

2308-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ														
			M.P.									Rajasthan					
			Indore			Sagar			Jabalpur (JNKVV)			Powarkheda			Udaipur		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI8856(d)	N801	60.6	4	1	42.8	21	0	51.0	15	0	44.4	16	0	58.8	4	1
2	HI1700	N803	61.1	3	1	44.6	18	0	57.4	7	0	52.1	5	1	50.1	19	0
3	HI8857(d)	N804	48.5	23	0	42.1	22	0	53.0	10	0	40.3	18	0	54.4	9	0
4	DBW469	N805	53.9	12	0	52.1	5	1	57.9	5	0	47.2	12	0	50.2	18	0
5	MP3601	N806	50.9	17	0	56.3	1	1	63.3	3	1	52.1	5	1	52.7	12	0
6	DBW470	N808	51.9	16	0	43.1	20	0	48.3	22	0	47.9	11	0	57.0	6	0
7	MP1405	N809	50.2	18	0	52.7	2	1	57.4	8	0	45.1	15	0	58.3	5	1
8	MACS6851	N810	58.7	6	1	45.3	16	0	49.8	18	0	56.3	2	1	54.7	8	0
9	GW563	N811	48.1	24	0	49.4	10	1	51.0	14	0	47.2	12	0	44.8	24	0
10	AKAW5441	N812	53.3	14	0	46.2	12	0	37.2	24	0	54.2	4	1	35.3	25	0
11	CG1052	N813	55.3	9	0	44.6	17	0	57.6	6	0	55.9	3	1	51.7	14	0
12	UAS487(d)	N814	53.0	15	0	41.2	23	0	50.2	17	0	41.7	17	0	48.9	21	0
13	MACS6850	N815	58.4	7	1	52.4	4	1	34.8	25	0	50.7	7	0	51.8	13	0
14	DDW68(d)	N816	47.4	25	0	45.5	14	0	49.0	20	0	38.2	21	0	51.1	16	0
15	PBN2115	N817	54.5	10	0	51.7	6	1	53.8	9	0	47.9	10	0	65.0	2	1
16	GW1372(d)	N818	48.8	21	0	44.5	19	0	48.9	21	0	30.6	24	0	47.5	22	0
17	HI1702	N820	58.0	8	0	51.0	7	1	51.2	12	0	39.5	19	0	53.8	10	0
18	NIAW4533	N822	53.5	13	0	45.8	13	0	62.3	4	1	50.7	7	0	51.7	15	0
19	HI1701	N823	59.9	5	1	36.2	25	0	49.4	19	0	38.2	21	0	65.3	1	1
20	UAS3034	N824	62.3	2	1	50.8	9	1	66.1	1	1	56.4	1	1	46.0	23	0
21	NIDW1561(d)	N825	49.1	20	0	52.5	3	1	52.6	11	0	29.3	25	0	50.1	19	0
22	HI1605(C)	N819	49.7	19	0	39.0	24	0	64.8	2	1	47.2	12	0	56.2	7	0
23	DBW110(C)	N821	48.6	22	0	50.9	8	1	51.0	16	0	48.6	9	0	53.6	11	0
24	UAS446(d)(C)	N802	54.3	11	0	47.0	11	0	51.1	13	0	38.9	20	0	50.2	17	0
25	HI8627(d)(C)	N807	63.9	1	1	45.5	15	0	39.4	23	0	32.6	23	0	61.8	3	1
G.M.			54.2			46.9			52.3			45.3			52.8		
S.E.(M)			2.794			3.173			2.053			2.328			4.038		
C.D.(10%)			6.8			7.8			5.0			5.6			9.8		
C.V.			7.3			9.6			5.5			7.3			10.8		
D.O.S.(dd.mm.yy)			01.11.23			02.11.23			03.11.23			03.11.23			03.11.23		

No. of Trials : Proposed = 17 Conducted=17
 Trial not conducted (00) = Nil
 Trialsnotreported (03) = CZ:Bilaspur (RMT),SKNagar (LSM)
 PZ:Dharwad (LSM)

2308-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2023-24
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ									PZ			PZ		
			Gujarat									Maharashtra					
			Vijapur			Junagadh			Dhandhuka			Niphad			Pune		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI8856(d)	N801	41.2	16	0	29.7	18	0	30.6	19	0	36.5	18	0	22.2	24	0
2	HI1700	N803	56.0	1	1	35.5	6	1	50.3	1	1	40.8	9	0	38.2	1	1
3	HI8857(d)	N804	44.4	14	0	30.4	15	0	39.2	3	0	40.8	9	0	26.3	19	0
4	DBW469	N805	48.0	9	0	30.6	14	0	32.3	14	0	35.3	21	0	29.0	14	0
5	MP3601	N806	42.0	15	0	27.5	23	0	36.1	10	0	35.4	20	0	24.5	22	0
6	DBW470	N808	49.0	8	0	35.7	4	1	38.2	7	0	33.0	24	0	30.0	12	0
7	MP1405	N809	37.8	18	0	30.2	16	0	28.8	21	0	39.7	13	0	28.8	15	0
8	MACS6851	N810	49.1	7	0	35.7	5	1	30.2	20	0	36.7	17	0	33.9	5	0
9	GW563	N811	52.9	3	1	32.3	12	0	37.5	8	0	46.8	3	1	32.0	8	0
10	AKAW5441	N812	46.2	11	0	35.2	7	1	25.0	22	0	50.0	2	1	29.2	13	0
11	CG1052	N813	53.0	2	1	40.4	1	1	32.3	15	0	44.7	6	1	31.7	9	0
12	UAS487(d)	N814	24.0	24	0	38.3	2	1	38.5	5	0	39.6	15	0	27.7	17	0
13	MACS6850	N815	46.5	10	0	29.8	17	0	31.9	17	0	35.8	19	0	35.5	2	1
14	DDW68(d)	N816	25.6	23	0	24.6	25	0	24.3	23	0	35.2	22	0	24.2	23	0
15	PBN2115	N817	45.2	12	0	35.7	3	1	47.2	2	1	52.0	1	1	32.6	7	0
16	GW1372(d)	N818	31.1	21	0	28.2	20	0	31.3	18	0	28.6	25	0	28.5	16	0
17	HI1702	N820	49.5	6	0	28.1	21	0	35.4	12	0	39.7	14	0	34.1	4	1
18	NIAW4533	N822	52.0	5	1	34.0	8	0	36.1	10	0	46.0	5	1	33.0	6	0
19	HI1701	N823	33.8	20	0	31.3	13	0	32.3	15	0	41.0	8	0	30.6	10	0
20	UAS3034	N824	52.9	4	1	28.1	22	0	38.5	4	0	40.5	12	0	27.5	18	0
21	NIDW1561(d)	N825	34.7	19	0	27.5	24	0	24.3	23	0	33.7	23	0	25.2	20	0
22	HI1605(C)	N819	44.7	13	0	33.8	9	0	38.5	5	0	42.5	7	0	35.2	3	1
23	DBW110(C)	N821	40.0	17	0	33.1	11	0	37.5	8	0	46.5	4	1	30.2	11	0
24	UAS446(d)(C)	N802	21.8	25	0	28.7	19	0	33.3	13	0	40.6	11	0	25.2	21	0
25	HI8627(d)(C)	N807	30.3	22	0	33.7	10	0	19.4	25	0	37.8	16	0	20.7	25	0
G.M.			42.1			31.9			34.0			40.0			29.4		
S.E.(M)			2.614			2.438			4.782			2.805			1.704		
C.D.(10%)			6.5			6.0			11.6			6.8			4.2		
C.V.			8.8			10.8			19.9			9.9			8.2		
D.O.S.(dd.mm.yy)			03.11.23			02.11.23			03.11.23			03.11.23			29.10.23		

2308-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2023-24

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	PZ											
			Maharashtra									Karnataka		
			Dhule			Parbhani			Akola			Nippani		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI8856(d)	N801	21.3	17	0	38.5	19	0	24.5	21	0	24.5	25	0
2	HI1700	N803	36.1	3	1	58.1	2	0	43.2	2	1	43.0	7	0
3	HI8857(d)	N804	18.1	24	0	45.3	13	0	26.6	18	0	35.2	13	0
4	DBW469	N805	23.4	14	0	48.1	10	0	28.1	15	0	27.8	23	0
5	MP3601	N806	20.7	19	0	35.2	23	0	18.9	25	0	25.0	24	0
6	DBW470	N808	24.6	13	0	39.2	17	0	28.6	14	0	39.5	11	0
7	MP1405	N809	20.0	21	0	49.5	7	0	29.1	13	0	43.7	6	0
8	MACS6851	N810	33.3	5	1	52.0	3	0	32.4	10	0	41.3	9	0
9	GW563	N811	25.9	11	0	49.7	6	0	31.4	11	0	35.3	12	0
10	AKAW5441	N812	35.7	4	1	49.1	8	0	45.2	1	1	34.9	14	0
11	CG1052	N813	26.0	10	0	45.7	12	0	34.5	7	0	34.8	15	0
12	UAS487(d)	N814	18.3	23	0	43.6	14	0	24.7	20	0	48.2	3	0
13	MACS6850	N815	16.5	25	0	36.5	20	0	37.3	3	0	34.2	16	0
14	DDW68(d)	N816	21.9	16	0	38.9	18	0	20.6	24	0	45.3	5	0
15	PBN2115	N817	37.6	1	1	62.7	1	1	28.1	16	0	29.0	21	0
16	GW1372(d)	N818	24.7	12	0	34.0	24	0	22.9	22	0	33.5	17	0
17	HI1702	N820	29.9	6	0	51.1	5	0	33.4	9	0	29.1	20	0
18	NIAW4533	N822	29.0	7	0	51.2	4	0	37.1	4	0	32.3	18	0
19	HI1701	N823	21.0	18	0	36.0	22	0	25.2	19	0	29.5	19	0
20	UAS3034	N824	36.7	2	1	49.0	9	0	36.0	5	0	39.6	10	0
21	NIDW1561(d)	N825	28.8	8	0	46.2	11	0	35.3	6	0	57.0	2	1
22	HI1605(C)	N819	22.3	15	0	42.9	16	0	34.3	8	0	42.6	8	0
23	DBW110(C)	N821	28.8	8	0	43.2	15	0	29.9	12	0	45.6	4	0
24	UAS446(d)(C)	N802	20.6	20	0	33.6	25	0	27.0	17	0	28.7	22	0
25	HI8627(d)(C)	N807	18.8	22	0	36.2	21	0	21.1	23	0	57.9	1	1
G.M.			25.6			44.6			30.2			37.5		
S.E.(M)			2.551			2.432			2.794			3.347		
C.D.(10%)			6.2			5.9			6.9			8.3		
C.V.			14.1			7.7			13.1			12.6		
D.O.S.(dd.mm.yy)			03.11.23			04.11.23			05.11.23			05.11.23		

2308-NIVT-5B-RI-TS-TDM-NAT-ZONE,2023-24
ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HI8856(d)	N801	44.9	15	0	27.9	24	0	37.6	21	0
2	HI1700	N803	50.9	1	1	43.2	1	1	47.6	1	1
3	HI8857(d)	N804	44.1	17	0	32.1	18	0	38.9	17	0
4	DBW469	N805	46.5	9	0	31.9	19	0	40.3	14	0
5	MP3601	N806	47.6	6	0	26.6	25	0	38.6	18	0
6	DBW470	N808	46.4	10	0	32.5	16	0	40.4	13	0
7	MP1405	N809	45.1	14	0	35.1	13	0	40.8	12	0
8	MACS6851	N810	47.5	7	0	38.3	4	0	43.5	5	0
9	GW563	N811	45.4	13	0	36.8	9	0	41.7	9	0
10	AKAW5441	N812	41.6	20	0	40.7	2	0	41.2	11	0
11	CG1052	N813	48.8	4	1	36.2	11	0	43.4	6	0
12	UAS487(d)	N814	42.0	19	0	33.7	14	0	38.4	19	0
13	MACS6850	N815	44.5	16	0	32.6	15	0	39.4	15	0
14	DDW68(d)	N816	38.2	25	0	31.0	20	0	35.1	24	0
15	PBN2115	N817	50.1	2	1	40.3	3	0	45.9	2	1
16	GW1372(d)	N818	38.9	24	0	28.7	23	0	34.5	25	0
17	HI1702	N820	45.8	11	0	36.2	12	0	41.7	10	0
18	NIAW4533	N822	48.3	5	0	38.1	6	0	43.9	4	0
19	HI1701	N823	43.3	18	0	30.6	21	0	37.8	20	0
20	UAS3034	N824	50.1	3	1	38.2	5	0	45.0	3	0
21	NIDW1561(d)	N825	40.0	23	0	37.7	7	0	39.0	16	0
22	HI1605(C)	N819	46.7	8	0	36.6	10	0	42.4	7	0
23	DBW110(C)	N821	45.4	12	0	37.4	8	0	42.0	8	0
24	UAS446(d)(C)	N802	40.7	22	0	29.3	22	0	35.8	23	0
25	HI8627(d)(C)	N807	40.8	21	0	32.1	17	0	37.1	22	0
G.M.			44.9			34.6			40.5		
S.E.(M)			1.114			0.812			0.788		
C.D.(10%)			2.6			1.9			1.8		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-5B-RI-TS-TDM, 2023-24

SN	Variety	Code	Disease Reaction		Agronomic Characteristics							Grain Characteristics	
			Bl	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	HI8856(d)	N801	tR	0	60-84	70	110-136	122	66-100	82	20	39-55	46
2	HI1700	N803	0	0	55-89	68	104-139	119	72-106	92	0	36-53	42
3	HI8857(d)	N804	0	0	48-85	63	98-134	117	60-88	77	0	48-67	54
4	DBW469	N805	5MS	0	59-95	71	102-138	122	74-101	89	0	38-59	48
5	MP3601	N806	0	0	48-85	64	98-135	117	54-95	78	0	37-46	41
6	DBW470	N808	5MS	0	54-90	68	100-139	118	69-97	88	5	42-51	46
7	MP1405	N809	0	0	70-98	80	117-137	127	70-105	89	5	34-52	43
8	MACS6851	N810	tR	0	53-90	70	105-138	122	72-115	99	5	43-57	48
9	GW563	N811	0	0	52-91	69	99-137	118	68-119	101	20	39-50	46
10	AKAW5441	N812	tMR	tR	61-90	70	112-136	124	83-124	105	30	34-50	43
11	CG1052	N813	10MR	0	56-91	72	100-138	119	72-113	94	10	41-57	47
12	UAS487(d)	N814	0	0	62-82	70	114-129	121	64-115	84	0	38-55	43
13	MACS6850	N815	0	0	46-78	60	96-132	115	10-113	86	0	51-58	55
14	DDW68(d)	N816	0	0	58-83	69	101-134	122	69-91	82	0	32-46	39
15	PBN2115	N817	tR	0	49-84	66	101-138	118	65-101	90	5	36-53	46
16	GW1372(d)	N818	tMR	tR	63-95	73	112-139	121	82-122	106	25	37-63	48
17	HI1702	N820	0	0	44-81	61	98-139	117	56-97	83	0	41-48	44
18	NIAW4533	N822	0	0	44-86	60	104-138	121	77-99	89	0	45-52	49
19	HI1701	N823	0	0	57-90	69	104-136	123	56-95	78	0	33-51	41
20	UAS3034	N824	5MS	tR	51-89	69	99-139	121	61-99	90	0	46-53	48
21	NIDW1561(d)	N825	0	0	62-88	72	113-135	121	64-96	84	0	34-50	42
22	HI1605(C)	N819	0	0	54-88	69	100-132	118	72-106	93	0	37-51	43
23	DBW110(C)	N821	5MS	0	56-93	73	103-135	120	74-101	90	0	40-48	44
24	UAS446(d)(C)	N802	0	0	58-77	67	102-130	118	68-96	82	5	39-49	43
25	HI8627(d)(C)	N807	tR	0	58-91	73	110-136	125	73-103	90	10	38-60	47

1. Ancillary data from Dhandhuka, Indore, Jabalpur, Sagar, SK Nagar, Powerkheda, Junagadh, Vijapur and Udaipur.
2. Brown rust data from Indore and Black rust data from Vijapur.
3. Data on lodging from Jabalpur, Udaipur and SK Nagar.

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial:NIVT-5B-RI-TS-TDM, 2023-24

SN	Variety	Code	Disease interaction			Agronomic Characteristics						Grain Characteristics	
			Black Rust	Br. Rust	Leaf Blight	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	HI8856(d)	N801	30S	0	01	62-75	68	99-125	113	72-88	78	33-39	35
2	HI1700	N803	0	0	00	52-68	57	92-118	104	88-99	94	32-43	39
3	HI8857(d)	N804	40S	0	00	46-59	51	96-118	105	68-85	76	35-52	43
4	DBW469	N805	5MS	0	01	60-70	65	102-122	110	77-95	88	31-45	38
5	MP3601	N806	10MS	5MR	00	49-59	53	96-114	104	67-82	74	28-45	37
6	DBW470	N808	30S	0	00	48-64	55	94-118	105	80-89	84	29-47	38
7	MP1405	N809	TMS	0	00	62-77	69	103-125	114	77-96	84	26-40	34
8	MACS6851	N810	10MS	5MS	12	50-62	56	96-118	106	85-105	96	32-50	40
9	GW563	N811	10MS	0	12	49-60	54	97-120	105	89-113	99	32-53	43
10	AKAW5441	N812	10MS	0	00	56-75	66	99-128	112	86-115	103	32-44	38
11	CG1052	N813	20S	0	00	56-73	61	96-116	106	80-95	87	30-53	39
12	UAS487(d)	N814	10MS	0	00	60-71	63	103-117	110	72-82	78	27-47	36
13	MACS 6850	N815	10MS	0	00	44-52	49	93-112	101	75-101	88	37-52	47
14	DDW68 (d)	N816	30S	0	01	54-66	59	101-129	113	75-84	79	31-45	37
15	PBN 2115	N817	5MS	0	00	50-59	52	93-115	103	83-96	89	30-54	40
16	GW1372(d)	N818	10MS	0	46	62-78	69	96-120	111	74-113	96	33-43	38
17	HI1702	N820	10MS	0	01	44-54	50	93-115	102	77-89	84	32-48	39
18	NIAW4533	N822	5MS	0	00	45-53	50	93-125	106	83-98	90	34-44	40
19	HI1701	N823	5MS	0	12	52-74	61	101-123	109	64-83	73	28-44	36
20	UAS3034	N824	40S	0	00	48-63	55	94-119	106	75-94	85	27-49	37
21	NIDW1561(d)	N825	10MS	0	00	54-71	63	104-119	110	70-86	79	26-49	37
22	HI1605(C)	N819	40S	0	00	52-63	55	96-127	108	83-95	89	29-47	38
23	DBW110 (C)	N821	20S	0	00	52-69	63	99-123	110	77-86	82	31-43	36
24	UAS446(d)(C)	N802	10S	0	00	55-72	61	99-119	108	74-87	80	30-49	39
25	HI8627(d)(C)	N807	5MR	0	00	66-78	71	99-125	116	73-96	83	34-48	39

1. Ancillary data from Akola, Pune, Niphad, Parbhani, Dharwad, Nippani and Dhule.
2. Black Rust, Leaf blight and Brown rust data from Dharwad.