	0	40.4	6	0	32.6	13	0
12	VL2052	NHIVT214	31.2	18	0	32.2	2	1	35.1	7	0	23.7	18	0	40.2	7	0	30.8	15	0
13	HS696	NHIVT215	34.4	13	0	21.6	22	0	26.0	23	0	21.4	23	0	30.7	22	0	25.3	25	0
14	HPW491	NHIVT216	37.4	11	0	20.3	24	0	21.7	26	0	24.6	14	0	31.1	19	0	29.5	19	0
15	VL2054	NHIVT217	45.8	4	1	21.0	23	0	28.9	18	0	25.0	11	0	41.9	5	0	28.3	20	0
16	SKUAW102	NHIVT218	38.2	10	0	17.7	25	0	29.3	17	0	30.8	2	1	33.0	15	0	27.7	22	0
17	HS695	NHIVT219	26.6	24	0	25.4	13	0	29.3	16	0	22.3	21	0	48.6	2	1	36.7	8	0
18	UP3134	NHIVT220	45.0	7	0	25.5	12	0	26.5	22	0	27.7	7	0	34.0	12	0	46.7	4	1
19	SKUAW101	NHIVT221	33.0	14	0	17.7	26	0	36.1	4	0	22.8	20	0	29.5	24	0	48.8	2	1
20	HPW493	NHIVT222	30.1	21	0	29.4	4	0	31.9	13	0	28.6	5	0	47.0	3	1	29.8	18	0
21	HPW494	NHIVT223	49.1	1	1	34.0	1	1	32.0	12	0	24.1	16	0	34.8	11	0	48.5	3	1
22	HS698	NHIVT225	31.0	19	0	25.2	14	0	33.2	10	0	19.6	26	0	50.4	1	1	35.4	9	0
23	HPW490	NHIVT226	45.3	6	1	25.7	11	0	27.9	20	0	30.4	3	1	36.2	9	0	49.4	1	1
24	HS562(C)	NHIVT201	41.3	9	0	28.0	8	0	42.3	1	1	32.1	1	1	28.5	26	0	34.8	10	0
25	VL892(C)	NHIVT208	20.2	26	0	22.1	21	0	30.6	15	0	21.0	24	0	28.8	25	0	30.1	16	0
26	HS507(C)	NHIVT224	46.4	3	1	23.8	18	0	30.8	14	0	23.7	18	0	29.7	23	0	45.2	5	0
G.M.			35.9			25.4			31.2			25.3			35.7			34.7		
S.E.(M)			1.736			0.932			1.203			0.934			1.783			1.701		
C.D. (10%)			4.1			2.2			2.8			2.2			4.2			4.0		
C.V.			9.7			7.3			7.7			7.4			10.0			9.8		
D.O.S.(dd.mm.yy)			25.10.22			27.10.22			28.10.22			01.11.22			23.10.22			20.10.22		

No. of Trials : Proposed = 09 Conducted = 09
Trials not reported (03) = Almora (LSM), Gaja (LS,LSM), Imphal (Faulty Design)

2211-IVT-RF-TS-TAS-NHZ, 2022-23
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	HPW489	NHIVT202	32.4	8	0	24.6	14	0	37.8	9	0	32.9	7	0
2	VL3032	NHIVT203	31.4	12	0	22.3	21	0	30.5	21	0	29.6	20	0
3	VL2051	NHIVT204	30.3	15	0	29.0	4	0	36.0	13	0	32.0	12	0
4	VL2053	NHIVT205	32.1	10	0	24.1	16	0	31.2	19	0	30.4	18	0
5	HS697	NHIVT206	31.4	13	0	25.0	11	0	32.5	17	0	30.7	17	0
6	UP3131	NHIVT207	25.6	25	0	27.2	9	0	38.1	8	0	30.0	19	0
7	HPW492	NHIVT209	34.6	3	0	25.0	11	0	36.8	11	0	33.7	5	0
8	HS699	NHIVT210	29.9	16	0	21.0	24	0	30.5	20	0	28.6	22	0
9	HD3466	NHIVT211	28.5	20	0	27.7	8	0	26.8	26	0	27.8	23	0
10	VL3031	NHIVT212	34.1	4	0	25.4	10	0	33.0	16	0	32.3	10	0
11	SKW368	NHIVT213	29.2	18	0	28.6	5	0	36.5	12	0	31.5	14	0
12	VL2052	NHIVT214	32.8	7	0	23.7	18	0	35.5	14	0	32.2	11	0
13	HS696	NHIVT215	27.3	22	0	21.4	23	0	28.0	25	0	26.6	25	0
14	HPW491	NHIVT216	26.5	24	0	24.6	14	0	30.3	23	0	27.4	24	0
15	VL2054	NHIVT217	31.9	11	0	25.0	11	0	35.1	15	0	31.8	13	0
16	SKUAW102	NHIVT218	28.4	21	0	30.8	2	1	30.4	22	0	29.5	21	0
17	HS695	NHIVT219	27.1	23	0	22.3	21	0	42.7	3	1	31.5	15	0
18	UP3134	NHIVT220	32.3	9	0	27.7	7	0	40.3	5	1	34.2	4	0
19	SKUAW101	NHIVT221	28.9	19	0	22.8	20	0	39.1	6	0	31.3	16	0
20	HPW493	NHIVT222	30.5	14	0	28.6	5	0	38.4	7	0	32.8	8	0
21	HPW494	NHIVT223	38.4	1	1	24.1	16	0	41.6	4	1	37.1	1	1
22	HS698	NHIVT225	29.8	17	0	19.6	26	0	42.9	1	1	32.5	9	0
23	HPW490	NHIVT226	32.9	6	0	30.4	3	1	42.8	2	1	35.8	2	1
24	HS562(C)	NHIVT201	37.2	2	1	32.1	1	1	31.6	18	0	34.5	3	0
25	VL892(C)	NHIVT208	24.3	26	0	21.0	24	0	29.4	24	0	25.4	26	0
26	HS507(C)	NHIVT224	33.7	5	0	23.7	18	0	37.5	10	0	33.3	6	0
G.M.			30.8			25.3			35.2			31.4		
S.E.(M)			0.770			0.934			1.232			0.584		
C.D. (10%)			1.8			2.2			2.9			1.4		

Summary of Disease Data and Agronomic Characteristics

Northern Hills Zone

Trial: IVT-RF-TS-TAS-NHZ, 2022-23

SN	Variety	Code	Disease Reaction				Agronomic Characteristics						Grain Characteristics	
			YI	ACI	Br	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HPW489	NHIVT202	10S	3.5	0	1	113-180	143	180-237	201	92-115	101	52-63	57
2	VL3032	NHIVT203	90S	22.8	0	3	119-179	147	176-240	200	86-117	101	43-63	54
3	VL2051	NHIVT204	5S	2.5	0	2	117-180	147	180-240	200	93-116	100	39-61	51
4	VL2053	NHIVT205	80S	24.3	5S	2	114-181	143	175-237	199	83-100	90	43-65	54
5	HS697	NHIVT206	80S	29.3	0	2	95-180	136	169-239	197	92-119	101	42-56	48
6	UP3131	NHIVT207	60S	22.8	0	3	108-180	139	171-237	196	83-107	92	40-61	52
7	HPW492	NHIVT209	40MS	12.3	0	2	104-179	145	175-238	199	90-109	101	44-58	51
8	HS699	NHIVT210	80S	21.0	0	1	109-179	139	175-239	198	82-108	95	39-50	44
9	HD3466	NHIVT211	80S	36.3	5S	2	115-179	143	178-239	200	84-107	97	43-56	48
10	VL3031	NHIVT212	60MS	12.3	0	3	110-180	142	173-238	199	79-107	93	44-63	53
11	SKW368	NHIVT213	60S	16.5	20S	2	113-180	142	178-236	199	81-114	95	45-59	51
12	VL2052	NHIVT214	70S	17.6	0	2	122-180	147	178-239	200	92-108	100	44-53	49
13	HS696	NHIVT215	80S	21.5	0	2	104-180	140	179-238	200	94-105	100	41-50	46
14	HPW491	NHIVT216	80S	37.5	10S	3	105-181	139	177-241	199	79-101	89	46-60	54
15	VL2054	NHIVT217	80S	45.0	0	2	122-180	147	181-240	201	97-110	103	42-50	46
16	SKUAW102	NHIVT218	70S	35.0	0	2	105-181	139	171-237	197	80-98	89	47-56	50
17	HS695	NHIVT219	5R	0.5	0	2	106-182	142	175-239	199	82-117	98	37-53	45
18	UP3134	NHIVT220	60S	25.3	0	2	122-179	147	182-238	200	98-118	106	47-55	50
19	SKUAW101	NHIVT221	60S	38.0	0	2	105-177	137	172-237	196	81-106	91	48-59	52
20	HPW493	NHIVT222	80S	20.3	0	2	105-179	139	171-237	197	84-108	94	41-54	48
21	HPW494	NHIVT223	60S	35.0	20S	3	123-179	148	182-238	200	87-115	102	47-59	53
22	HS698	NHIVT225	60MS	14.0	0	3	110-180	140	179-239	198	92-110	99	43-59	50
23	HPW490	NHIVT226	70S	17.8	0	3	91-182	138	179-238	199	91-104	97	46-53	50
24	HS562(C)	NHIVT201	60S	18.8	10S	2	117-178	144	179-238	200	81-116	94	47-55	50
25	VL892(C)	NHIVT208	60MS	19.0	0	3	81-177	132	169-237	194	78-114	94	42-54	48
26	HS507(C)	NHIVT224	60S	26.3	10S	2	116-180	145	180-240	200	85-105	94	43-49	46

1. Ancillary data from Bajaura, Khudwani, Majhera, Malan, Shimla and Wadura.

2. Yellow rust data from Khudwani, Malan, Shimla and Wadura;

3. Brown rust & powdery mildew data from Malan

IVT-RF-TS-TAS-NHZ, 2022-23
Individual Station Yellow rust data

SN	Variety	Code	Yellow rust				Brown rust
			Khudwani	Malan	Shimla	Wadura	
1	HPW489	NHIVT202	20MR	0	0	10S	0
2	VL3032	NHIVT203	5R	0	0	90S	0
3	VL2051	NHIVT204	10MR	5S	0	5R	0
4	VL2053	NHIVT205	20MR	5S	5MS	80S	5S
5	HS697	NHIVT206	40MS	5S	0	80S	0
6	UP3131	NHIVT207	60S	20S	10S	5R	0
7	HPW492	NHIVT209	40MS	5S	0	30MR	0
8	HS699	NHIVT210	10MR	0	0	80S	0
9	HD3466	NHIVT211	60S	5S	0	80S	5S
10	VL3031	NHIVT212	R	0	tMS	60MS	0
11	SKW368	NHIVT213	60S	5S	0	5R	20S
12	VL2052	NHIVT214	R	0	0	70S	0
13	HS696	NHIVT215	5R	0	5S	80S	0
14	HPW491	NHIVT216	60S	10S	0	80S	10S
15	VL2054	NHIVT217	60S	40S	0	80S	0
16	SKUAW102	NHIVT218	60S	5S	5S	70S	0
17	HS695	NHIVT219	5R	0	0	5R	0
18	UP3134	NHIVT220	60S	40S	0	5R	0
19	SKUAW101	NHIVT221	60S	40S	5MS	60MS	0
20	HPW493	NHIVT222	5R	0	0	80S	0
21	HPW494	NHIVT223	60S	10S	10S	60S	20S
22	HS698	NHIVT225	20MR	0	0	60MS	0
23	HPW490	NHIVT226	5R	0	0	70S	0
24	HS562(C)	NHIVT201	60S	5S	0	10S	10S
25	VL892(C)	NHIVT208	20MR	20S	0	60MS	0
26	HS507(C)	NHIVT224	40S	5S	0	60S	10S