

1599-NIVT-5B-RI-TS-TDM, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Rajasthan			M.P.											
			Kota			Indore			Sagar			Jabalpur			Powarkheda		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	GW 1333	N5B-801	45.3	16	0	34.2	16	0	44.8	12	0	34.4	20	0	27.6	24	0
2.	HI 8789	N5B-803	45.7	14	0	37.2	9	0	50.3	6	0	48.8	1	1	35.3	16	0
3.	NIDW 1063	N5B-804	55.3	6	1	35.4	12	0	43.0	15	0	36.7	13	0	44.5	4	1
4.	MPO 1321	N5B-805	52.7	8	1	34.3	15	0	40.7	20	0	32.8	24	0	42.2	11	1
5.	HI 8793	N5B-806	58.1	3	1	39.2	4	1	45.6	11	0	40.8	9	0	40.9	12	0
6.	HI 8792	N5B-807	45.5	15	0	38.0	7	1	48.2	10	0	46.9	3	1	43.0	10	1
7.	GW 1335	N5B-808	60.5	1	1	37.4	8	1	44.6	13	0	32.6	25	0	30.3	21	0
8.	NIDW 1053	N5B-809	43.1	17	0	35.2	13	0	40.8	19	0	38.2	12	0	44.4	6	1
9.	RKD 302	N5B-810	30.2	25	0	26.5	23	0	51.6	3	0	35.8	16	0	43.7	9	1
10.	UAS 462	N5B-811	57.9	4	1	41.9	1	1	50.0	7	0	41.7	6	0	46.6	1	1
11.	MACS 4040	N5B-812	34.8	22	0	32.6	19	0	41.9	18	0	34.8	19	0	30.2	22	0
12.	GW 1336	N5B-813	42.2	19	0	32.1	20	0	36.5	23	0	35.4	18	0	28.7	23	0
13.	MACS 4044	N5B-814	40.6	20	0	31.2	22	0	36.5	23	0	40.3	10	0	43.8	8	1
14.	GW 1334	N5B-815	46.8	13	0	31.7	21	0	44.0	14	0	36.3	14	0	32.3	20	0
15.	DDW 41	N5B-816	59.5	2	1	35.6	10	0	51.2	4	0	33.8	21	0	44.1	7	1
16.	HI 8790	N5B-817	51.4	10	1	40.5	3	1	50.0	8	0	35.5	17	0	45.2	2	1
17.	UAS 463	N5B-818	40.3	21	0	33.3	17	0	34.9	25	0	35.9	15	0	35.6	15	0
18.	DDW 42	N5B-820	33.6	23	0	38.1	6	1	55.7	2	1	44.0	4	0	45.1	3	1
19.	MACS 4042	N5B-821	32.2	24	0	33.3	18	0	42.2	17	0	39.8	11	0	36.7	14	0
20.	GW 1337	N5B-822	42.4	18	0	24.7	25	0	38.9	22	0	33.5	22	0	26.9	25	0
21.	RKD 306	N5B-823	47.4	12	0	25.0	24	0	40.4	21	0	42.7	5	0	39.4	13	0
22.	MPO 1322	N5B-824	51.5	9	1	40.5	2	1	58.5	1	1	41.5	7	0	32.7	19	0
23.	HI 8791	N5B-825	55.7	5	1	38.3	5	1	48.6	9	0	47.9	2	1	44.5	5	1
24.	AKDW 2997-16(C)	N5B-802	53.7	7	1	35.5	11	0	51.0	5	0	41.3	8	0	34.8	17	0
25.	HI 8627 (C)	N5B-819	49.0	11	0	34.3	14	0	42.9	16	0	33.0	23	0	33.6	18	0
Mean			47.0			34.6			45.3			38.6			38.1		
S.E.m			4.277			1.897			1.340			1.619			1.822		
C.D.			10.6			4.7			3.3			4.0			4.5		
C.V.			12.9			7.7			4.2			5.9			6.8		
D.O.S. (d.m.y.)			2.11.2015			28.10.2015			6.11.2015			6.11.2015			4.11.2015		

Trials proposed = 15

Trial not conducted (1) = Bailahongal

Trials not reported (5) = Arnej (RMT), Akola (RMT), Udaipur (HCV), Tanchha (LSM), Pune (LSM)

1599-NIVT-5B-RI-TS-TDM, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Gujarat			Maharashtra			Karnataka					
			Dhandhuka			Niphad			Bagalkot			Dharwad		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	GW 1333	N5B-801	33.3	2	0	16.2	22	0	25.0	5	1	22.3	16	0
2.	HI 8789	N5B-803	29.2	10	0	20.1	16	0	15.2	24	0	23.1	11	0
3.	NIDW 1063	N5B-804	25.4	19	0	16.2	23	0	16.3	20	0	23.0	12	0
4.	MPO 1321	N5B-805	26.3	17	0	20.6	12	0	22.4	13	0	17.8	25	0
5.	HI 8793	N5B-806	22.9	23	0	24.4	4	1	24.3	6	1	22.4	15	0
6.	HI 8792	N5B-807	28.6	11	0	20.7	11	0	16.2	21	0	22.8	14	0
7.	GW 1335	N5B-808	25.2	20	0	20.3	13	0	20.6	16	0	24.2	5	0
8.	NIDW 1053	N5B-809	26.6	16	0	21.0	10	0	23.9	8	1	22.9	13	0
9.	RKD 302	N5B-810	31.8	3	0	20.1	15	0	23.2	9	0	26.3	3	1
10.	UAS 462	N5B-811	29.8	5	0	21.2	9	0	28.9	1	1	29.4	1	1
11.	MACS 4040	N5B-812	29.6	7	0	22.2	6	0	15.3	23	0	20.4	21	0
12.	GW 1336	N5B-813	29.7	6	0	24.7	3	1	22.7	11	0	23.8	8	0
13.	MACS 4044	N5B-814	18.6	25	0	26.6	1	1	13.5	25	0	23.7	9	0
14.	GW 1334	N5B-815	36.5	1	1	20.3	14	0	22.1	14	0	20.0	22	0
15.	DDW 41	N5B-816	28.3	12	0	18.5	19	0	22.5	12	0	21.3	20	0
16.	HI 8790	N5B-817	27.8	13	0	25.6	2	1	16.9	19	0	25.7	4	1
17.	UAS 463	N5B-818	27.6	14	0	18.9	17	0	24.2	7	1	23.3	10	0
18.	DDW 42	N5B-820	25.6	18	0	21.7	8	0	27.8	3	1	21.4	19	0
19.	MACS 4042	N5B-821	27.5	15	0	22.5	5	0	15.8	22	0	22.0	18	0
20.	GW 1337	N5B-822	30.6	4	0	11.5	25	0	19.5	17	0	24.0	6	0
21.	RKD 306	N5B-823	29.4	8	0	17.2	21	0	27.6	4	1	27.3	2	1
22.	MPO 1322	N5B-824	22.7	24	0	15.7	24	0	17.9	18	0	23.9	7	0
23.	HI 8791	N5B-825	23.0	22	0	18.2	20	0	23.0	10	0	18.0	24	0
24.	AKDW 2997-16(C)	N5B-802	23.4	21	0	21.8	7	0	28.7	2	1	22.2	17	0
25.	HI 8627 (C)	N5B-819	29.3	9	0	18.9	18	0	21.0	15	0	19.3	23	0
Mean			27.6			20.2			21.4			22.8		
S.E.m			1.188			1.298			2.227			2.069		
C.D.			2.9			3.1			5.5			N.S.		
C.V.			6.1			9.1			14.7			12.8		
D.O.S. (d.m.y.)			22.10.2015			1.11.2015			3.11.2015			2.11.2015		

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Zonal and National Mean Yield (q/ha)

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	GW 1333	N5B-801	36.6	18	0	21.2	13	0	31.5	18	0
2.	HI 8789	N5B-803	41.1	8	0	19.5	21	0	33.9	10	0
3.	NIDW 1063	N5B-804	40.0	10	0	18.5	24	0	32.9	13	0
4.	MPO 1321	N5B-805	38.2	13	0	20.3	16	0	32.2	16	0
5.	HI 8793	N5B-806	41.3	6	0	23.7	5	0	35.4	2	0
6.	HI 8792	N5B-807	41.7	5	0	19.9	18	0	34.4	8	0
7.	GW 1335	N5B-808	38.4	12	0	21.7	11	0	32.9	14	0
8.	NIDW 1053	N5B-809	38.1	14	0	22.6	9	0	32.9	12	0
9.	RKD 302	N5B-810	36.6	19	0	23.2	7	0	32.1	17	0
10.	UAS 462	N5B-811	44.7	1	1	26.5	1	1	38.6	1	1
11.	MACS 4040	N5B-812	34.0	24	0	19.3	22	0	29.1	24	0
12.	GW 1336	N5B-813	34.1	23	0	23.7	4	0	30.6	20	0
13.	MACS 4044	N5B-814	35.2	21	0	21.3	12	0	30.5	21	0
14.	GW 1334	N5B-815	37.9	15	0	20.8	14	0	32.2	15	0
15.	DDW 41	N5B-816	42.1	3	0	20.7	15	0	35.0	5	0
16.	HI 8790	N5B-817	41.7	4	0	22.7	8	0	35.4	3	0
17.	UAS 463	N5B-818	34.6	22	0	22.1	10	0	30.4	22	0
18.	DDW 42	N5B-820	40.4	9	0	23.6	6	0	34.8	6	0
19.	MACS 4042	N5B-821	35.3	20	0	20.1	17	0	30.2	23	0
20.	GW 1337	N5B-822	32.8	25	0	18.4	25	0	28.0	25	0
21.	RKD 306	N5B-823	37.4	16	0	24.1	3	1	32.9	11	0
22.	MPO 1322	N5B-824	41.2	7	0	19.2	23	0	33.9	9	0
23.	HI 8791	N5B-825	43.0	2	1	19.7	19	0	35.2	4	0
24.	AKDW 2997-16 (C)	N5B-802	40.0	11	0	24.2	2	1	34.7	7	0
25.	HI 8627 (C)	N5B-819	37.0	17	0	19.7	20	0	31.3	19	0
Mean			38.5			21.5			32.8		
C.D.			2.2			2.6			1.7		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-5B-RI-TS-TDM-NAT-ZONE, 2015-16

SN	Variety	Code	Black Rust Reaction	Agronomic Characteristics								Grain Characteristics			
				Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	GW1333	N5B-801	0	64-84	75	111-140	123	74-118	102	15	M	A	H	36-47	42
2.	HI8789	N5B-803	0	63-79	73	105-138	122	57-92	82	-	Ey-M	A	SH	27-52	43
3.	NIDW1063	N5B-804	0	66-80	71	101-137	121	61-125	85	-	Ey-M	A	SH-H	37-50	43
4.	MPO1321	N5B-805	0	72-87	79	107-140	127	52-100	83	-	M	A	SH	30-42	37
5.	HI8793	N5B-806	0	67-79	72	106-137	123	62-101	88	-	M	A	SH	35-56	46
6.	HI8792	N5B-807	0	69-80	74	104-136	121	55-101	87	-	Ey-M	A	SH	37-57	48
7.	GW1335	N5B-808	0	67-84	74	107-137	122	69-129	107	15	M	A	SH-H	46-54	51
8.	NIDW1053	N5B-809	0	65-77	70	114-138	123	55-91	80	-	M	A	SH-H	44-55	48
9.	RKD302	N5B-810	0	62-75	68	111-139	124	68-87	79	-	M	A	SH-H	42-53	48
10.	UAS462	N5B-811	0	65-79	71	108-137	123	57-99	84	-	M	A	SH-H	40-51	47
11.	MACS4040	N5B-812	0	63-77	68	106-136	120	52-126	105	30	M	A	SH-H	42-59	51
12.	GW1336	N5B-813	0	60-93	70	107-138	120	55-131	101	25	M	A	SH	42-54	47
13.	MACS4044	N5B-814	0	53-75	62	98-135	120	52-110	87	20	M	A	SH	38-62	49
14.	GW1334	N5B-815	0	60-76	69	111-138	123	55-125	101	10	M	A	H	41-54	48
15.	DDW41	N5B-816	0	68-75	72	112-140	126	59-93	78	-	M	A	SH	40-52	46
16.	HI8790	N5B-817	0	71-80	74	113-140	124	54-128	102	-	Ey-M	A	SH-H	43-56	50
17.	UAS463	N5B-818	0	68-80	73	110-140	124	52-98	98	-	Ey-M	A	SH	37-51	44
18.	DDW42	N5B-820	0	70-86	79	105-140	122	55-89	78	-	Ey-M	A	SH	32-52	45
19.	MACS4042	N5B-821	0	52-75	61	96-136	117	57-130	101	-	M	A	SH-H	44-60	54
20.	GW1337	N5B-822	0	63-84	74	107-138	123	52-135	107	-	M	A	SH-H	42-54	48
21.	RKD306	N5B-823	5MR	65-75	71	106-137	122	50-110	93	-	M	A	SH-H	38-56	48
22.	MPO1322	N5B-824	0	74-92	82	111-140	126	61-103	88	-	M	A	SH-H	27-48	42
23.	HI8791	N5B-825	0	71-83	76	107-137	123	54-97	85	-	Ey-M	A	H	36-49	45
24.	AKDW2997-16(C)	N5B-802	0	62-75	70	111-139	123	65-91	79	-	M	A	SH	36-51	44
25.	HI8627(C)	N5B-819	0	69-84	75	106-140	124	54-98	86	-	M	A	SH	39-56	48

1. Ancillary data from Udaipur, Indore, Jabalpur, Kota, Powarkheda, Dhandhuka, Tanchha and Sagar.
2. Black rust reported from Powarkheda; 3. Lodging data from Jabalpur, Powarkheda and Dhandhuka.

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-5B-RI-TS-TDM-NAT-ZONE, 2015-16

SN	Variety	Code	Brown Rust Reaction	Agronomic Characteristics								Grain Characteristics			
				Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	GW1333	N5B-801	0	63-72	68	105-121	110	79-87	83	-	M	A	H	31-41	37
2.	HI8789	N5B-803	0	64-72	68	107-113	109	68-79	74	-	Ey-M	A	SH-H	31-41	36
3.	NIDW1063	N5B-804	0	64-67	66	105-116	109	71-75	72	-	Ey-M	A	SH-H	31-42	37
4.	MPO1321	N5B-805	0	65-75	70	104-110	106	63-75	69	-	Ey	A	H	25-42	35
5.	HI8793	N5B-806	0	62-65	64	103-112	107	77-83	80	-	Ey-M	A	SH-H	31-42	38
6.	HI8792	N5B-807	0	63-68	66	106-110	108	73-80	77	-	Ey-M	A	SH-H	35-44	41
7.	GW1335	N5B-808	0	65-72	68	105-112	107	82-97	87	-	Ey-M	A	H	35-46	41
8.	NIDW1053	N5B-809	0	60-67	64	103-111	107	73-84	80	-	Ey	A	H	39-46	43
9.	RKD302	N5B-810	0	61-65	63	107-115	111	66-72	69	-	Ey-M	A	H	37-43	41
10.	UAS462	N5B-811	0	60-63	62	105-110	107	72-74	73	-	Ey-M	A	H	35-77	40
11.	MACS4040	N5B-812	0	62-64	63	105-112	108	87-95	91	10	Ey-M	A	H	43-55	49
12.	GW1336	N5B-813	0	55-63	60	103-115	107	81-91	85	10	Ey	A	H	35-51	44
13.	MACS4044	N5B-814	tMS	51-55	53	91-109	103	74-88	79	10	Ey	A	SH-H	44-60	52
14.	GW1334	N5B-815	0	65-66	66	104-114	108	81-86	82	-	Ey-M	A	SH-H	38-47	44
15.	DDW41	N5B-816	0	63-69	66	108-113	110	65-68	66	-	Ey-M	A	H	36-41	38
16.	HI8790	N5B-817	0	63-67	65	105-113	109	83-93	87	-	Ey	A	H	39-44	43
17.	UAS463	N5B-818	0	62-72	68	104-110	106	71-80	76	-	Ey	A	SH-H	32-40	37
18.	DDW42	N5B-820	0	64-73	68	103-112	108	64-75	68	-	Ey	A	SH-H	30-41	37
19.	MACS4042	N5B-821	0	47-56	51	89-114	102	83-93	86	-	Ey-M	A	SH-H	46-58	53
20.	GW1337	N5B-822	tMR	64-80	71	102-115	109	73-85	81	-	Ey-M	A	H	33-48	42
21.	RKD306	N5B-823	0	61-71	66	100-115	106	81-96	87	-	M	A	H	35-44	41
22.	MPO1322	N5B-824	0	68-80	76	106-118	112	69-91	80	-	Ey	A	SH-H	31-41	37
23.	HI8791	N5B-825	0	66-74	71	107-114	110	66-78	69	-	Ey	A	H	30-40	37
24.	AKDW2997-16(C)	N5B-802	0	57-64	61	105-112	108	63-70	66	-	Ey	A	H	30-43	37
25.	HI8627(C)	N5B-819	0	69-73	71	103-120	110	63-80	70	-	Ey-M	A	H	32-43	39

1. Ancillary data from Pune, Bagalkot, Dharwad and Niphad.

2. Brown rust response was reported from Dharwad only.

3. Lodging data from Niphad only.