

## 2006-NIVT-4-IR-TS-TDM-NAT-ZONE, 2020-21

## LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ																	
			M.P.						Gujarat				Rajasthan							
			Powarkheda			Indore			Jabalpur		Junagadh		Vijapur		Kota					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	HI8835	N602	48.6	22	0	61.7	1	1	59.9	8	0	61.3	17	0	45.1	24	0	79.3	9	1
2	DDW57	N603	59.0	10	0	56.6	7	1	68.6	2	1	74.2	2	1	65.4	1	1	75.7	14	0
3	PDW361	N604	55.6	13	0	47.1	20	0	48.1	22	0	57.8	23	0	53.1	16	0	67.5	16	0
4	MACS4111	N605	54.9	15	0	45.9	21	0	60.2	7	0	58.5	22	0	56.7	12	1	83.0	6	1
5	GW1357	N606	49.3	20	0	43.7	23	0	47.5	23	0	60.1	20	0	57.2	11	1	87.2	2	1
6	MPO1383	N609	51.3	17	0	50.0	17	0	50.5	18	0	61.3	16	0	50.9	19	0	73.7	15	0
7	MPO1382	N610	50.7	18	0	54.1	9	0	51.6	17	0	66.3	7	0	53.1	17	0	90.1	1	1
8	NIDW1399	N611	61.3	6	1	51.9	15	0	55.2	13	0	67.1	5	0	58.3	9	1	66.3	17	0
9	NIDW1405	N612	59.4	9	0	51.3	16	0	49.3	20	0	65.5	9	0	54.6	15	0	56.2	25	0
10	PWU10	N613	55.2	14	0	56.7	6	1	52.5	16	0	69.7	3	1	60.2	4	1	63.5	19	0
11	UAS476	N614	50.3	19	0	52.2	13	0	58.8	10	0	64.0	11	0	47.0	23	0	63.5	19	0
12	MPO1381	N615	56.3	12	0	54.0	10	0	49.4	19	0	69.3	4	1	50.5	20	0	78.7	10	0
13	UAS477	N616	47.8	23	0	45.3	22	0	64.0	5	1	62.6	13	0	45.1	25	0	59.6	24	0
14	WHD966	N617	57.6	11	0	41.3	24	0	45.1	25	0	59.4	21	0	47.1	22	0	86.7	3	1
15	MACS4110	N618	61.1	7	1	47.5	19	0	61.5	6	0	60.2	19	0	60.9	3	1	62.2	22	0
16	HI8838	N619	46.2	24	0	53.4	11	0	58.0	11	0	60.8	18	0	60.0	6	1	76.5	12	0
17	HI8837	N620	59.7	8	0	58.3	3	1	64.5	4	1	54.7	25	0	58.6	8	1	77.3	11	0
18	GW1358	N621	43.4	25	0	40.0	25	0	53.9	14	0	56.0	24	0	50.2	21	0	62.5	21	0
19	PBND1625-01	N622	61.3	4	1	53.3	12	0	49.0	21	0	65.6	8	0	55.6	13	0	62.2	23	0
20	HI8834	N623	63.3	2	1	49.0	18	0	57.6	12	0	63.5	12	0	61.1	2	1	81.8	7	1
21	HI8836	N624	51.9	16	0	59.2	2	1	68.8	1	1	62.3	14	0	60.1	5	1	76.4	13	0
22	DDW56	N625	63.2	3	1	52.1	14	0	52.7	15	0	62.1	15	0	54.6	14	0	65.1	18	0
23	MACS3949 (C)	N601	61.3	5	1	56.7	5	1	45.7	24	0	64.7	10	0	52.2	18	0	83.3	5	1
24	HI8737 (C)	N607	48.9	21	0	56.9	4	1	59.3	9	0	66.9	6	0	60.0	7	1	83.4	4	1
25	HI8713 (C)	N608	64.6	1	1	55.7	8	1	66.1	3	1	74.9	1	1	58.2	10	1	79.7	8	1
G.M.			55.3			51.8			55.9			63.5			55.0			73.6		
S.E.(M)			1.651			3.313			2.473			3.137			3.651			4.503		
C.D. (10%)			4.0			8.0			6.1			7.6			9.0			11.1		
C.V.			4.2			9.1			6.3			7.0			9.4			8.6		
D.O.S.(dd.mm.yy)			13.11.20			17.11.20			20.11.20			10.11.20			20.11.20			18.11.20		

No. of Trials : Proposed = 17 Conducted = 17

Trials not reported (06) = Bilaspur (RMT), Kolhapur (RMT), Sagar (LSM), SK Nagar (LSM), Niphad (LSM), Akola (LSM)

## 2006-NIVT-4-IR-TS-TDM-NAT-ZONE, 2020-21

## LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ			PZ											
			Rajasthan			Karnataka						Maharashtra					
			Udaipur			Dharwad		Ugar-Khurd		Nippani		Pune					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	HI8835	N602	71.5	3	1	55.3	3	1	51.0	1	1	51.7	10	1	28.7	25	0
2	DDW57	N603	63.6	7	0	49.1	13	0	44.6	12	1	56.5	7	1	56.0	1	1
3	PDW361	N604	68.6	4	1	46.4	19	0	48.2	5	1	50.0	13	0	45.8	9	0
4	MACS4111	N605	56.1	19	0	53.4	8	0	37.8	22	0	41.4	24	0	41.1	20	0
5	GW1357	N606	57.7	17	0	54.3	6	1	26.3	25	0	46.9	20	0	43.3	15	0
6	MPO1383	N609	58.7	13	0	51.7	11	0	43.6	13	1	59.3	2	1	34.0	23	0
7	MPO1382	N610	51.7	23	0	48.4	14	0	38.8	20	0	56.8	6	1	42.9	17	0
8	NIDW1399	N611	54.9	21	0	44.8	21	0	48.4	3	1	50.3	12	0	44.4	13	0
9	NIDW1405	N612	61.2	11	0	52.7	9	0	45.2	10	1	47.2	19	0	45.5	10	0
10	PWU10	N613	67.8	5	1	42.4	22	0	44.7	11	1	48.5	18	0	45.5	11	0
11	UAS476	N614	55.0	20	0	55.0	4	1	48.6	2	1	55.7	8	1	42.1	19	0
12	MPO1381	N615	57.9	16	0	54.5	5	1	47.6	6	1	49.6	14	0	45.4	12	0
13	UAS477	N616	58.6	14	0	40.4	25	0	35.1	23	0	45.7	21	0	43.4	14	0
14	WHD966	N617	53.6	22	0	52.3	10	0	32.9	24	0	42.1	23	0	47.7	6	0
15	MACS4110	N618	72.6	2	1	47.3	15	0	40.5	17	1	40.2	25	0	47.8	5	0
16	HI8838	N619	62.1	8	0	47.1	16	0	40.3	18	0	58.3	4	1	34.1	22	0
17	HI8837	N620	57.6	18	0	46.6	17	0	39.9	19	0	60.3	1	1	43.1	16	0
18	GW1358	N621	50.4	24	0	41.0	24	0	38.3	21	0	44.0	22	0	34.9	21	0
19	PBND1625-01	N622	62.0	9	0	54.0	7	1	41.9	16	1	49.3	16	0	49.3	3	0
20	HI8834	N623	64.2	6	0	42.1	23	0	43.4	14	1	50.6	11	0	48.6	4	0
21	HI8836	N624	49.4	25	0	46.5	18	0	45.2	9	1	49.6	14	0	42.4	18	0
22	DDW56	N625	59.4	12	0	58.1	2	1	45.3	7	1	48.6	17	0	46.5	7	0
23	MACS3949 (C)	N601	61.3	10	0	46.0	20	0	45.3	8	1	54.7	9	1	50.9	2	0
24	HI8737 (C)	N607	58.6	15	0	50.6	12	0	48.3	4	1	59.2	3	1	30.4	24	0
25	HI8713 (C)	N608	74.3	1	1	63.4	1	1	42.3	15	1	58.1	5	1	46.3	8	0
G.M.			60.4			49.7			42.5			51.0			43.2		
S.E.(M)			3.060			4.491			3.637			4.447			1.650		
C.D. (10%)			7.6			10.9			8.8			10.8			4.1		
C.V.			7.2			12.8			12.1			12.3			5.4		
D.O.S.(dd.mm.yy)			13.11.20			15.11.20			12.11.20			15.11.20			08.11.20		

2006-NIVT-4-IR-TS-TDM-NAT-ZONE, 2020-21

ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI8835	N602	61.0	7	0	46.7	15	0	55.8	7	0
2	DDW57	N603	66.2	2	1	51.6	2	1	60.9	2	1
3	PDW361	N604	56.8	19	0	47.6	9	0	53.5	19	0
4	MACS4111	N605	59.3	14	0	43.4	22	0	53.6	18	0
5	GW1357	N606	57.5	18	0	42.7	23	0	52.1	22	0
6	MPO1383	N609	56.6	21	0	47.2	11	0	53.2	21	0
7	MPO1382	N610	59.6	11	0	46.7	14	0	54.9	12	0
8	NIDW1399	N611	59.3	15	0	47.0	13	0	54.8	14	0
9	NIDW1405	N612	56.8	20	0	47.7	8	0	53.5	20	0
10	PWU10	N613	60.8	9	0	45.3	18	0	55.1	11	0
11	UAS476	N614	55.8	22	0	50.4	3	1	53.8	17	0
12	MPO1381	N615	59.4	13	0	49.3	5	1	55.7	8	0
13	UAS477	N616	54.7	24	0	41.2	24	0	49.8	24	0
14	WHD966	N617	55.8	23	0	43.7	21	0	51.4	23	0
15	MACS4110	N618	60.9	8	0	44.0	20	0	54.7	15	0
16	HI8838	N619	59.6	12	0	44.9	19	0	54.3	16	0
17	HI8837	N620	61.5	5	0	47.5	10	0	56.4	6	0
18	GW1358	N621	50.9	25	0	39.6	25	0	46.8	25	0
19	PBND1625-01	N622	58.4	17	0	48.6	7	1	54.9	13	0
20	HI8834	N623	62.9	3	0	46.2	16	0	56.8	3	0
21	HI8836	N624	61.2	6	0	45.9	17	0	55.6	9	0
22	DDW56	N625	58.5	16	0	49.6	4	1	55.3	10	0
23	MACS3949 (C)	N601	60.8	10	0	49.2	6	1	56.6	5	0
24	HI8737 (C)	N607	62.0	4	0	47.1	12	0	56.6	4	0
25	HI8713 (C)	N608	67.6	1	1	52.5	1	1	62.1	1	1
G.M.			59.4			46.6			54.7		
S.E.(M)			1.217			1.869			1.031		
C.D. (10%)			2.8			4.4			2.4		

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-4-IR-TS-TDM, 2020-21

S.N	Variety	Code	Disease		Agronomic Characteristics								Grain Characteristics			
			Br	Bl	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HI8835	N-602	tR	tR	55-82	66	105-132	118	73-108	91	25	M	A	H	40-53	48
2	DDW57	N-603	tR	tR	65-81	71	106-131	119	66-101	85	0	H	A	H	45-55	50
3	PDW361	N-604	5MR	tMS	65-85	73	112-138	122	67-106	87	0	M	A	H	43-53	48
4	MACS4111	N-605	tR	tMR	65-83	70	109-134	122	74-104	85	0	M	A	H	40-56	50
5	GW1357	N-606	tMR	tR	68-82	74	114-132	123	68-102	85	0	M	A	H	48-58	51
6	MPO1383	N-609	0	0	60-85	67	110-138	120	68-107	85	0	M	A	SH	46-62	55
7	MPO1382	N-610	5MR	tMS	65-84	71	113-137	122	75-105	90	0	M	A	H	47-56	51
8	NIDW1399	N-611	5R	tR	60-83	67	106-136	120	72-106	92	10	M	A	H	42-55	52
9	NIDW1405	N-612	10R	tR	63-80	68	108-132	120	74-110	89	0	M	A	SH	48-56	52
10	PWU10	N-613	tMR	tR	64-80	73	104-133	120	75-111	92	5	M	A	SH	41-56	49
11	UAS476	N-614	tR	0	65-81	71	113-131	121	79-107	91	10	M	A	H	43-63	56
12	MPO1381	N-615	tR	tR	65-82	71	112-132	121	73-109	90	10	M	A	H	47-55	52
13	UAS477	N-616	10MR	tR	72-87	78	102-132	122	73-109	93	10	M	A	H	33-57	45
14	WHD966	N-617	0	tR	70-83	76	112-136	124	75-115	92	0	M	A	H	42-55	49
15	MACS4110	N-618	10MR	tMR	65-84	72	103-135	119	75-117	92	5	M	A	H	40-56	48
16	HI8838	N-619	0	tR	54-85	65	108-139	120	70-112	92	15	H	A	H	42-58	49
17	HI8837	N-620	tR	tMS	61-83	67	105-134	120	68-114	86	0	H	A	H	48-58	53
18	GW1358	N-621	tR	tR	60-81	68	111-134	121	65-110	87	0	M	A	H	42-62	52
19	PBND1625-01	N-622	0	0	62-81	70	109-133	121	83-116	103	20	M	A	H	41-58	51
20	HI8834	N-623	tR	tMS	61-83	68	106-135	121	75-105	90	0	H	A	H	45-57	51
21	HI8836	N-624	tR	tR	58-84	68	108-136	121	68-106	84	0	M	A	SH	46-55	50
22	DDW56	N-625	0	tR	57-85	66	106-139	119	72-102	86	0	M	A	H	44-58	53
23	MACS3949 (C)	N-601	0	0	66-84	73	114-135	123	63-110	87	0	M	A	H	40-59	50
24	HI8737 (C)	N-607	0	tMR	63-82	69	104-133	120	70-103	85	0	M	A	H	41-55	48
25	HI8713 (C)	N-608	tR	tR	67-84	75	104-136	121	73-108	93	10	H	A	H	41-54	48

1. Ancillary data from Indore, Jabalpur, Junagadh, Kota, Powarkheda, Udaipur and Vijapur centers
2. Incidence of Brown rust reported from Junagadh & Vijapur and Black rust reported from Vijapur centre only
3. Lodging data reported from Jabalpur, Junagadh, Udaipur and Vijapur centre.

**NIVT-4-IR-TS-TDM, 2020-2021**  
**Central Zone**  
**Individual Station Rust Data**

S.N.	Variety	Code	Brown Rust	
			Junagadh	Vijapur
1	HI 8835	N-602	tR	0
2	DDW 57	N-603	tR	0
3	PDW 361	N-604	5MR	tR
4	MACS 4111	N-605	tR	0
5	GW 1357	N-606	tMR	0
6	MPO 1383	N-609	0	0
7	MPO 1382	N-610	5R	tMR
8	NIDW 1399	N-611	5R	0
9	NIDW 1405	N-612	10R	0
10	PWU 10	N-613	tMR	tR
11	UAS 476	N-614	tR	0
12	MPO 1381	N-615	tR	0
13	UAS 477	N-616	10MR	0
14	WHD 966	N-617	0	0
15	MACS 4110	N-618	10MR	0
16	HI 8838	N-619	0	0
17	HI 8837	N-620	0	tR
18	GW 1358	N-621	tR	0
19	PBND1625-01	N-622	0	0
20	HI 8834	N-623	0	tR
21	HI 8836	N-624	tR	0
22	DDW 56	N-625	0	0
23	MACS 3949 (C)	N-601	0	0
24	HI 8737 (C)	N-607	0	0
25	HI 8713 (C)	N-608	tR	tR

## Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-4-IR-TS-TDM, 2020-21

S.N.	Variety	Code	LB	Agronomic Characteristics								Grain Characteristics			
				Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	HI8835	N-602	12	57-61	60	101-118	108	81-95	89	50	Ey	A	H	34-49	46
2	DDW57	N-603	24	60-69	65	110-122	114	66-89	76	20	Ey	A	H	45-52	49
3	PDW361	N-604	12	60-72	65	108-122	114	51-88	78	15	Ey	A	H	44-52	47
4	MACS4111	N-605	24	61-72	68	112-122	115	69-93	80	0	M	A	H	44-49	47
5	GW1357	N-606	24	65-74	71	114-125	118	69-100	84	20	M	A	H	44-49	48
6	MPO1383	N-609	12	57-65	62	108-118	111	68-94	81	50	Ey	A	H	47-55	50
7	MPO1382	N-610	24	59-69	65	109-121	113	69-96	85	10	Ey	A	H	45-54	50
8	NIDW1399	N-611	12	57-70	63	99-120	111	71-107	89	50	Ey	A	H	46-53	49
9	NIDW1405	N-612	00	59-67	63	104-122	112	70-93	83	60	M	A	H	44-55	48
10	PWU10	N-613	12	62-73	68	111-117	115	71-102	86	25	Ey	A	H	43-52	46
11	UAS476	N-614	12	63-71	67	108-120	113	75-97	86	30	Ey	A	H	44-60	50
12	MPO1381	N-615	24	63-69	66	109-122	113	71-95	85	40	M	A	H	49-57	52
13	UAS477	N-616	24	64-76	71	112-127	117	74-94	84	0	M	A	H	38-50	40
14	WHD966	N-617	24	63-74	71	113-123	116	68-102	88	0	M	A	H	42-54	46
15	MACS4110	N-618	12	64-69	67	108-122	114	71-103	85	20	Ey	A	H	43-56	46
16	HI8838	N-619	24	56-66	60	99-119	109	78-107	92	30	Ey	A	H	37-53	48
17	HI8837	N-620	24	57-65	61	99-117	109	72-103	84	0	Ey	A	H	48-58	52
18	GW1358	N-621	00	59-66	63	104-123	112	69-91	80	0	M	A	H	48-54	51
19	PBND1625-01	N-622	24	61-69	65	109-119	112	87-98	93	30	M	A	H	47-52	50
20	HI8834	N-623	12	57-64	61	99-118	109	71-93	84	40	Ey	A	H	46-55	50
21	HI8836	N-624	12	59-66	62	105-120	111	68-91	79	30	Ey	A	H	45-49	48
22	DDW56	N-625	12	58-66	62	103-118	110	72-101	85	20	M	A	H	48-56	53
23	MACS3949 (C)	N-601	12	62-73	66	108-120	112	71-95	80	40	M	A	H	41-56	46
24	HI8737 (C)	N-607	12	61-71	67	108-121	113	71-107	89	20	M	A	H	35-50	46
25	HI8713 (C)	N-608	36	64-74	70	113-123	116	75-100	85	20	Ey	A	H	42-53	45

1. Ancillary data from Pune Niphad, Dharwad, Nippani and Ugar.
2. Incidence of leaf blight reported from Dharwad centre only.
3. Lodging data reported from Pune centre only.