

2313-IVT/AVT-LS-RI-TAS -NHZ, 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	H.P.						UTK								
			Malan			Shimla			Bajaura			Almora			Majhera		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	VL3031	NHIVT302	23.0	14	0	25.8	2	0	35.5	5	0	30.7	2	0	23.2	2	0
2	HS703	NHIVT303	25.1	11	0	19.7	13	0	30.2	13	0	21.8	11	0	20.8	10	0
3	VL3033	NHIVT304	34.6	3	1	24.3	7	0	33.2	12	0	29.5	3	0	23.1	3	0
4	HPW504	NHIVT305	38.3	2	1	22.9	9	0	35.0	6	0	21.3	12	0	21.6	9	0
5	VL3036 ^M	NHIVT307	25.7	9	0	21.5	12	0	38.7	2	1	17.7	14	0	23.1	4	0
6	HS704	NHIVT308	28.8	6	0	24.9	6	0	33.7	11	0	24.6	5	0	20.1	11	0
7	HPW503	NHIVT309	34.4	4	0	22.5	11	0	35.8	4	0	24.3	7	0	18.6	12	0
8	VL3035	NHIVT310	23.7	12	0	25.7	3	0	34.9	8	0	23.3	8	0	17.9	14	0
9	HS705	NHIVT311	28.8	7	0	22.8	10	0	27.8	14	0	25.4	4	0	22.3	7	0
10	VL3034	NHIVT312	28.1	8	0	24.0	8	0	39.4	1	1	24.6	5	0	32.0	1	1
11	HPW505	NHIVT313	23.0	13	0	17.6	14	0	33.8	9	0	22.8	9	0	21.6	8	0
12	HS698	NHIVT314	25.5	10	0	29.1	1	1	33.8	10	0	19.7	13	0	23.1	5	0
13	HS490 (C)	NHIVT301	39.3	1	1	25.4	4	0	35.0	7	0	33.2	1	1	17.9	13	0
14	VL892 (C)	NHIVT306	33.2	5	0	25.1	5	0	38.5	3	1	22.6	10	0	22.4	6	0
G.M.			29.4			23.7			34.7			24.4			22.0		
S.E.(M)			1.674			0.868			0.474			0.762			1.540		
C.D. (10%)			4.8			2.5			1.4			2.2			4.4		
C.V.			11.4			7.3			2.7			6.2			14.0		
D.O.S.(dd.mm.yy)			01.12.23			08.12.23			07.12.23			08.12.23			04.12.23		

No. of Trials : Proposed = 07 Conducted = 07

Trial not conducted (00) = Nil

Trials not reported (02) = Gaja (LSM), Imphal (LS, LSM)

2313-IVT/AVT-LS-RI-TAS -NHZ, 2023-24
STATE AND ZONAL MEANS (q/ha)

SN	Variety	Code	H.P.			UTK			Zonal		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	VL3031	NHIVT302	28.1	10	0	26.9	2	1	27.6	6	0
2	HS703	NHIVT303	25.0	13	0	21.3	12	0	23.5	14	0
3	VL3033	NHIVT304	30.7	5	0	26.3	3	1	29.0	3	1
4	HPW504	NHIVT305	32.1	3	1	21.4	10	0	27.8	5	0
5	VL3036 ^M	NHIVT307	28.7	9	0	20.4	14	0	25.3	11	0
6	HS704	NHIVT308	29.2	8	0	22.3	7	0	26.4	8	0
7	HPW503	NHIVT309	30.9	4	0	21.5	9	0	27.1	7	0
8	VL3035	NHIVT310	28.1	11	0	20.6	13	0	25.1	12	0
9	HS705	NHIVT311	26.4	12	0	23.9	5	0	25.4	10	0
10	VL3034	NHIVT312	30.5	6	0	28.3	1	1	29.6	2	1
11	HPW505	NHIVT313	24.8	14	0	22.2	8	0	23.8	13	0
12	HS698	NHIVT314	29.5	7	0	21.4	11	0	26.2	9	0
13	HS490 (C)	NHIVT301	33.2	1	1	25.5	4	0	30.1	1	1
14	VL892 (C)	NHIVT306	32.3	2	1	22.5	6	0	28.4	4	0
G.M.			29.2			23.2			26.8		
S.E.(M)			0.648			0.859			0.519		
C.D. (10%)			1.5			2.0			1.2		

Summary of Disease Data and Agronomic Characteristics

Northern Hills Zone

Trial:IVT/AVT-LS-RI-TAS-NHZ, 2023-24

SN	Variety	Code	Disease Reaction			Agronomic Characteristics						Grain Characteristics	
			YI	Br	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	VL3031	NHIVT302	0	tS	1	69-138	114	121-170	152	68-96	81	32-51	44
2	HS703	NHIVT303	0	10MR	5	73-138	117	122-173	155	69-102	81	31-50	40
3	VL3033	NHIVT304	10S	0	1	66-138	110	122-166	149	67-88	79	36-49	42
4	HPW504	NHIVT305	0	0	2	63-133	107	121-166	149	62-88	79	33-48	41
5	VL3036 ^M	NHIVT307	0	0	2	63-132	109	122-166	149	67-94	77	29-49	39
6	HS704	NHIVT308	0	0	3	68-128	109	122-168	150	71-100	83	34-50	44
7	HPW503	NHIVT309	5S	5R	1	63-138	109	121-170	150	74-95	87	34-52	45
8	VL3035	NHIVT310	tS	5S	5	63-138	109	121-163	148	63-86	77	42-57	49
9	HS705	NHIVT311	20S	tS	1	66-133	112	122-170	151	65-102	81	40-52	46
10	VL3034	NHIVT312	tS	5S	3	69-139	113	122-167	150	63-109	81	35-45	40
11	HPW505	NHIVT313	5S	5S	4	67-138	110	121-166	150	75-103	86	35-49	41
12	HS698	NHIVT314	0	0	4	67-132	109	122-170	151	66-92	84	33-50	42
13	HS490 (C)	NHIVT301	0	tS	1	69-133	113	121-169	151	69-115	88	38-53	45
14	VL892 (C)	NHIVT306	0	10MR	2	65-132	108	121-165	149	57-100	81	31-47	38

1. Ancillary data from Almora, Bajaura, Imphal, Majhera, Malan, Ranichauri and Shimla.
2. Yellow rust data from Almora and Malan; 3. Brown rust data from Almora and Imphal.
4. Powdery mildew data from Almora, Imphal and Malan.

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Individual Station Rust Data

SN	Variety	Code	Yellow rust		Brown rust	
			Almora	Malan	Almora	Imphal
1	VL3031	NHIVT302	0	0	tS	0
2	HS703	NHIVT303	0	0	tS	10MR
3	VL3033	NHIVT304	10S	5S	0	0
4	HPW504	NHIVT305	0	0	0	0
5	VL3036 ^M	NHIVT307	0	0	0	0
6	HS704	NHIVT308	0	0	0	0
7	HPW503	NHIVT309	5S	0	0	5R
8	VL3035	NHIVT310	tS	0	5S	0
9	HS705	NHIVT311	20S	0	tS	0
10	VL3034	NHIVT312	tS	0	5S	5R
11	HPW505	NHIVT313	5S	0	5S	5R
12	HS698	NHIVT314	0	0	0	0
13	HS490 (C)	NHIVT301	0	0	tS	5R
14	VL892 (C)	NHIVT306	0	0	0	10MR