

2106-NIVT-4-IR-TS-TDM-NAT-ZONE, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ														
			M.P.									Gujarat					
			Powarkheda			Indore			Sagar			Jabalpur			Junagadh		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	GW1360	N602	56.3	8	1	58.8	10	1	55.5	4	0	74.5	15	0	68.3	5	1
2	MPO1389	N603	42.4	24	0	52.3	20	0	38.1	24	0	83.5	8	0	38.4	25	0
3	HI8842	N604	45.1	21	0	56.0	14	1	49.8	16	0	73.6	16	0	65.4	8	1
4	NIDW1485	N605	56.3	8	1	50.9	22	0	47.1	19	0	65.4	23	0	64.4	9	1
5	HI8843	N606	47.9	17	0	54.2	18	0	49.4	17	0	84.2	7	1	63.2	13	0
6	PWU19	N607	45.1	21	0	49.6	23	0	53.7	5	0	72.1	17	0	66.7	6	1
7	GW1364	N608	41.7	25	0	48.7	24	0	37.6	25	0	78.7	11	0	64.2	10	0
8	MPO1390	N609	47.2	18	0	48.2	25	0	42.4	21	0	60.8	25	0	51.5	24	0
9	DDW60	N610	47.2	18	0	62.0	6	1	50.5	15	0	66.4	21	0	69.4	2	1
10	GW1363	N611	58.3	5	1	59.5	9	1	52.3	9	0	69.6	20	0	64.1	11	0
11	DDW59	N612	50.0	14	0	57.1	12	1	62.0	1	1	70.0	19	0	56.7	22	0
12	GW1361	N614	58.3	5	1	62.2	5	1	50.9	13	0	71.2	18	0	72.3	1	1
13	UAS479	N615	56.3	8	1	58.6	11	1	52.1	10	0	88.6	2	1	68.4	4	1
14	MACS4120	N616	60.4	2	1	62.3	4	1	50.8	14	0	85.3	6	1	64.0	12	0
15	AKDW4773	N618	52.8	12	1	51.4	21	0	53.0	6	0	77.6	13	0	60.1	19	0
16	HI8841	N619	61.1	1	1	63.8	3	1	56.0	2	0	92.1	1	1	68.5	3	1
17	PDW363	N620	45.1	21	0	63.8	2	1	42.3	22	0	80.7	10	0	59.2	20	0
18	PDW362	N621	50.0	14	0	55.3	15	1	46.4	20	0	80.8	9	0	60.6	18	0
19	MACS4121	N622	50.0	14	0	54.7	16	0	48.3	18	0	88.2	3	1	66.1	7	1
20	PWU18	N623	45.8	20	0	54.5	17	0	51.5	12	0	65.2	24	0	56.3	23	0
21	MACS4122	N624	59.7	3	1	60.9	7	1	52.8	8	0	77.6	12	0	62.9	14	0
22	UAS480	N625	56.9	7	1	56.7	13	1	41.7	23	0	88.0	4	1	58.5	21	0
23	HI8737(C)	N601	53.5	11	1	53.4	19	0	53.0	7	0	66.2	22	0	61.7	16	0
24	HI8713(C)	N617	59.7	4	1	64.0	1	1	55.7	3	0	87.0	5	1	62.0	15	0
25	MACS3949(C)	N613	52.8	12	1	59.6	8	1	52.0	11	0	75.2	14	0	61.1	17	0
G.M.			52.0			56.7			49.8			76.9			62.2		
S.E.(M)			4.433			3.873			1.957			3.401			3.102		
C.D. (10%)			10.7			9.4			4.8			8.2			7.5		
C.V.			12.1			9.7			5.6			6.3			7.1		
D.O.S.(dd.mm.yy)			15.11.21			10.11.21			13.11.21			13.11.21			12.11.21		

No. of Trials : Proposed = 17 Conducted = 17
Trials not reported (02) = CZ : Kota (LSM, LS) PZ : Akola (LSM)

2106-NIVT-4-IR-TS-TDM-NAT-ZONE, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ									PZ					
			Gujarat						Chhattisgarh			Rajasthan			Maharashtra		
			Vijapur			SK Nagar			Bilaspur			Udaipur			Niphad		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	GW1360	N602	73.2	9	0	65.8	9	0	48.5	6	1	64.8	3	1	49.7	6	1
2	MPO1389	N603	57.1	25	0	62.5	13	0	42.4	16	0	55.9	20	0	33.0	23	0
3	HI8842	N604	70.7	15	0	69.9	5	0	41.9	17	0	56.3	16	0	34.2	22	0
4	NIDW1485	N605	72.9	10	0	64.0	11	0	41.3	19	0	59.1	9	0	49.8	5	1
5	HI8843	N606	76.0	7	1	76.5	2	1	43.2	14	0	50.9	23	0	35.0	21	0
6	PWU19	N607	70.6	16	0	53.3	20	0	42.4	15	0	60.6	7	1	41.3	16	0
7	GW1364	N608	79.4	3	1	46.3	23	0	47.4	8	1	58.9	11	0	45.3	12	0
8	MPO1390	N609	63.2	23	0	66.5	7	0	37.0	24	0	52.8	22	0	30.0	24	0
9	DDW60	N610	70.4	17	0	57.8	14	0	41.9	18	0	56.2	17	0	39.2	18	0
10	GW1363	N611	70.9	14	0	50.1	21	0	40.1	20	0	61.0	6	1	48.2	9	1
11	DDW59	N612	69.7	18	0	57.2	15	0	49.6	4	1	57.2	14	0	24.0	25	0
12	GW1361	N614	76.3	6	1	75.7	3	1	38.6	22	0	60.2	8	1	46.6	10	1
13	UAS479	N615	71.4	12	0	65.2	10	0	45.8	10	0	57.1	15	0	43.5	13	0
14	MACS4120	N616	65.6	22	0	46.5	22	0	43.9	11	0	47.8	25	0	43.3	14	0
15	AKDW4773	N618	62.3	24	0	36.3	25	0	52.1	2	1	56.0	18	0	35.4	20	0
16	HI8841	N619	81.0	2	1	82.5	1	1	50.1	3	1	68.6	1	1	53.7	2	1
17	PDW363	N620	77.8	5	1	56.7	16	0	39.4	21	0	59.0	10	0	40.0	17	0
18	PDW362	N621	68.5	19	0	56.0	17	0	35.8	25	0	52.8	21	0	45.9	11	0
19	MACS4121	N622	78.6	4	1	69.1	6	0	47.6	7	1	66.3	2	1	54.0	1	1
20	PWU18	N623	67.2	20	0	45.4	24	0	43.4	13	0	58.2	13	0	49.5	8	1
21	MACS4122	N624	72.5	11	0	66.2	8	0	37.8	23	0	56.0	19	0	49.5	7	1
22	UAS480	N625	74.0	8	0	53.9	19	0	46.9	9	1	58.8	12	0	50.6	4	1
23	HI8737(C)	N601	66.9	21	0	54.7	18	0	43.8	12	0	63.7	4	1	37.6	19	0
24	HI8713(C)	N617	83.1	1	1	75.3	4	1	53.0	1	1	63.1	5	1	52.7	3	1
25	MACS3949(C)	N613	71.1	13	0	63.3	12	0	48.7	5	1	50.1	24	0	42.0	15	0
G.M.			71.6			60.7			44.1			58.1			43.0		
S.E.(M)			3.553			4.320			2.620			3.467			3.061		
C.D. (10%)			8.8			10.5			6.3			8.4			7.6		
C.V.			7.0			10.1			8.4			8.4			10.1		
D.O.S.(dd.mm.yy)			15.11.21			13.11.21			10.11.21			13.11.21			13.11.21		

2106-NIVT-4-IR-TS-TDM-NAT-ZONE, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	PZ														
			Maharashtra						Karnataka								
			Pune			Parbhani			Dharwad		Ugar Khurd		Nippani				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	GW1360	N602	66.0	12	0	42.9	19	0	45.8	11	0	41.9	22	0	47.4	14	0
2	MPO1389	N603	37.3	24	0	45.4	17	0	37.4	24	0	52.2	6	0	41.2	23	0
3	HI8842	N604	63.6	15	0	51.3	8	0	50.1	4	1	41.8	23	0	44.3	21	0
4	NIDW1485	N605	62.1	18	0	48.8	11	0	47.9	7	1	45.4	18	0	45.8	17	0
5	HI8843	N606	36.3	25	0	33.1	23	0	40.1	21	0	45.0	19	0	44.3	20	0
6	PWU19	N607	49.3	23	0	31.0	25	0	52.7	2	1	40.0	24	0	47.5	13	0
7	GW1364	N608	62.9	17	0	46.0	16	0	41.8	17	0	37.3	25	0	51.8	6	0
8	MPO1390	N609	64.7	13	0	56.1	5	0	41.6	18	0	48.3	11	0	45.0	18	0
9	DDW60	N610	66.4	10	0	51.5	7	0	46.6	9	0	53.7	4	1	46.8	16	0
10	GW1363	N611	62.0	19	0	46.2	15	0	37.6	23	0	43.7	20	0	47.3	15	0
11	DDW59	N612	58.9	21	0	40.1	20	0	48.1	6	1	46.7	15	0	50.3	9	0
12	GW1361	N614	68.9	8	0	62.4	3	1	47.7	8	1	47.7	14	0	50.3	8	0
13	UAS479	N615	63.2	16	0	63.1	2	1	40.8	20	0	49.8	10	0	49.9	10	0
14	MACS4120	N616	76.9	3	0	46.2	14	0	48.3	5	1	50.2	9	0	36.1	25	0
15	AKDW4773	N618	63.9	14	0	36.5	22	0	53.2	1	1	50.7	8	0	48.7	12	0
16	HI8841	N619	85.4	1	1	70.8	1	1	41.0	19	0	60.6	1	1	50.6	7	0
17	PDW363	N620	72.3	5	0	39.1	21	0	50.9	3	1	51.5	7	0	44.6	19	0
18	PDW362	N621	70.7	6	0	44.3	18	0	45.6	12	0	45.5	17	0	52.7	4	0
19	MACS4121	N622	66.4	11	0	48.5	12	0	40.1	22	0	47.7	13	0	56.5	2	1
20	PWU18	N623	68.2	9	0	31.8	24	0	42.0	16	0	43.6	21	0	42.6	22	0
21	MACS4122	N624	59.2	20	0	50.0	10	0	36.9	25	0	53.7	5	1	54.5	3	0
22	UAS480	N625	69.5	7	0	53.4	6	0	42.8	15	0	48.1	12	0	49.3	11	0
23	HI8737(C)	N601	73.3	4	0	50.9	9	0	45.4	13	0	46.5	16	0	63.4	1	1
24	HI8713(C)	N617	82.7	2	1	57.4	4	0	43.0	14	0	53.9	3	1	39.9	24	0
25	MACS3949(C)	N613	56.3	22	0	48.0	13	0	46.0	10	0	58.6	2	1	51.9	5	0
G.M.			64.3			47.8			44.5			48.2			48.1		
S.E.(M)			3.370			5.378			2.419			3.204			3.009		
C.D. (10%)			8.3			13.3			6.0			7.9			7.4		
C.V.			7.4			15.9			7.7			9.4			8.8		
D.O.S.(dd.mm.yy)			15.11.21			15.11.21			14.11.21			15.11.21			13.11.21		

2106-NIVT-4-IR-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	GW1360	N602	62.9	4	0	49.0	15	0	57.3	6	0
2	MPO1389	N603	52.5	24	0	41.1	24	0	47.9	25	0
3	HI8842	N604	58.7	12	0	47.5	19	0	54.3	15	0
4	NIDW1485	N605	57.9	17	0	50.0	13	0	54.7	14	0
5	HI8843	N606	60.6	8	0	39.0	25	0	52.0	21	0
6	PWU19	N607	57.1	19	0	43.7	23	0	51.7	22	0
7	GW1364	N608	55.9	21	0	47.5	18	0	52.5	20	0
8	MPO1390	N609	52.2	25	0	47.6	17	0	50.4	24	0
9	DDW60	N610	58.0	16	0	50.7	9	0	55.1	12	0
10	GW1363	N611	58.4	14	0	47.5	20	0	54.1	16	0
11	DDW59	N612	58.8	11	0	44.7	22	0	53.2	18	0
12	GW1361	N614	62.9	5	0	53.9	3	0	59.3	3	0
13	UAS479	N615	62.6	6	0	51.7	7	0	58.3	5	0
14	MACS4120	N616	58.5	13	0	50.2	12	0	55.2	11	0
15	AKDW4773	N618	55.7	22	0	48.1	16	0	52.7	19	0
16	HI8841	N619	69.3	1	1	60.4	1	1	65.7	1	1
17	PDW363	N620	58.2	15	0	49.7	14	0	54.8	13	0
18	PDW362	N621	56.2	20	0	50.8	8	0	54.1	17	0
19	MACS4121	N622	63.2	3	0	52.2	6	0	58.8	4	0
20	PWU18	N623	54.2	23	0	46.3	21	0	51.0	23	0
21	MACS4122	N624	60.7	7	0	50.6	10	0	56.7	7	0
22	UAS480	N625	59.5	9	0	52.3	5	0	56.6	8	0
23	HI8737(C)	N601	57.4	18	0	52.8	4	0	55.6	10	0
24	HI8713(C)	N617	67.0	2	1	54.9	2	0	62.2	2	0
25	MACS3949(C)	N613	59.3	10	0	50.5	11	0	55.8	9	0
G.M.			59.1			49.3			55.2		
S.E.(M)			1.165			1.442			0.906		
C.D. (10%)			2.7			3.4			2.1		

Summary of Disease Data and Agronomic Characteristics

Central Zone

NIVT-4-IR-TS-TDM, 2021-22

S.N.	Variety	Code	Agronomic Characteristics								
			Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	TGW.R	TGW.M
1	GW1360	N602	65-91	74	113-134	125	78-101	89	15	44-61	50
2	MPO1389	N603	57-97	81	105-137	127	72-100	90	25	24-50	44
3	HI8842	N604	61-86	70	112-133	123	71-102	85	0	44-61	53
4	NIDW1485	N605	63-91	73	114-140	125	71-101	87	5	47-54	51
5	HI8843	N606	60-90	69	110-139	123	64-100	80	0	42-58	52
6	PWU19	N607	67-90	75	115-138	125	78-102	89	0	44-65	51
7	GW1364	N608	67-89	76	111-137	126	75-105	86	10	43-59	52
8	MPO1390	N609	69-91	78	115-138	126	76-105	88	0	36-57	46
9	DDW60	N610	64-90	74	114-141	124	66-100	83	10	45-55	51
10	GW1363	N611	62-90	71	112-134	123	75-101	86	5	48-62	55
11	DDW59	N612	56-89	73	109-139	127	79-105	92	0	41-55	48
12	GW1361	N614	63-90	72	111-135	124	77-102	88	15	45-60	51
13	UAS479	N615	64-90	73	112-135	124	81-98	88	15	42-49	46
14	MACS4120	N616	67-88	75	114-142	127	80-101	91	5	46-54	49
15	AKDW4773	N618	64-91	74	113-136	124	75-103	91	40	43-52	46
16	HI8841	N619	67-87	74	114-136	124	77-110	92	40	44-56	50
17	PDW363	N620	61-87	70	111-136	124	69-102	86	5	45-61	54
18	PDW362	N621	66-89	75	114-138	125	77-102	93	0	45-56	50
19	MACS4121	N622	65-87	73	112-130	123	79-100	90	15	45-61	53
20	PWU18	N623	70-89	79	118-131	126	75-99	87	0	40-59	48
21	MACS4122	N624	63-89	73	114-136	124	75-99	88	5	42-52	49
22	UAS480	N625	67-87	76	115-136	125	70-97	87	0	30-53	42
23	HI8737(C)	N601	62-89	72	112-136	124	72-106	86	0	46-56	51
24	HI8713(C)	N617	68-90	77	116-139	127	80-105	93	20	37-54	48
25	MACS3949(C)	N613	65-91	76	113-135	125	76-101	86	0	42-61	50

1. Ancillary data from Bilaspur, Indore, Jabalpur, Junagadh, Kota, Powarkheda, Sagar, SK Nagar, Udaipur and Vijapur.
2. No incidence of disease reported from any centre.
3. Lodging Data reported from Vijapur only.

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

NIVT-4-IR-TS-TDM, 2021-22

S.N.	Variety	Code	Brown rust reaction	Agronomic Characteristics								
				Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	TGW.R	TGW.M
1	GW1360	N602	5MS	53-75	62	108-125	113	75-98	83	20	44-57	50
2	MPO1389	N603	0	51-94	68	108-130	119	73-95	83	0	31-53	41
3	HI8842	N604	0	51-67	58	105-121	111	76-90	80	35	24-55	47
4	NIDW1485	N605	0	51-70	59	104-125	112	75-88	81	0	47-54	50
5	HI8843	N606	0	50-58	57	105-121	113	68-84	74	0	40-47	44
6	PWU19	N607	0	54-76	64	106-128	116	77-95	84	0	41-50	46
7	GW1364	N608	0	55-77	65	110-125	117	72-91	80	0	44-57	52
8	MPO1390	N609	0	54-76	65	106-127	116	76-91	81	0	33-54	43
9	DDW60	N610	0	49-75	60	105-128	115	75-89	79	10	44-56	50
10	GW1363	N611	0	53-68	60	104-126	113	73-91	82	40	44-60	51
11	DDW59	N612	20S	51-66	57	106-120	111	75-92	81	0	42-48	45
12	GW1361	N614	0	50-69	59	106-123	113	83-91	85	0	40-54	50
13	UAS479	N615	10S	49-69	58	108-127	113	79-93	84	25	29-55	45
14	MACS4120	N616	5MS	46-76	60	104-125	113	79-84	84	15	37-54	48
15	AKDW4773	N618	0	54-75	61	108-123	116	78-94	84	20	40-50	45
16	HI8841	N619	0	51-71	61	105-128	112	76-100	86	10	41-53	48
17	PDW363	N620	0	49-68	57	100-122	110	74-87	79	0	40-55	48
18	PDW362	N621	0	53-71	62	109-127	115	86-98	90	0	44-58	50
19	MACS4121	N622	0	60-72	64	110-127	117	79-91	85	20	42-50	45
20	PWU18	N623	0	48-79	62	109-129	117	72-89	78	0	41-51	48
21	MACS4122	N624	0	52-69	60	106-126	112	74-89	79	15	36-54	47
22	UAS480	N625	10MS	56-74	64	108-127	115	77-94	84	10	30-47	41
23	HI8737(C)	N601	0	57-67	61	105-121	111	73-92	78	10	41-52	47
24	HI8713(C)	N617	0	50-75	63	106-128	115	83-97	89	15	40-52	47
25	MACS3949(C)	N613	10MS	56-75	64	105-125	112	76-90	82	10	41-53	48

1. Ancillary data from Akola, Dharwad, Niphad, Nippani, Parbhani, Pune, & Ugar Khurd
2. Brown rust reported from Dharwad centre only.
3. Lodging Data reported from Dharwad, Parbhani & Pune centre only.