

1908-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2019-20

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ																	
			MP				Chhatisgarh			Gujarat										
			Indore		Powarkheda		Bilaspur		Vijapur		Dhandhuka		Tanchha							
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G						
1	DBW326	N-801	38.5	11	0	40.1	2	1	44.5	4	1	41.7	4	1	41.0	3	0	25.8	12	0
2	GW528	N-802	36.5	15	0	31.8	17	0	44.2	5	1	43.1	2	1	37.8	6	0	31.5	3	1
3	MP1367	N-803	34.8	19	0	33.5	13	0	34.2	16	0	35.9	11	0	33.4	15	0	22.8	22	0
4	UAS475(d)	N-805	40.6	9	0	28.6	21	0	39.7	12	0	26.2	22	0	31.9	21	0	25.0	16	0
5	DDW55(d)	N-806	46.0	3	1	37.0	7	1	41.0	10	1	30.0	17	0	34.9	13	0	24.3	17	0
6	MACS6753	N-807	38.4	12	0	29.3	20	0	22.8	25	0	39.8	6	1	32.3	20	0	29.5	6	0
7	HD3372	N-808	46.0	4	1	34.1	11	0	34.2	17	0	37.9	8	1	32.8	18	0	24.0	18	0
8	HI8830(d)	N-811	46.9	2	1	40.6	1	1	42.4	9	1	28.1	19	0	37.6	7	0	27.5	9	0
9	HI1655	N-812	47.2	1	1	38.6	6	1	34.4	15	0	42.9	3	1	41.9	2	0	25.1	14	0
10	HD3371	N-813	36.2	17	0	34.6	9	0	27.0	22	0	27.9	20	0	37.4	8	0	29.0	7	0
11	GW1356(d)	N-814	30.2	23	0	25.0	24	0	33.4	18	0	27.3	21	0	45.0	1	1	30.6	4	1
12	NIAW3855	N-815	34.6	20	0	33.9	12	0	44.7	3	1	34.1	13	0	35.4	11	0	25.1	15	0
13	HI8831(d)	N-817	34.6	21	0	40.1	3	1	38.3	13	0	21.9	24	0	36.3	9	0	31.5	2	1
14	MP3523	N-818	33.7	22	0	33.1	15	0	26.4	23	0	34.0	15	0	32.6	19	0	22.9	21	0
15	NIAW3851	N-819	43.0	7	1	35.1	8	0	44.2	7	1	37.5	10	1	37.9	4	0	24.0	19	0
16	CG1036	N-820	40.8	8	0	29.7	19	0	30.8	21	0	44.1	1	1	35.4	11	0	30.1	5	0
17	UAS3014	N-821	38.0	13	0	30.7	18	0	43.7	8	1	40.7	5	1	31.9	21	0	20.9	25	0
18	MP1368	N-822	29.8	25	0	39.8	4	1	45.3	1	1	24.3	23	0	24.3	25	0	23.1	20	0
19	MACS6755	N-823	35.1	18	0	33.3	14	0	24.9	24	0	32.6	16	0	25.8	24	0	26.0	11	0
20	AKAW5088	N-824	36.2	16	0	23.9	25	0	41.0	11	1	35.5	12	0	30.5	23	0	22.6	23	0
21	DBW325	N-825	43.2	6	1	33.0	16	0	36.1	14	0	38.0	7	1	32.9	17	0	21.9	24	0
22	HI1605 (C)	N-809	45.4	5	1	34.4	10	0	44.2	6	1	37.7	9	1	35.6	10	0	28.3	8	0
23	DBW110 (C)	N-810	39.7	10	0	39.6	5	1	31.7	20	0	34.0	14	0	33.3	16	0	32.9	1	1
24	UAS446(d)(C)	N-804	37.6	14	0	26.0	23	0	45.2	2	1	29.7	18	0	37.9	4	0	25.4	13	0
25	HI8627(d) (C)	N-816	30.1	24	0	28.6	21	0	32.4	19	0	21.1	25	0	33.8	14	0	27.2	10	0
G.M.			38.5			33.4			37.1			33.8			34.8			26.3		
S.E.(M)			2.082			2.178			2.071			2.613			0.896			1.125		
C.D. (10%)			5.1			5.3			5.1			6.3			2.2			2.8		
C.V.			7.6			9.2			7.9			10.9			3.6			6.1		
D.O.S.(dd.mm.yy)			06.11.19			05.11.19			05.11.19			07.11.19			18.11.19			25.10.19		

No. of Trials : Proposed = 20 Conducted = 19

Trials not Conducted (01) = Kolhapur

Trials not reported (07) = Sagar (LS), Junagarh (LSM), Arnej (LSM), Niphad (LSM), Akola (LSM)
Parbhani (LSM), Jabalpur (RMT)

1908-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2019-20

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ			PZ														
			Rajasthan			Karnataka					Maharashtra									
			Udaipur			Dharwad		Bagalkot		Nippani	Bailhongal		Pune							
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	DBW326	N-801	47.6	8	1	32.9	3	1	31.0	12	0	26.3	11	0	26.6	14	0	30.4	12	0
2	GW528	N-802	42.4	15	0	29.5	6	0	32.5	9	0	25.0	15	0	19.5	22	0	34.4	4	1
3	MP1367	N-803	36.2	23	0	20.9	24	0	27.8	20	0	35.0	1	1	21.6	19	0	25.0	22	0
4	UAS475(d)	N-805	45.5	10	1	27.2	9	0	27.9	19	0	23.8	18	0	28.5	12	0	25.8	21	0
5	DDW55(d)	N-806	40.4	20	0	33.7	1	1	32.8	8	1	26.7	9	0	24.2	17	0	29.2	16	0
6	MACS6753	N-807	45.0	11	1	33.5	2	1	37.7	3	1	26.9	8	0	32.0	5	1	30.5	11	0
7	HD3372	N-808	36.3	22	0	19.6	25	0	28.4	17	0	22.5	20	0	19.4	24	0	28.7	17	0
8	HI8830(d)	N-811	47.7	7	1	21.7	23	0	25.7	22	0	20.8	22	0	38.4	1	1	27.2	19	0
9	HI1655	N-812	48.9	4	1	29.9	5	0	30.4	13	0	19.8	25	0	27.9	13	0	34.6	3	1
10	HD3371	N-813	48.5	5	1	26.8	11	0	25.3	24	0	31.7	4	1	17.9	25	0	26.5	20	0
11	GW1356(d)	N-814	41.2	19	0	22.2	21	0	32.1	11	0	25.0	15	0	31.7	6	1	13.3	25	0
12	NIAW3855	N-815	49.6	3	1	22.6	19	0	33.3	6	1	30.7	5	1	32.1	3	1	32.3	7	1
13	HI8831(d)	N-817	39.3	21	0	23.3	18	0	26.8	21	0	20.6	24	0	26.2	16	0	24.5	23	0
14	MP3523	N-818	51.5	1	1	26.9	10	0	33.3	6	1	26.5	10	0	29.2	11	0	34.4	5	1
15	NIAW3851	N-819	46.1	9	1	25.4	14	0	33.8	5	1	22.1	21	0	26.5	15	0	31.1	10	1
16	CG1036	N-820	48.5	6	1	25.6	12	0	28.2	18	0	23.5	19	0	22.9	18	0	30.1	15	0
17	UAS3014	N-821	42.0	16	0	31.6	4	1	38.3	1	1	32.3	3	1	30.5	9	0	34.8	1	1
18	MP1368	N-822	43.4	12	1	21.8	22	0	29.4	15	0	26.3	11	0	20.6	21	0	28.2	18	0
19	MACS6755	N-823	41.8	17	0	25.6	13	0	37.5	4	1	32.7	2	1	30.7	8	0	32.3	6	1
20	AKAW5088	N-824	32.1	25	0	22.3	20	0	29.9	14	0	28.5	6	0	32.0	4	1	30.3	14	0
21	DBW325	N-825	49.6	2	1	28.8	7	0	38.3	1	1	24.0	17	0	33.7	2	1	31.8	8	1
22	HI1605 (C)	N-809	41.4	18	0	24.9	17	0	28.6	16	0	26.3	11	0	29.5	10	0	34.7	2	1
23	DBW110 (C)	N-810	34.2	24	0	24.9	16	0	32.3	10	0	20.8	22	0	20.7	20	0	31.8	9	1
24	UAS446(d) (C)	N-804	42.8	14	0	25.2	15	0	25.7	22	0	27.5	7	0	30.9	7	0	30.4	13	0
25	HI8627(d) (C)	N-816	42.9	13	1	27.2	8	0	18.0	25	0	26.0	14	0	19.4	23	0	23.1	24	0
G.M.			43.4			26.2			30.6			26.0			26.9			29.4		
S.E.(M)			3.494			2.333			2.677			2.010			2.999			1.679		
C.D. (10%)			8.6			5.6			6.5			4.9			7.3			4.1		
C.V.			11.4			12.6			12.4			10.9			15.8			8.1		
D.O.S.(dd.mm.yy)			05.11.19			13.11.19			19.11.19			14.11.19			18.11.19			13.11.19		

1908-NIVT-5B-RI-TS-TDM-NAT-ZONE, 2019-20

ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	CZ			PZ			NATIONAL		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	DBW326	N-801	39.9	1	1	29.4	7	0	35.5	1	1
2	GW528	N-802	38.2	5	1	28.2	12	0	34.0	7	1
3	MP1367	N-803	33.0	21	0	26.1	19	0	30.1	22	0
4	UAS475(d)	N-805	33.9	17	0	26.6	16	0	30.9	17	0
5	DDW55(d)	N-806	36.2	10	0	29.3	8	0	33.4	10	0
6	MACS6753	N-807	33.9	18	0	32.1	2	1	33.1	11	0
7	HD3372	N-808	35.0	13	0	23.7	24	0	30.3	20	0
8	HI8830(d)	N-811	38.7	3	1	26.8	15	0	33.7	9	0
9	HI1655	N-812	39.9	2	1	28.5	11	0	35.1	2	1
10	HD3371	N-813	34.4	16	0	25.6	20	0	30.7	18	0
11	GW1356(d)	N-814	33.2	20	0	24.8	22	0	29.7	23	0
12	NIAW3855	N-815	36.8	8	0	30.2	5	0	34.0	6	1
13	HI8831(d)	N-817	34.6	15	0	24.3	23	0	30.3	21	0
14	MP3523	N-818	33.5	19	0	30.0	6	0	32.0	13	0
15	NIAW3851	N-819	38.3	4	1	27.8	14	0	33.9	8	0
16	CG1036	N-820	37.1	7	0	26.1	18	0	32.5	12	0
17	UAS3014	N-821	35.4	11	0	33.5	1	1	34.6	3	1
18	MP1368	N-822	32.8	22	0	25.2	21	0	29.7	24	0
19	MACS6755	N-823	31.4	24	0	31.8	3	1	31.5	15	0
20	AKAW5088	N-824	31.7	23	0	28.6	10	0	30.4	19	0
21	DBW325	N-825	36.4	9	0	31.3	4	1	34.3	4	1
22	HI1605 (C)	N-809	38.1	6	1	28.8	9	0	34.3	5	1
23	DBW110 (C)	N-810	35.1	12	0	26.1	17	0	31.3	16	0
24	UAS446(d) (C)	N-804	34.9	14	0	27.9	13	0	32.0	14	0
25	HI8627(d) (C)	N-816	30.9	25	0	22.8	25	0	27.5	25	0
G.M.			35.3			27.8			32.2		
S.E.(M)			0.839			1.067			0.661		
C.D. (10%)			2.0			2.5			1.5		

Summary of Agronomic Characteristics

Central Zone

Trial: NIVT-5B-RI-TS-TDM, 2019-20

SN	Variety	Code	Agronomic Characteristics								Grain Characteristics			
			Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.Mx	Thr.	Col.	Tex.	TGW.R	TGW.M
1	DBW326	N-801	54 - 80	65	100 - 127	117	66 - 102	85	0	Ey	A	SH	40 - 61	47
2	GW528	N-802	50 - 74	60	89 - 127	115	69 - 95	83	0	Ey	A	SH	42 - 56	47
3	MP1367	N-803	44 - 78	56	85 - 125	113	51 - 92	79	0	Ey	A	SH	41 - 53	47
4	UAS475(d)	N-805	64 - 82	72	105 - 130	120	66 - 125	83	0	Ey	A	SH	32 - 48	42
5	DDW55(d)	N-806	57 - 75	63	100 - 125	116	67 - 97	83	0	Ey	A	SH	42 - 59	51
6	MACS6753	N-807	46 - 76	57	84 - 123	113	65 - 117	91	0	Ey	A	SH	40 - 59	47
7	HD3372	N-808	50 - 75	60	96 - 126	116	69 - 94	84	0	Ey	A	SH	36 - 56	48
8	HI8830(d)	N-811	63 - 79	69	109 - 130	119	68 - 104	84	0	Ey	A	SH	41 - 58	48
9	HI1655	N-812	53 - 78	63	99 - 130	120	71 - 106	91	0	Ey	A	SH	37 - 62	47
10	HD3371	N-813	58 - 86	72	102 - 134	119	67 - 110	87	0	Ey	A	SH	31 - 59	43
11	GW1356(d)	N-814	51 - 71	61	98 - 125	114	60 - 101	83	20	Ey	A	SH	36 - 64	50
12	NIAW3855	N-815	53 - 79	65	93 - 125	116	73 - 100	86	0	Ey	A	SH	43 - 60	48
13	HI8831(d)	N-817	62 - 78	69	109 - 130	119	59 - 103	80	20	Ey	A	H	37 - 60	48
14	MP3523	N-818	43 - 69	55	84 - 128	114	65 - 97	83	0	Ey	A	SH	41 - 63	48
15	NIAW3851	N-819	52 - 79	63	92 - 127	116	68 - 98	85	0	Ey	A	SH	44 - 57	49
16	CG1036	N-820	51 - 76	59	100 - 127	114	55 - 95	76	0	Ey	A	SH	41 - 62	49
17	UAS3014	N-821	50 - 80	67	97 - 130	117	68 - 105	89	10	Ey	A	SH	38 - 61	47
18	MP1368	N-822	40 - 89	59	82 - 127	112	56 - 104	80	0	Ey	A	SH	44 - 63	50
19	MACS6755	N-823	48 - 76	60	92 - 126	115	65 - 117	92	0	Ey	A	SH	39 - 63	50
20	AKAW5088	N-824	43 - 74	57	84 - 124	113	63 - 112	90	0	Ey	A	SH	41 - 61	48
21	DBW325	N-825	54 - 76	64	98 - 126	115	68 - 99	83	0	Ey	A	SH	38 - 55	46
22	UAS446(d)(C)	N-804	59 - 76	66	101 - 129	117	67 - 103	80	0	Ey	A	SH	34 - 48	43
23	HI1605 (C)	N-809	55 - 77	63	98 - 124	116	69 - 103	88	0	Ey	A	SH	37 - 58	45
24	DBW110 (C)	N-810	49 - 79	62	103 - 130	117	70 - 99	83	0	Ey	A	SH	36 - 53	44
25	HI8627(d) (C)	N-816	46 - 86	73	110 - 136	122	68 - 110	84	0	Ey	A	SH	34 - 58	45

1. Ancillary data from Arnej, Bilaspur, Dhandhuka, Indore, Jabalpur, Junagarh, Powarkheda, Sagar, Tanchha, Udaipur and Vijapur.
2. No rust incidence was reported in this trial from any centre.
3. Lodging data from Arnej, Bilaspur, Indore, Jabalpur, Junagarh, Sagar, Tanchha, Udaipur and Vijapur centre.

Summary of Agronomic Characteristics

Peninsular Zone

Trial: NIVT-5B-RI-TS-TDM, 2019-20

SN	Variety	Code	Rust Reaction		Agronomic Characteristics							Grain Characteristics				
			Br	BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.Mx	Thr.	Col.	Tex.	TGW.R	TGW.M
1	DBW326	N-801	0	tMS	52 - 63	56	99 - 109	104	68 - 82	74	0	Ey	A	SH	36 - 46	41
2	GW528	N-802	0	0	47 - 60	53	98 - 115	103	67 - 88	73	0	Ey	A	SH	35 - 43	38
3	MP1367	N-803	5MR	0	44 - 55	50	96 - 110	100	48 - 81	60	0	Ey	A	SH	33 - 51	41
4	UAS475(d)	N-805	0	0	49 - 75	60	100 - 110	105	65 - 76	72	0	Ey	A	SH	29 - 38	33
5	DDW55(d)	N-806	5MR	5MR	52 - 62	56	100 - 110	104	65 - 71	68	0	Ey	A	SH	38 - 44	42
6	MACS6753	N-807	0	0	43 - 55	49	97 - 111	101	66 - 91	75	5	Ey	A	SH	34 - 47	39
7	HD3372	N-808	5MR	0	49 - 60	54	99 - 116	104	65 - 76	69	0	Ey	A	SH	37 - 41	39
8	HI8830(d)	N-811	0	0	52 - 71	60	100 - 113	106	70 - 81	74	0	Ey	A	SH	38 - 43	41
9	HI1655	N-812	0	0	49 - 65	55	94 - 110	102	64 - 86	73	0	Ey	A	SH	32 - 43	39
10	HD3371	N-813	0	0	53 - 74	62	100 - 116	109	66 - 76	72	10	Ey	A	SH	31 - 39	35
11	GW1356(d)	N-814	40S	10MS	50 - 66	58	100 - 110	106	61 - 77	67	20	Ey	A	SH	34 - 49	39
12	NIAW3855	N-815	5MR	0	48 - 66	56	98 - 111	105	68 - 85	73	0	Ey	A	SH	38 - 43	41
13	HI8831(d)	N-817	0	0	54 - 68	62	99 - 114	109	65 - 73	69	20	Ey	A	H	27 - 42	35
14	MP3523	N-818	tMR	0	43 - 55	49	96 - 109	100	60 - 79	67	0	Ey	A	SH	35 - 44	40
15	NIAW3851	N-819	5MR	0	53 - 64	57	97 - 110	104	65 - 74	70	0	Ey	A	SH	36 - 45	40
16	CG1036	N-820	0	0	48 - 58	53	98 - 113	103	55 - 71	61	0	Ey	A	SH	35 - 47	41
17	UAS3014	N-821	5MS	0	50 - 66	57	100 - 110	104	71 - 83	76	0	Ey	A	SH	36 - 42	39
18	MP1368	N-822	5MR	0	43 - 55	48	94 - 107	100	58 - 80	67	0	Ey	A	SH	36 - 46	42
19	MACS6755	N-823	0	0	48 - 60	53	99 - 112	103	74 - 95	79	20	Ey	A	SH	41 - 53	47
20	AKAW5088	N-824	10MS	0	43 - 53	48	95 - 106	99	63 - 99	76	0	Ey	A	SH	35 - 48	42
21	DBW325	N-825	0	0	50 - 65	55	100 - 114	104	62 - 74	67	0	Ey	A	SH	33 - 43	40
22	UAS446(d) (C)	N-804	0	0	48 - 65	56	101 - 113	104	66 - 77	71	0	Ey	A	SH	33 - 38	36
23	HI1605 (C)	N-809	5MR	5MR	51 - 64	57	99 - 114	105	71 - 81	75	0	Ey	A	SH	32 - 43	38
24	DBW110 (C)	N-810	5MR	0	49 - 62	54	97 - 116	103	68 - 76	71	0	Ey	A	SH	35 - 40	38
25	HI8627(d) (C)	N-816	0	0	53 - 74	67	101 - 116	111	71 - 83	78	30	Ey	A	SH	36 - 41	38

1. Ancillary data from Akola, Bagalkot, Bailhongal, Dharwad, Niphad, Nippani, Parbhani and Pune.
2. Lodging data from Parbhani and Pune.
3. Black rust & Leaf Blight data from Dharwad centre only, whereas, Brown rust data from Bailhongal & Dharwad only.

Individual station disease data

SN	Variety	Code	Black rust	Brown Rust		Leaf Blight
			Dharwad	Bailhongal	Dharwad	Dharwad
1	DBW326	N-801	tMS	0	0	0
2	GW528	N-802	0	0	0	0
3	MP1367	N-803	0	0	5MR	0
4	UAS475(d)	N-805	0	0	0	0
5	DDW55(d)	N-806	5MR	0	5MR	0
6	MACS6753	N-807	0	0	0	0
7	HD3372	N-808	0	0	5MR	0
8	HI8830(d)	N-811	0	0	0	0
9	HI1655	N-812	0	0	0	0
10	HD3371	N-813	0	0	0	0
11	GW1356(d)	N-814	10MS	10S	40S	0
12	NIAW3855	N-815	0	0	5MR	0
13	HI8831(d)	N-817	0	0	0	12
14	MP3523	N-818	0	0	tMR	0
15	NIAW3851	N-819	0	0	5MR	0
16	CG1036	N-820	0	0	0	0
17	UAS3014	N-821	0	0	5MS	0
18	MP1368	N-822	0	0	5MR	0
19	MACS6755	N-823	0	0	0	0
20	AKAW5088	N-824	0	0	10MS	0
21	DBW325	N-825	0	0	0	0
22	UAS446(d) (C)	N-804	0	0	0	0
23	HI1605 (C)	N-809	5MR	0	5MR	0
24	DBW110 (C)	N-810	0	0	5MR	0
25	HI8627(d) (C)	N-816	0	0	0	0