

**2108-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2021-22**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	CZ																	
			M.P.									Chhattisgarh		Rajasthan						
			Powarkheda			Indore			Sagar			Jabalpur			Bilaspur		Durgapura			
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	HI1677	N802	41.0	20	0	50.3	7	0	33.2	15	0	29.2	15	0	26.7	21	0	43.1	11	0
2	HI8844(d)	N803	50.0	6	0	50.9	5	1	34.4	12	0	36.6	7	0	26.2	22	0	44.4	7	0
3	HI8845(d)	N804	53.5	2	1	62.1	1	1	35.6	8	0	27.0	22	0	37.4	8	0	47.9	3	1
4	MP3562	N805	37.5	24	0	33.1	25	0	32.1	18	0	35.8	9	0	30.2	16	0	39.6	17	0
5	MACS6801	N807	45.1	12	0	42.5	20	0	35.6	7	0	36.4	8	0	30.9	15	0	47.2	4	1
6	MP1384	N808	53.5	4	1	49.7	8	0	26.2	22	0	28.4	17	0	29.4	17	0	36.8	18	0
7	DBW397	N809	51.4	5	1	44.6	17	0	26.0	23	0	27.3	20	0	34.6	9	0	44.4	7	0
8	NIAW4178	N810	46.5	8	0	50.4	6	0	27.4	21	0	37.9	5	0	32.9	12	0	40.3	16	0
9	GW1362(d)	N811	35.4	25	0	40.5	23	0	46.0	1	1	34.8	10	0	25.5	24	0	27.8	24	0
10	HI1679	N812	38.2	23	0	39.6	24	0	35.2	9	0	25.6	25	0	20.1	25	0	45.8	5	1
11	HI1678	N813	49.3	7	0	55.8	2	1	32.7	16	0	37.5	6	0	26.8	19	0	44.4	7	0
12	MACS6797	N814	46.5	10	0	43.6	19	0	32.1	17	0	32.9	13	0	26.7	20	0	49.3	1	1
13	DBW400	N815	43.8	17	0	49.1	10	0	25.5	24	0	28.6	16	0	34.5	10	0	42.4	14	0
14	MP1385	N817	42.4	18	0	44.9	16	0	43.0	4	0	25.7	24	0	32.2	13	0	41.0	15	0
15	UAS3024	N818	57.6	1	1	47.1	12	0	27.8	20	0	39.0	4	0	42.8	4	1	45.8	5	1
16	NIAW4172	N819	41.0	20	0	47.1	13	0	32.0	19	0	40.9	3	0	26.9	18	0	34.0	20	0
17	UAS481(d)	N820	45.1	12	0	42.1	21	0	35.7	6	0	32.2	14	0	32.0	14	0	26.4	25	0
18	CG1041	N821	45.8	11	0	46.6	14	0	34.9	11	0	27.6	19	0	43.4	3	1	47.9	2	1
19	GW539	N822	53.5	2	1	49.3	9	0	44.8	2	1	27.2	21	0	26.0	23	0	29.9	23	0
20	WSM253	N824	45.1	12	0	51.2	3	1	33.9	14	0	25.7	23	0	39.1	6	0	35.4	19	0
21	DDW61(d)	N825	44.4	15	0	41.4	22	0	20.5	25	0	27.9	18	0	34.2	11	0	30.6	22	0
22	DBW110(C)	N801	42.4	18	0	44.1	18	0	44.4	3	1	34.1	11	0	43.5	2	1	43.8	10	0
23	HI1605(C)	N806	46.5	8	0	48.8	11	0	35.1	10	0	33.9	12	0	44.3	1	1	43.1	11	0
24	HI8627(d)(C)	N816	44.4	15	0	51.0	4	1	42.2	5	0	45.1	2	1	39.4	5	0	43.1	11	0
25	UAS446(d)(C)	N823	39.6	22	0	46.4	15	0	34.3	13	0	45.4	1	1	39.0	7	0	31.3	21	0
G.M.			45.6			46.9			34.0			32.9			33.0			40.2		
S.E.(M)			3.034			4.270			1.111			1.793			1.867			1.676		
C.D. (10%)			7.3			10.3			2.7			4.4			4.6			4.1		
C.V.			9.4			12.9			4.6			7.7			8.0			5.9		
D.O.S.(dd.mm.yy)			03.11.21			03.11.21			05.11.21			03.11.21			30.10.21			05.11.21		

No. of Trials : Proposed = 20      Conducted = 20  
Trials not reported (03) = CZ : Junagadh (LSM)      PZ : Dharwad (RMT), Ugarkhurd (RMT)

2108-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2021-22  
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ									PZ								
			Rajasthan			Gujarat						Maharashtra								
			Udaipur			Vijapur			Dhandhuka			Niphad			Pune			Akola		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI1677	N802	64.1	8	1	20.2	25	0	23.0	22	0	36.2	4	0	27.8	22	0	25.5	23	0
2	HI8844(d)	N803	68.4	2	1	24.8	23	0	30.7	15	0	25.3	16	0	26.5	24	0	28.4	19	0
3	HI8845(d)	N804	64.5	7	1	30.9	19	0	32.6	8	0	28.2	14	0	27.2	23	0	42.8	2	1
4	MP3562	N805	51.0	24	0	37.2	12	0	26.7	19	0	21.9	22	0	25.4	25	0	25.9	22	0
5	MACS6801	N807	57.4	21	0	45.1	2	1	32.3	9	0	36.8	3	0	43.7	4	1	33.3	12	0
6	MP1384	N808	60.6	13	0	37.9	11	0	32.9	7	0	30.8	10	0	31.0	18	0	26.6	21	0
7	DBW397	N809	60.3	14	0	41.0	6	1	35.8	2	0	33.6	7	0	45.9	3	1	41.4	4	1
8	NIAW4178	N810	61.9	11	0	45.8	1	1	32.2	10	0	34.8	6	0	31.9	16	0	26.9	20	0
9	GW1362(d)	N811	61.8	12	0	31.1	18	0	48.5	1	1	30.2	11	0	30.5	19	0	34.1	11	0
10	HI1679	N812	59.9	16	0	24.7	24	0	21.1	25	0	16.7	24	0	27.8	21	0	23.8	24	0
11	HI1678	N813	58.1	18	0	29.9	20	0	28.7	16	0	23.4	20	0	35.6	13	0	23.1	25	0
12	MACS6797	N814	63.4	9	1	26.1	21	0	31.7	12	0	20.3	23	0	35.8	11	0	31.4	16	0
13	DBW400	N815	57.3	22	0	36.9	13	0	31.2	14	0	13.7	25	0	41.6	7	0	33.2	13	0
14	MP1385	N817	67.2	3	1	40.8	8	1	35.3	4	0	31.4	9	0	46.1	2	1	29.2	18	0
15	UAS3024	N818	51.9	23	0	41.0	7	1	31.9	11	0	36.1	5	0	42.1	6	0	38.2	7	0
16	NIAW4172	N819	57.7	20	0	39.3	10	0	26.7	20	0	24.5	17	0	37.2	9	0	30.1	17	0
17	UAS481(d)	N820	65.7	5	1	25.9	22	0	26.7	21	0	24.3	18	0	32.8	15	0	36.1	9	0
18	CG1041	N821	58.0	19	0	42.7	5	1	21.6	24	0	29.3	13	0	35.6	12	0	42.3	3	1
19	GW539	N822	45.0	25	0	43.1	4	1	34.0	6	0	28.0	15	0	36.1	10	0	36.6	8	0
20	WSM253	N824	66.3	4	1	35.0	14	0	35.1	5	0	29.8	12	0	41.0	8	0	42.9	1	1
21	DDW61(d)	N825	62.1	10	1	32.9	17	0	28.3	17	0	31.6	8	0	33.7	14	0	35.6	10	0
22	DBW110(C)	N801	69.8	1	1	44.0	3	1	35.7	3	0	44.9	1	1	42.7	5	0	39.9	6	1
23	HI1605(C)	N806	64.7	6	1	39.9	9	1	31.6	13	0	37.3	2	0	47.5	1	1	31.8	15	0
24	HI8627(d)(C)	N816	60.3	15	0	33.3	16	0	27.5	18	0	23.1	21	0	30.3	20	0	40.4	5	1
25	UAS446(d)(C)	N823	59.0	17	0	33.7	15	0	22.0	23	0	23.9	19	0	31.6	17	0	32.3	14	0
G.M.			60.7			35.3			30.6			28.6			35.5			33.3		
S.E.(M)			3.184			2.586			1.179			2.529			1.660			2.051		
C.D. (10%)			7.9			6.3			2.9			6.1			4.1			5.0		
C.V.			7.4			10.4			5.5			12.5			6.6			8.7		
D.O.S.(dd.mm.yy)			30.10.21			03.11.21			02.11.21			30.10.21			27.10.21			03.11.21		

## 2108-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2021-22

## LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	PZ														
			Maharashtra						Karnataka								
			Parbhani			Savalvahir			Bailhongal		Bagalkot		Nippani				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	HI1677	N802	33.1	15	0	27.0	19	0	18.7	25	0	17.3	25	0	13.8	24	0
2	HI8844(d)	N803	27.5	21	0	26.7	20	0	23.7	18	0	19.9	23	0	21.5	22	0
3	HI8845(d)	N804	33.0	17	0	23.1	21	0	22.6	19	0	28.1	16	0	13.6	25	0
4	MP3562	N805	21.4	25	0	27.5	17	0	25.5	15	0	20.3	22	0	32.2	11	0
5	MACS6801	N807	39.9	4	0	41.0	1	1	36.9	5	1	37.3	5	0	31.4	16	0
6	MP1384	N808	28.6	20	0	33.6	11	0	33.6	8	0	26.4	19	0	31.9	13	0
7	DBW397	N809	44.8	3	1	34.6	9	0	40.2	1	1	38.3	4	0	35.5	8	1
8	NIAW4178	N810	36.3	9	0	38.8	5	1	39.6	2	1	29.2	13	0	31.5	14	0
9	GW1362(d)	N811	23.0	24	0	22.5	22	0	20.4	21	0	32.4	10	0	43.0	1	1
10	HI1679	N812	35.3	11	0	34.4	10	0	19.2	23	0	25.9	20	0	38.6	5	1
11	HI1678	N813	30.5	19	0	40.7	2	1	25.0	16	0	22.4	21	0	28.8	20	0
12	MACS6797	N814	32.0	18	0	33.0	13	0	30.6	11	0	18.6	24	0	22.6	21	0
13	DBW400	N815	26.3	22	0	32.0	14	0	24.1	17	0	42.2	2	1	39.3	4	1
14	MP1385	N817	37.6	8	0	40.3	3	1	22.4	20	0	44.8	1	1	32.0	12	0
15	UAS3024	N818	33.0	16	0	39.5	4	1	35.2	6	1	36.2	7	0	33.1	10	0
16	NIAW4172	N819	34.1	13	0	36.2	8	1	27.7	13	0	34.8	9	0	37.1	6	1
17	UAS481(d)	N820	38.8	6	0	20.8	25	0	19.6	22	0	27.8	18	0	42.6	2	1
18	CG1041	N821	39.3	5	0	32.0	15	0	30.8	10	0	36.2	6	0	31.5	15	0
19	GW539	N822	33.4	14	0	36.6	7	1	27.5	14	0	28.0	17	0	40.5	3	1
20	WSM253	N824	47.9	1	1	27.2	18	0	34.1	7	0	35.6	8	0	30.3	17	0
21	DDW61(d)	N825	35.3	10	0	30.5	16	0	29.6	12	0	28.8	14	0	17.6	23	0
22	DBW110(C)	N801	34.9	12	0	37.5	6	1	37.2	4	1	39.2	3	0	28.9	19	0
23	HI1605(C)	N806	47.1	2	1	33.4	12	0	38.9	3	1	29.9	12	0	35.6	7	1
24	HI8627(d)(C)	N816	25.6	23	0	21.4	24	0	32.0	9	0	28.6	15	0	33.3	9	0
25	UAS446(d)(C)	N823	37.7	7	0	22.3	23	0	18.7	24	0	30.0	11	0	29.5	18	0
G.M.			34.3			31.7			28.6			30.3			31.0		
S.E.(M)			2.484			2.440			2.076			1.520			3.086		
C.D. (10%)			6.1			6.0			5.1			3.8			7.6		
C.V.			10.3			10.9			10.3			7.1			14.1		
D.O.S.(dd.mm.yy)			03.11.21			01.11.21			26.10.21			30.10.21			05.11.21		

## 2108-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2021-22

## ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI1677	N802	36.7	22	0	24.9	25	0	31.2	24	0
2	HI8844(d)	N803	40.7	11	0	24.9	24	0	33.3	21	0
3	HI8845(d)	N804	43.5	2	1	27.3	22	0	35.9	12	0
4	MP3562	N805	35.9	23	0	25.0	23	0	30.8	25	0
5	MACS6801	N807	41.4	7	0	37.5	4	1	39.6	5	0
6	MP1384	N808	39.5	14	0	30.3	15	0	35.2	15	0
7	DBW397	N809	40.6	12	0	39.3	1	1	40.0	3	0
8	NIAW4178	N810	41.7	6	0	33.6	9	0	37.9	9	0
9	GW1362(d)	N811	39.0	17	0	29.5	16	0	34.6	17	0
10	HI1679	N812	34.5	25	0	27.7	21	0	31.3	23	0
11	HI1678	N813	40.4	13	0	28.7	18	0	34.9	16	0
12	MACS6797	N814	39.2	16	0	28.0	20	0	33.9	19	0
13	DBW400	N815	38.8	19	0	31.5	12	0	35.4	14	0
14	MP1385	N817	41.4	8	0	35.5	7	0	38.6	6	0
15	UAS3024	N818	42.8	5	1	36.7	5	0	39.9	4	0
16	NIAW4172	N819	38.4	20	0	32.7	11	0	35.7	13	0
17	UAS481(d)	N820	36.9	21	0	30.3	13	0	33.8	20	0
18	CG1041	N821	41.0	9	0	34.6	8	0	38.0	8	0
19	GW539	N822	39.2	15	0	33.3	10	0	36.4	11	0
20	WSM253	N824	40.7	10	0	36.1	6	0	38.6	7	0
21	DDW61(d)	N825	35.8	24	0	30.3	14	0	33.2	22	0
22	DBW110(C)	N801	44.6	1	1	38.1	2	1	41.6	1	1
23	HI1605(C)	N806	43.1	3	1	37.7	3	1	40.6	2	1
24	HI8627(d)(C)	N816	42.9	4	1	29.3	17	0	36.5	10	0
25	UAS446(d)(C)	N823	39.0	18	0	28.2	19	0	33.9	18	0
G.M.			39.9			31.7			36.0		
S.E.(M)			0.834			0.806			0.550		
C.D. (10%)			2.0			1.9			1.3		

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT 5B-RI-TS-TDM, 2021-22

SN	Variety	Code	Disease Reaction		Agronomic Characteristics								
			Br	Bl	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	TGW.R	TGW.M
1	HI1677	N802	0	0	45-85	59	99-130	119	56-96	75	10	38-48	46
2	HI8844(d)	N803	0	0	58-86	69	110-135	123	65-97	79	0	39-64	48
3	HI 8845(d)	N804	0	0	61-85	72	112-133	123	73-97	85	15	36-49	50
4	MP3562	N805	0	0	52-98	65	102-133	120	62-91	76	0	34-48	47
5	MACS6801	N807	0	0	57-93	69	105-131	122	65-98	80	0	38-48	41
6	MP1384	N808	0	0	50-89	64	103-130	121	61-99	79	0	35-47	47
7	DBW397	N809	10MR	0	60-95	76	109-136	128	71-105	86	0	37-49	43
8	NIAW4178	N810	0	0	50-84	62	101-125	118	63-103	80	0	42-54	49
9	GW1362(d)	N811	0	0	58-87	66	107-131	120	69-111	87	10	42-58	55
10	HI1679	N812	0	0	45-86	58	103-131	120	61-103	80	0	33-44	46
11	HI1678	N813	0	0	46-84	60	100-130	117	57-101	79	0	36-49	47
12	MACS6797	N814	0	0	53-88	66	100-129	120	70-117	95	0	41-58	41
13	DBW400	N815	0	0	62-90	73	111-137	126	68-108	86	0	38-49	46
14	MP1385	N817	tR	0	58-90	70	103-128	121	66-101	82	0	35-49	49
15	UAS3024	N818	0	0	58-91	69	105-131	122	72-107	91	0	39-49	47
16	NIAW4172	N819	0	0	52-90	63	102-131	119	65-99	83	0	43-54	47
17	UAS481(d)	N820	0	0	68-99	79	113-136	126	65-102	80	0	30-49	44
18	CG1041	N821	5R	tR	60-96	75	100-135	124	75-114	99	0	40-51	48
19	GW539	N822	0	0	59-91	72	106-132	123	62-93	79	0	32-46	45
20	WSM253	N824	10MR	0	64-99	77	117-138	130	82-129	110	30	33-45	43
21	DDW61(d)	N825	0	0	63-86	74	110-135	123	61-94	76	0	35-50	46
22	DBW 110 (C)	N801	0	0	60-98	75	106-131	123	67-105	85	0	33-56	44
23	HI1605(C)	N806	0	0	57-90	68	103-129	121	69-107	89	0	33-45	48
24	HI8627(d)(C)	N816	0	0	68-95	80	115-138	129	78-106	89	0	38-54	44
25	UAS446 (d)(C)	N823	0	0	61-93	73	109-185	129	70-100	80	0	32-51	42

1. Ancillary data from Bilaspur, Dhandhuka, Indore, Jablapur, Sagar, Powerkheda, Junagardh, Vijapur, Udaipur and Durgapura
2. Brown rust data from Junagadh and Vijapur. Black rust data from Junagadh.
3. Data on lodging from Udaipur and Vijapur.

**NIVT 5B-RI-TS-TDM, 2021-22**  
**Central Zone**  
**Individual Station Brown Rust Data**

SN	Variety	Code	Brown Rust	
			Junagadh	Vijapur
1	HI1677	N802	0	0
2	HI8844(d)	N803	0	0
3	HI 8845(d)	N804	0	0
4	MP3562	N805	0	0
5	MACS6801	N807	0	0
6	MP1384	N808	0	0
7	DBW397	N809	0	10MR
8	NIAW4178	N810	0	0
9	GW1362(d)	N811	0	0
10	HI1679	N812	0	0
11	HI1678	N813	0	0
12	MACS6797	N814	0	0
13	DBW400	N815	0	0
14	MP1385	N817	tR	0
15	UAS3024	N818	0	0
16	NIAW4172	N819	0	0
17	UAS481(d)	N820	0	0
18	CG1041	N821	5R	0
19	GW539	N822	0	0
20	WSM253	N824	10MR	0
21	DDW61(d)	N825	0	0
22	DBW 110 (C)	N801	0	0
23	HI1605(C)	N806	0	0
24	HI8627(d)(C)	N816	0	0
25	UAS446 (d)(C)	N823	0	0

## Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT 5B-RI-TS-TDM, 2021-22

SN	Variety	Code	Brown Rust		Agronomic Characteristics						
			HS	ACI	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	HI1677	N802	0	0.0	49-59	59	96-121	103	53-78	33-44	41
2	HI8844(d)	N803	0	0.0	59-74	59	100-128	105	65-81	39-47	45
3	HI 8845(d)	N804	0	0.0	60-76	58	107-131	103	68-90	35-44	46
4	MP3562	N805	10MS	5.6	51-61	64	98-123	107	66-81	37-40	44
5	MACS6801	N807	tMS	0.3	53-65	59	100-124	106	65-85	35-46	37
6	MP1384	N808	10S	4.7	53-61	62	97-123	105	54-80	33-46	40
7	DBW397	N809	20S	10.3	58-70	67	108-125	111	71-88	36-47	40
8	NIAW4178	N810	tMS	0.3	52-61	62	97-122	106	55-79	39-47	44
9	GW1362(d)	N811	0	0.0	58-73	59	109-126	104	66-104	38-58	49
10	HI1679	N812	0	0.0	46-56	59	95-122	103	54-75	33-44	41
11	HI1678	N813	0	0.0	46-59	61	96-122	107	57-74	31-45	41
12	MACS6797	N814	0	0.0	48-63	63	98-122	106	62-107	32-50	38
13	DBW400	N815	0	0.0	50-69	57	103-126	102	68-89	37-43	42
14	MP1385	N817	20S	8.2	57-66	59	104-125	104	68-88	37-45	46
15	UAS3024	N818	10S	4.7	53-65	61	104-124	104	71-90	35-44	43
16	NIAW4172	N819	0	0.0	46-62	61	96-122	104	66-79	35-48	41
17	UAS481(d)	N820	0	0.0	58-79	64	106-130	109	70-83	32-41	40
18	CG1041	N821	40S	30.0	60-75	69	108-128	109	79-100	35-50	43
19	GW539	N822	10S	4.7	57-68	64	103-126	108	64-80	36-43	42
20	WSM253	N824	10S	6.7	55-75	64	106-134	109	70-117	36-47	41
21	DDW61(d)	N825	0	0.0	58-78	71	107-130	114	65-87	37-52	43
22	DBW 110 (C)	N801	5MS	1.3	58-73	64	109-126	108	73-90	34-48	38
23	HI1605(C)	N806	20S	10.0	53-66	58	98-123	103	71-97	37-43	43
24	HI8627(d)(C)	N816	0	0.0	50-87	58	102-131	104	68-89	35-50	41
25	UAS446 (d)(C)	N823	0	0.0	52-75	62	97-129	106	68-87	35-44	41

1. Ancillary data Akola, Pune, Niphad, Parbhani, Savalvihir, Bailhongal, Nipani and Bagalkot
2. Data on Lodging from Savalvihir only.
3. Brown Rust data from Bailhongal, Nipani and Bagalkot.

**NIVT 5B-RI-TS-TDM, 2021-22**  
**Peninsular Zone**  
**Individual Station Brown Rust Data**

SN	Variety	Code	Brown Rust		
			Bagalkot	Bailhongal	Nipani
1	HI1677	N802	0	0	0
2	HI8844(d)	N803	0	0	0
3	HI 8845(d)	N804	0	0	0
4	MP3562	N805	tMS	10MS	10MS
5	MACS6801	N807	tMS	0	0
6	MP1384	N808	5MS	10S	0
7	DBW397	N809	10S	20S	tMS
8	NIAW4178	N810	tMS	0	0
9	GW1362(d)	N811	0	0	0
10	HI1679	N812	0	0	0
11	HI1678	N813	0	0	0
12	MACS6797	N814	0	0	0
13	DBW400	N815	0	0	0
14	MP1385	N817	5MS	20S	tMS
15	UAS3024	N818	5MS	10S	0
16	NIAW4172	N819	0	0	0
17	UAS481(d)	N820	0	0	0
18	CG1041	N821	10S	40S	40S
19	GW539	N822	5MS	10S	0
20	WSM253	N824	10S	10S	0
21	DDW61(d)	N825	0	0	0
22	DBW 110 (C)	N801	5MS	0	0
23	HI1605(C)	N806	10S	20S	0
24	HI8627(d)(C)	N816	0	0	0
25	UAS446 (d)(C)	N823	0	0	0