

## 1298-NIVT-5B-RF-TS-TDM-NAT-ZONE, 2012-13

## LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	CZ						PZ								
		KOTA			INDORE			NIPHAD			WASHIM			DHARWAD		
		Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1. K 1218	N-5B-01	27.3	3	1	7.5	25	0	9.0	16	0	13.2	14	0	10.5	25	0
2. GW 1307	N-5B-02	19.3	20	0	15.9	16	0	10.8	5	0	14.4	8	1	13.3	20	0
3. HI 8752	N-5B-03	21.2	16	0	16.3	12	0	15.6	1	1	13.0	16	0	18.6	9	0
4. HI 8753	N-5B-04	24.5	9	1	16.3	14	0	8.4	22	0	9.4	25	0	18.4	10	0
5. AKDW 4791	N-5B-05	23.2	12	1	16.3	12	0	9.6	12	0	11.5	20	0	21.8	3	1
6. UAS 451	N-5B-07	20.9	19	0	23.0	2	1	10.1	8	0	12.3	19	0	18.1	11	0
7. MACS 3923	N-5B-08	23.1	13	1	9.4	24	0	9.6	11	0	12.8	17	0	21.1	4	1
8. MPO 1282	N-5B-09	21.4	15	0	18.6	5	0	8.5	18	0	15.5	5	1	14.8	18	0
9. RKD 262	N-5B-10	21.0	17	0	17.6	8	0	8.1	24	0	17.8	3	1	11.9	22	0
10. DDW 30	N-5B-11	27.3	2	1	15.9	15	0	8.5	21	0	18.2	2	1	12.7	21	0
11. GW 1304	N-5B-12	22.9	14	1	9.9	23	0	8.6	17	0	14.4	10	1	15.6	16	0
12. DDW 29	N-5B-13	24.6	8	1	12.0	21	0	8.2	23	0	13.5	13	0	14.6	19	0
13. HI 8755	N-5B-14	29.1	1	1	17.1	9	0	8.5	20	0	11.0	23	0	11.5	24	0
14. HI 8751	N-5B-15	24.6	7	1	16.8	11	0	15.2	2	1	14.4	8	1	19.6	7	1
15. MPO 1281	N-5B-16	19.0	22	0	15.7	17	0	9.2	14	0	12.6	18	0	17.5	14	0
16. NIDW 755	N-5B-17	19.2	21	0	12.5	20	0	8.5	18	0	17.7	4	1	17.4	15	0
17. MACS 3916	N-5B-18	18.7	23	0	23.8	1	1	9.3	13	0	13.8	12	1	19.4	8	0
18. RKD 256	N-5B-19	17.7	24	0	13.3	19	0	9.7	9	0	11.5	20	0	17.9	13	0
19. HI 8754	N-5B-20	20.9	18	0	20.5	4	1	13.7	4	1	14.6	7	1	20.9	5	1
20. MACS 3927	N-5B-21	25.8	4	1	20.9	3	1	14.1	3	1	13.1	15	0	23.4	1	1
21. GW 1302	N-5B-22	25.7	5	1	18.3	6	0	10.2	7	0	14.3	11	1	15.0	17	0
22. GW 1303	N-5B-23	24.4	10	1	13.8	18	0	8.0	25	0	18.7	1	1	20.0	6	1
23. UAS 450	N-5B-24	17.5	25	0	10.3	22	0	9.1	15	0	9.7	24	0	17.9	12	0
24. HI 8627 (C)	N-5B-06	23.6	11	1	18.0	7	0	9.7	9	0	11.4	22	0	11.9	23	0
25. AKDW 2997-16 (C)	N-5B-25	24.9	6	1	16.9	10	0	10.8	5	0	15.0	6	1	21.9	2	1
Mean =		22.7			15.9			10.0			13.7			17.0		
S.E.m =		2.364			1.495			0.851			1.748			1.279		
C.D. =		7.1			4.4			2.5			5.1			3.8		
C.V. =		14.7			13.3			12.0			18.0			10.6		
D.O.S. (dd.mm.yy)		29.10.12			25.10.12			18.10.12			16.10.12			17.10.12		

No. of Trials : Proposed &amp; Conducted = 10

Trials not Reported (05) : Sagar (RMT), Tanchha (TF), Arnej (LSM, HCV)

Pune (RMT), Dhandhuka (TF)

## 1298-NIVT-5B-RF-TS-TDM-NAT-ZONE, 2012-13

## ZONE AND NATIONAL MEANS (q/ha)

VARIETY	CODE	CZ			PZ			NATIONAL		
		Yield	RK	G	Yield	RK	G	Yield	RK	G
1. K 1218	N-5B-01	17.4	19	0	10.9	24	0	13.5	24	0
2. GW 1307	N-5B-02	17.6	18	0	12.8	18	0	14.7	20	0
3. HI 8752	N-5B-03	18.8	16	1	15.7	5	1	17.0	7	1
4. HI 8753	N-5B-04	20.4	11	1	12.1	22	0	15.4	14	0
5. AKDW 4791	N-5B-05	19.8	13	1	14.3	9	1	16.5	11	0
6. UAS 451	N-5B-07	21.9	4	1	13.5	11	0	16.9	8	1
7. MACS 3923	N-5B-08	16.2	22	0	14.5	8	1	15.2	16	0
8. MPO 1282	N-5B-09	20.0	12	1	12.9	16	0	15.8	12	0
9. RKD 262	N-5B-10	19.3	14	1	12.6	19	0	15.3	15	0
10. DDW 30	N-5B-11	21.6	5	1	13.1	13	0	16.5	10	0
11. GW 1304	N-5B-12	16.4	21	0	12.9	17	0	14.3	22	0
12. DDW 29	N-5B-13	18.3	17	1	12.1	21	0	14.6	21	0
13. HI 8755	N-5B-14	23.1	2	1	10.3	25	0	15.4	13	0
14. HI 8751	N-5B-15	20.7	10	1	16.4	2	1	18.1	3	1
15. MPO 1281	N-5B-16	17.3	20	0	13.1	14	0	14.8	19	0
16. NIDW 755	N-5B-17	15.8	23	0	14.5	7	1	15.1	17	0
17. MACS 3916	N-5B-18	21.2	6	1	14.1	10	1	17.0	5	1
18. RKD 256	N-5B-19	15.5	24	0	13.0	15	0	14.0	23	0
19. HI 8754	N-5B-20	20.7	9	1	16.4	3	1	18.1	2	1
20. MACS 3927	N-5B-21	23.4	1	1	16.8	1	1	19.5	1	1
21. GW 1302	N-5B-22	22.0	3	1	13.1	12	0	16.7	9	1
22. GW 1303	N-5B-23	19.1	15	1	15.6	6	1	17.0	6	1
23. UAS 450	N-5B-24	13.9	25	0	12.3	20	0	12.9	25	0
24. HI 8627 (C)	N-5B-06	20.8	8	1	11.0	23	0	14.9	18	0
25. AKDW 2997-16 (C)	N-5B-25	20.9	7	1	15.9	4	1	17.9	4	1
S.E.m =		1.978			1.097			1.029		
C.D. =		5.5			3.0			2.9		

## 1299-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2012-13

## LOCATIONWISE MEAN YIELDS (q/ha)

VARIETY	CODE	CZ								
		POWARKHEDA			INDORE			KOTA		
		Yield	RK	G	Yield	RK	G	Yield	RK	G
1. K 1218	N-5B-01	33.0	8	0	41.6	18	0	29.7	22	0
2. GW 1307	N-5B-02	29.2	16	0	28.9	25	0	45.8	3	1
3. HI 8752	N-5B-03	31.7	12	0	46.5	11	1	40.5	10	0
4. HI 8753	N-5B-04	31.5	13	0	48.7	4	1	46.6	2	1
5. AKDW 4791	N-5B-05	37.0	6	1	41.9	17	0	36.1	14	0
6. UAS 451	N-5B-07	33.3	7	0	46.3	12	1	32.7	20	0
7. MACS 3923	N-5B-08	17.0	23	0	39.0	21	0	38.9	12	0
8. MPO 1282	N-5B-09	41.0	1	1	44.5	14	1	42.9	6	1
9. RKD 262	N-5B-10	14.0	25	0	45.2	13	1	32.2	21	0
10. DDW 30	N-5B-11	16.2	24	0	49.2	3	1	27.5	24	0
11. GW 1304	N-5B-12	20.1	21	0	31.4	24	0	24.4	25	0
12. DDW 29	N-5B-13	31.8	11	0	47.0	8	1	33.9	18	0
13. HI 8755	N-5B-14	37.8	5	1	43.5	15	0	33.8	19	0
14. HI 8751	N-5B-15	26.1	18	0	47.2	7	1	35.5	15	0
15. MPO 1281	N-5B-16	31.0	15	0	43.1	16	0	36.9	13	0
16. NIDW 755	N-5B-17	31.1	14	0	46.6	10	1	40.9	8	1
17. MACS 3916	N-5B-18	38.9	3	1	46.9	9	1	28.1	23	0
18. RKD 256	N-5B-19	18.2	22	0	38.6	22	0	35.4	16	0
19. HI 8754	N-5B-20	32.5	10	0	39.8	19	0	40.1	11	0
20. MACS 3927	N-5B-21	26.0	19	0	47.8	5	1	42.5	7	1
21. GW 1302	N-5B-22	23.4	20	0	37.2	23	0	40.8	9	1
22. GW 1303	N-5B-23	28.6	17	0	39.3	20	0	34.3	17	0
23. UAS 450	N-5B-24	32.9	9	0	47.7	6	1	44.1	4	1
24. HI 8627 (C)	N-5B-06	38.8	4	1	50.3	1	1	48.8	1	1
25. AKDW 2997-16 (C)	N-5B-25	39.0	2	1	49.5	2	1	43.9	5	1
Mean =		29.6			43.5			37.4		
S.E.m =		1.700			2.315			2.714		
C.D. =		5.1			6.8			7.9		
C.V. =		8.1			7.5			10.3		
D.O.S. (dd.mm.yy)		03.11.12			03.11.12			30.10.12		
No. of Trials : Proposed, Conducted & Reported = 03										

## 1299-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2012-13

## ZONE AND NATIONAL MEANS (q/ha)

VARIETY	CODE	CZ			NATIONAL		
		Yield	RK	G	Yield	RK	G
1. K 1218	N-5B-01	34.8	17	0	34.8	17	0
2. GW 1307	N-5B-02	34.6	18	0	34.6	18	0
3. HI 8752	N-5B-03	39.6	6	0	39.6	6	0
4. HI 8753	N-5B-04	42.2	4	1	42.2	4	1
5. AKDW 4791	N-5B-05	38.3	10	0	38.3	10	0
6. UAS 451	N-5B-07	37.5	13	0	37.5	13	0
7. MACS 3923	N-5B-08	31.6	21	0	31.6	21	0
8. MPO 1282	N-5B-09	42.8	3	1	42.8	3	1
9. RKD 262	N-5B-10	30.4	24	0	30.4	24	0
10. DDW 30	N-5B-11	31.0	22	0	31.0	22	0
11. GW 1304	N-5B-12	25.3	25	0	25.3	25	0
12. DDW 29	N-5B-13	37.6	12	0	37.6	12	0
13. HI 8755	N-5B-14	38.3	9	0	38.3	9	0
14. HI 8751	N-5B-15	36.3	16	0	36.3	16	0
15. MPO 1281	N-5B-16	37.0	15	0	37.0	15	0
16. NIDW 755	N-5B-17	39.5	7	0	39.5	7	0
17. MACS 3916	N-5B-18	38.0	11	0	38.0	11	0
18. RKD 256	N-5B-19	30.7	23	0	30.7	23	0
19. HI 8754	N-5B-20	37.5	14	0	37.5	14	0
20. MACS 3927	N-5B-21	38.8	8	0	38.8	8	0
21. GW 1302	N-5B-22	33.8	20	0	33.8	20	0
22. GW 1303	N-5B-23	34.1	19	0	34.1	19	0
23. UAS 450	N-5B-24	41.6	5	1	41.6	5	1
24. HI 8627 (C)	N-5B-06	45.9	1	1	45.9	1	1
25. AKDW 2997-16 (C)	N-5B-25	44.1	2	1	44.1	2	1
S.E.m =		1.863			1.863		
C.D. =		5.2			5.2		

**Summary of Disease Data and Agronomic Characteristics**

**Central Zone**

**Trial: NIVT-5B-RF-TS-TDM-NAT. Zone, 2012-13**

SN	VARIETY	CODE	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.	K 1218	N-5B-01	64-96	79	118-134	127	45-113	66	10	M	A	H	37-42	40
2.	GW 1307	N-5B-02	69-84	76	113-135	121	51-89	65	15	M	A	H	40-64	50
3.	HI 8752	N-5B-03	56-73	64	107-133	116	51-102	74	40	Ey	A	H	51-63	56
4.	HI 8753	N-5B-04	58-71	64	109-133	118	49-105	66	25	M	A	H	53-60	57
5.	AKDW 4791	N-5B-05	60-86	72	111-134	117	45-98	66	15	Ey	A	H	48-55	51
6.	UAS 451	N-5B-07	62-78	70	113-135	121	51-88	64	15	M	A	H	40-52	45
7.	MACS 3923	N-5B-08	59-75	65	110-134	119	55-82	68	25	M	A	H	50-59	55
8.	MPO 1282	N-5B-09	67-78	73	115-136	122	52-86	64	10	M	A	H	39-52	45
9.	RKD 262	N-5B-10	65-89	76	110-135	118	41-89	62	25	H	A	SH	49-54	51
10.	DDW 30	N-5B-11	75-90	83	116-135	124	46-88	62	10	M	A	SH-H	39-53	46
11.	GW 1304	N-5B-12	59-77	64	109-136	117	62-89	74	20	M-H	A	H	49-55	53
12.	DDW 29	N-5B-13	72-86	78	115-136	123	47-110	66	15	Ey-M	A	H	40-54	46
13.	HI 8755	N-5B-14	66-79	71	114-136	121	52-114	74	25	M	A	H	45-53	49
14.	HI 8751	N-5B-15	58-77	63	104-135	117	54-182	96	15	M	A	H	53-60	57
15.	MPO 1281	N-5B-16	57-85	74	117-135	123	38-82	59	5	Ey	A	SH	41-55	48
16.	NIDW 755	N-5B-17	64-92	75	109-136	118	55-108	73	25	M	A	H	57-60	58
17.	MACS 3916	N-5B-18	56-80	63	96-136	114	53-83	67	30	M	A	H	40-54	47
18.	RKD 256	N-5B-19	58-76	70	110-137	121	47-96	64	15	M	A	H	45-60	54
19.	HI 8754	N-5B-20	60-72	64	107-137	118	55-78	64	15	M	A	H	47-61	53
20.	MACS 3927	N-5B-21	50-77	59	90-138	113	48-90	70	30	Ey-M	A	H	53-61	57
21.	GW 1302	N-5B-22	70-80	76	116-137	122	62-95	78	20	M	A	H	55-60	58
22.	GW 1303	N-5B-23	67-80	72	112-137	120	58-88	70	20	M	A	H	45-50	48
23.	UAS 450	N-5B-24	68-81	74	115-137	122	47-88	62	10	Ey-M	A	H	43-53	47
24.	HI 8627 (C)	N-5B-06	66-77	71	115-135	123	52-109	70	25	M	A	H	44-60	50
25.	AKDW 2997-16 (C)	N-5B-25	65-81	72	113-137	122	42-95	61	10	E-M	A	H	49-63	54

1. Ancillary data from Arnej, Kota, Indore and Dhandhuka
2. Disease incidence not reported from any centre

## Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-5B-RF-TS-TDM-NAT Zone, 2012-13

SN	VARIETY	CODE	AGRONOMIC CHARACTERISTICS							GRAIN CHARACTERISTICS				
			Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex.	TGW.R	TGW.M	
1.	K 1218	N-5B-01	71-74	73	118-121	120	51	57	54	M	A	H	44-55	50
2.	GW 1307	N-5B-02	63-70	67	112-114	113	46	61	54	M	A	H	39-53	46
3.	HI 8752	N-5B-03	54-62	58	107-109	108	55	68	62	Ey-M	A	SO	45-49	47
4.	HI 8753	N-5B-04	62-62	62	107-111	109	43	58	51	Ey-M	A	SO	46-48	47
5.	AKDW 4791	N-5B-05	67-70	69	109-110	110	46	58	52	Ey-M	A	SH	40-49	45
6.	UAS 451	N-5B-07	63-68	66	111-114	113	49	64	57	Ey-M	A	SH	40-47	44
7.	MACS 3923	N-5B-08	59-62	61	105-110	108	58	79	69	Ey-M	A	SH	42-48	45
8.	MPO 1282	N-5B-09	70-76	73	110-119	115	43	56	50	M	A	H	39-40	40
9.	RKD 262	N-5B-10	63-71	67	113-114	114	52	52	52	Ey-M	A	SH	38-51	45
10.	DDW 30	N-5B-11	72-76	74	117-123	120	44	78	61	Ey-M	A	SH	42-51	47
11.	GW 1304	N-5B-12	58-61	60	107-112	110	58	76	67	Ey-M	A	SH	41-49	45
12.	DDW 29	N-5B-13	70-76	73	118-120	119	46	58	52	M	A	H	40-43	42
13.	HI 8755	N-5B-14	67-68	68	108-118	113	44	60	52	M	A	H	45-46	46
14.	HI 8751	N-5B-15	58-72	65	106-106	106	64	71	68	Ey-M	A	SH	53-55	54
15.	MPO 1281	N-5B-16	69-69	69	116-116	116	45	65	55	M	A	H	46-50	48
16.	NIDW 755	N-5B-17	63-71	67	111-113	112	50	62	56	Ey-M	A	SO	40-54	47
17.	MACS 3916	N-5B-18	61-61	61	108-110	109	54	67	61	M	A	SH	35-52	44
18.	RKD 256	N-5B-19	66-70	68	111-119	115	51	63	57	Ey-M	A	SH	38-51	45
19.	HI 8754	N-5B-20	63-63	63	105-109	107	54	68	61	Ey-M	A	SH	47-69	58
20.	MACS 3927	N-5B-21	55-62	59	103-107	105	58	71	65	Ey-M	A	SO	43-52	48
21.	GW 1302	N-5B-22	66-67	67	112-116	114	60	80	70	Ey-M	A	SH	41-56	49
22.	GW 1303	N-5B-23	62-69	66	109-113	111	59	87	73	Ey-M	A	SH	42-43	43
23.	UAS 450	N-5B-24	63-67	65	111-113	112	47	57	52	Ey-M	A	SH	37-50	44
24.	HI 8627 (C)	N-5B-06	68-69	69	110-111	111	46	69	58	M	A	H	45-45	45
25.	AKDW 2997-16 (C)	N-5B-25	61-70	66	112-112	112	51	70	61	Ey-M	A	H	40-56	48

1. Ancillary data from Washim and Niphad
2. Disease incidence not reported from any centre

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-5B-RI-TS-TDM-NAT Zone, 2012-13

SN	VARIETY	CODE	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.	K 1218	N-5B-01	64-84	75	119-136	127	63-125	93	0	M	A	H	40-57	49
2.	GW 1307	N-5B-02	63-82	71	121-136	126	79-98	85	0	M	A	H	34-55	44
3.	HI 8752	N-5B-03	54-84	68	119-137	126	74-97	89	0	Ey-H	A	H	51-53	52
4.	HI 8753	N-5B-04	56-77	66	117-134	125	75-101	84	0	M	A	H	51-59	56
5.	AKDW 4791	N-5B-05	56-77	63	115-132	123	71-120	89	0	Ey	A	SH	49-50	49
6.	UAS 451	N-5B-07	61-78	71	121-135	127	76-98	85	0	M	A	SH	40-60	49
7.	MACS 3923	N-5B-08	56-81	68	120-136	125	61-108	89	0	M	A	H	57-58	57
8.	MPO 1282	N-5B-09	59-84	71	110-137	124	68-93	82	0	M	A	H	46-48	47
9.	RKD 262	N-5B-10	54-77	67	119-137	125	62-122	85	0	M	A	H	48-62	54
10.	DDW 30	N-5B-11	67-81	73	121-133	127	65-90	79	0	M	A	H	43-51	47
11.	GW 1304	N-5B-12	59-77	69	121-133	125	67-101	88	0	M	A	SH	42-64	53
12.	DDW 29	N-5B-13	68-73	70	115-134	124	74-116	88	0	M	A	H	49-64	55
13.	HI 8755	N-5B-14	60-84	71	120-135	126	84-132	102	5	M	A	H	50-62	55
14.	HI 8751	N-5B-15	56-73	66	119-136	126	72-117	92	0	M	A	H	56-60	57
15.	MPO 1281	N-5B-16	61-77	69	119-136	126	61-116	87	0	M	A	SH	45-51	48
16.	NIDW 755	N-5B-17	54-79	69	117-136	124	62-91	75	0	M	A	H	48-52	51
17.	MACS 3916	N-5B-18	55-88	73	117-136	124	59-96	76	80	M	A	H	39-47	43
18.	RKD 256	N-5B-19	60-84	71	120-136	126	71-90	82	0	M	A	H	41-56	51
19.	HI 8754	N-5B-20	59-88	69	114-136	123	74-97	84	0	M	A	H	45-54	50
20.	MACS 3927	N-5B-21	52-75	66	117-137	124	64-86	77	0	M	A	H	62-65	64
21.	GW 1302	N-5B-22	60-77	69	116-135	126	62-103	88	0	Ey	A	SH	37-58	49
22.	GW 1303	N-5B-23	58-81	70	113-135	123	58-108	88	0	M	A	H	42-54	47
23.	UAS 450	N-5B-24	61-83	73	121-135	126	66-98	80	0	M	A	H	45-48	47
24.	HI 8627 (C)	N-5B-06	62-84	76	124-134	129	73-98	84	0	M	A	H	51-56	54
25.	AKDW 2997-16 (C)	N-5B-25	63-85	74	119-135	126	62-120	87	0	M	A	H	46-64	54

1. Ancillary data from Powarkheda, Kota and Indore
2. Disease incidence not reported from any centre