

**NIVT-5B-RI-TS-TDM-NAT-ZONE, 2014-15**  
**Locationwise Mean Yield (q/ha)**

SN	Variety	Code	Rajasthan	MP						Maharashtra		
			Kota	Indore			Powarkheda			Pune		
			Yield RK G	Yield RK G	Yield RK G	Yield RK G	Yield RK G	Yield RK G				
1.	GW 1324	N-5B-01	35.8 13 1	36.5 10 1	38.8 19 0	19.3 15 0						
2.	MPO 1307	N-5B-02	37.8 8 1	25.2 23 0	70.8 2 1	17.3 20 0						
3.	RKD 283	N-5B-03	38.7 7 1	29.2 19 0	68.8 7 1	25.9 2 1						
4.	GW 1325	N-5B-04	33.2 16 0	23.3 25 0	38.0 22 0	17.1 21 0						
5.	KD 1418	N-5B-05	34.8 14 0	32.0 16 0	60.7 13 0	29.0 1 1						
6.	MACS 4027	N-5B-06	36.0 12 1	35.6 12 0	41.7 17 0	23.6 7 0						
7.	HI 8778	N-5B-07	37.1 10 1	38.5 5 1	62.5 11 0	20.0 13 0						
8.	HI 8776	N-5B-08	40.9 3 1	37.1 8 1	63.5 8 0	17.0 22 0						
9.	HI 8775	N-5B-09	37.4 9 1	38.6 3 1	54.2 15 0	24.0 5 0						
10.	HI 8777	N-5B-10	33.7 15 0	40.2 1 1	70.3 5 1	23.9 6 0						
11.	GW 1323	N-5B-11	32.1 20 0	27.6 20 0	41.7 17 0	16.9 23 0						
12.	GW 1327	N-5B-13	31.2 21 0	38.5 4 1	55.2 14 0	19.2 16 0						
13.	MPO 1308	N-5B-14	32.8 19 0	23.5 24 0	69.8 6 1	19.9 14 0						
14.	MACS 4028	N-5B-15	31.2 22 0	31.7 17 0	37.8 23 0	24.3 4 0						
15.	DDW 38	N-5B-16	33.2 17 0	27.5 22 0	45.8 16 0	16.9 24 0						
16.	NIDW 937	N-5B-17	40.5 5 1	32.0 15 0	37.5 24 0	18.0 17 0						
17.	HI 8779	N-5B-18	41.1 2 1	35.7 11 1	70.8 2 1	23.4 8 0						
18.	MACS 4030	N-5B-19	29.3 24 0	34.4 13 0	37.5 24 0	23.4 8 0						
19.	RKD 292	N-5B-20	29.5 23 0	34.3 14 0	38.5 20 0	25.6 3 1						
20.	UAS 458	N-5B-22	39.2 6 1	29.3 18 0	63.0 10 0	13.3 25 0						
21.	UAS 459	N-5B-23	40.7 4 1	38.1 6 1	70.8 2 1	20.1 12 0						
22.	GW 1326	N-5B-24	29.0 25 0	27.6 21 0	38.3 21 0	20.8 11 0						
23.	DDW 37	N-5B-25	37.1 11 1	37.4 7 1	62.5 11 0	17.9 18 0						
24.	AKDW 2997-16 (C)	N-5B-12	32.9 18 0	36.8 9 1	71.1 1 1	21.2 10 0						
25.	HI 8627 (C)	N-5B-21	42.7 1 1	39.8 2 1	63.3 9 0	17.6 19 0						
Mean =			35.5	33.2	54.9	20.6						
S.E.m =			2.861	1.857	2.933	1.608						
C.D. =			7.1	4.6	7.1	3.9						
C.V. =			11.4	7.9	7.6	11.0						
D.O.S. (d.m.y)			31.10.2014	28.10.2014	1.11.2014	3.11.2014						

Trials proposed & conducted : 6

Trials not reported (2) : Akola (LSM), Niphad (LSM)

**NIVT-5B-RI-TS-TDM-NAT-ZONE, 2014-15**  
**Zonal and National Mean Yield (q/ha)**

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	GW 1324	N-5B-01	37.1	17	0	19.3	15	0	32.6	17	0
2.	MPO 1307	N-5B-02	44.6	10	0	17.3	20	0	37.8	12	0
3.	RKD 283	N-5B-03	45.6	9	0	25.9	2	1	40.7	5	1
4.	GW 1325	N-5B-04	31.5	25	0	17.1	21	0	27.9	25	0
5.	KD 1418	N-5B-05	42.5	13	0	29.0	1	1	39.1	9	0
6.	MACS 4027	N-5B-06	37.8	16	0	23.6	7	0	34.2	16	0
7.	HI 8778	N-5B-07	46.0	7	0	20.0	13	0	39.5	8	0
8.	HI 8776	N-5B-08	47.2	5	1	17.0	22	0	39.6	7	0
9.	HI 8775	N-5B-09	43.4	12	0	24.0	5	0	38.6	11	0
10.	HI 8777	N-5B-10	48.1	4	1	23.9	6	0	42.0	3	1
11.	GW 1323	N-5B-11	33.8	21	0	16.9	23	0	29.6	23	0
12.	GW 1327	N-5B-13	41.6	15	0	19.2	16	0	36.0	15	0
13.	MPO 1308	N-5B-14	42.0	14	0	19.9	14	0	36.5	13	0
14.	MACS 4028	N-5B-15	33.6	23	0	24.3	4	0	31.2	20	0
15.	DDW 38	N-5B-16	35.5	19	0	16.9	24	0	30.9	22	0
16.	NIDW 937	N-5B-17	36.7	18	0	18.0	17	0	32.0	19	0
17.	HI 8779	N-5B-18	49.2	2	1	23.4	8	0	42.8	1	1
18.	MACS 4030	N-5B-19	33.7	22	0	23.4	8	0	31.2	21	0
19.	RKD 292	N-5B-20	34.1	20	0	25.6	3	1	32.0	18	0
20.	UAS 458	N-5B-22	43.8	11	0	13.3	25	0	36.2	14	0
21.	UAS 459	N-5B-23	49.9	1	1	20.1	12	0	42.5	2	1
22.	GW 1326	N-5B-24	31.6	24	0	20.8	11	0	28.9	24	0
23.	DDW 37	N-5B-25	45.6	8	0	17.9	18	0	38.7	10	0
24.	AKDW 2997-16 (C)	N-5B-12	46.9	6	1	21.2	10	0	40.5	6	1
25.	HI 8627 (C)	N-5B-21	48.6	3	1	17.6	19	0	40.8	4	1
Mean =			41.2			20.6			36.1		
C.D. =			3.5			3.9			2.8		

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-5B-RI-TS-TDM-NAT-ZONE, 2014-15

SN	Variety	Code	Disease Reaction	Agronomic Characteristics								Grain Characteristics			
			Black Point	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	GW 1324	N-5B-01	0	74-84	79	126-135	132	121-133	127	20	M	A	H	40-43	41
2	MPO 1307	N-5B-02	0	78-95	86	128-139	135	86-92	88	-	M	A	H	36-45	41
3	RKD 283	N-5B-03	2.0	80-87	84	129-139	135	83-106	94	70	M	A	H	38-50	45
4	GW 1325	N-5B-04	0	74-87	79	124-135	130	109-136	119	80	M	A	H	34-48	40
5	KD 1418	N-5B-05	0	68-80	72	118-133	127	80-90	84	-	M	A	H	41-52	47
6	MACS 4027	N-5B-06	5.0	63-79	69	116-134	124	116-130	121	60	M	A	H	50-66	58
7	HI 8778	N-5B-07	0	70-84	76	126-137	131	98-101	99	20	M	A	H	40-55	48
8	HI 8776	N-5B-08	0	75-85	81	129-137	133	84-91	88	60	M	A	H	42-48	45
9	HI 8775	N-5B-09	0	72-85	78	124-135	129	98-107	103	20	M	A	H	45-55	50
10	HI 8777	N-5B-10	0	66-74	69	115-133	125	84-88	86	-	M	A	H	50-57	54
11	GW 1323	N-5B-11	0	71-88	79	118-134	126	110-119	113	40	M	A	H	39-43	41
12	GW 1327	N-5B-13	0	66-85	74	120-134	129	113-118	116	20	M	A	H	39-43	41
13	MPO 1308	N-5B-14	0	72-83	77	120-137	129	79-189	121	40	M	A	H	49-54	51
14	MACS 4028	N-5B-15	0	59-77	68	122-138	128	101-139	123	60	M	A	H	48-60	55
15	DDW 38	N-5B-16	0	78-89	85	122-151	136	83-94	88	40	M	A	H	31-46	38
16	NIDW 937	N-5B-17	0	72-79	75	117-137	127	107-121	113	40	M	A	H	48-49	49
17	HI 8779	N-5B-18	0	68-77	71	125-134	129	79-90	83	-	M	A	H	45-54	50
18	MACS 4030	N-5B-19	0	65-77	70	120-134	126	94-126	111	-	M	A	H	48-60	55
19	RKD 292	N-5B-20	0	70-86	78	117-135	128	92-107	98	-	M	A	H	38-43	40
20	UAS 458	N-5B-22	0	79-88	83	126-138	134	92-99	96	-	M	A	H	39-54	46
21	UAS 459	N-5B-23	0	73-86	79	128-137	133	90-95	93	-	M	A	H	44-50	46
22	GW 1326	N-5B-24	0	78-88	82	120-134	129	121-143	129	60	M	A	H	38-48	43
23	DDW 37	N-5B-25	0	74-86	81	125-137	132	88-100	94	20	M	A	H	37-43	40
24	AKDW 2997-16 (C)	N-5B-12	0	73-87	79	128-141	134	85-93	88	40	M	A	H	38-43	41
25	HI 8627 (C)	N-5B-21	0	75-87	82	123-141	133	98-127	111	-	M	A	H	42-45	43

1. Ancillary data included from Powarkheda, Indore and Kota
2. Lodging data from Powarkheda centre only
3. Black Point data from Indore centre only

## Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-5B-RI-TS-TDM-NAT-ZONE, 2014-15

SN	Variety	Code	Disease Reaction	Agronomic Characteristics								Grain Characteristics			
			Black Point	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	GW 1324	N-5B-01	5.0	68-69	68	109-124	118	84-102	93	-	M	A	H	40-44	42
2	MPO 1307	N-5B-02	0	70-80	76	112-128	120	72-76	73	-	M	A	H	36-41	39
3	RKD 283	N-5B-03	0	65-71	68	109-122	117	74-77	76	-	M	A	H	43-47	45
4	GW 1325	N-5B-04	5.0	61-75	68	111-127	120	90-92	91	-	M	A	H	44-51	48
5	KD 1418	N-5B-05	2.0	55-66	61	103-120	114	70-77	73	-	M	A	H	44-45	45
6	MACS 4027	N-5B-06	8.0	56-65	61	103-126	116	93-100	97	-	M	A	H	52-60	56
7	HI 8778	N-5B-07	3.0	62-68	66	108-122	117	76-82	78	-	M	A	H	46-52	49
8	HI 8776	N-5B-08	8.0	66-75	71	110-124	119	65-76	71	-	M	A	H	42-46	44
9	HI 8775	N-5B-09	3.0	62-68	66	109-124	118	83-88	86	-	M	A	H	43-49	47
10	HI 8777	N-5B-10	3.0	54-62	59	102-122	114	67-80	75	-	M	A	H	45-48	47
11	GW 1323	N-5B-11	0	65-69	67	109-123	118	76-95	86	5	M	A	H	41-50	45
12	GW 1327	N-5B-13	0	57-66	62	102-124	116	90-101	95	-	M	A	H	38-44	41
13	MPO 1308	N-5B-14	0	62-67	65	109-126	119	68-73	71	-	M	A	H	47-51	49
14	MACS 4028	N-5B-15	3.0	54-62	58	103-122	115	80-111	99	-	M	A	H	39-52	47
15	DDW 38	N-5B-16	0	71-76	74	113-124	120	73-81	78	-	M	A	H	35-42	39
16	NIDW 937	N-5B-17	3.0	56-67	63	108-123	117	87-98	93	10	M	A	H	44-48	46
17	HI 8779	N-5B-18	4.0	56-66	62	105-124	117	61-68	65	-	M	A	H	46-48	47
18	MACS 4030	N-5B-19	8.0	55-66	62	102-119	113	90-100	95	-	Ey	A	H	50-53	51
19	RKD 292	N-5B-20	0	62-67	65	110-125	120	78-82	80	-	Ey	A	H	41-44	43
20	UAS 458	N-5B-22	2.0	68-72	70	112-124	119	72-82	79	-	M	A	H	39-45	43
21	UAS 459	N-5B-23	2.0	66-74	70	110-123	118	72-82	76	-	M	A	H	44-46	45
22	GW 1326	N-5B-24	10.0	56-77	67	109-122	117	93-102	96	-	M	A	H	43-50	46
23	DDW 37	N-5B-25	3.0	62-71	67	111-124	119	68-80	74	-	M	A	H	35-46	41
24	AKDW 2997-16 (C)	N-5B-12	0	58-69	65	106-129	119	69-70	69	-	M	A	SH	37-43	41
25	HI 8627 (C)	N-5B-21	3.0	68-75	72	111-124	119	77-84	80	-	M	A	H	42-44	43

1. Ancillary data included from Akola, Niphad and Pune
2. Lodging and Black Point data from Pune centre only