

1805-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2018-19
LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	CZ																	
			MP								Chhattisgarh									
			Indore			Powarkheda			Gwalior		Jabalpur			Bilaspur		Raipur				
Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	CG 1032	N-501	31.6	22	0	45.1	12	0	65.5	16	0	66.7	17	0	37.0	1	1	47.2	2	1
2	GW 518	N-502	42.1	3	1	56.7	1	1	75.9	3	1	65.9	19	0	35.3	9	1	43.2	8	1
3	MACS 6749	N-503	32.9	19	0	55.0	2	1	66.9	13	0	71.8	11	0	36.8	4	1	45.1	3	1
4	NIAW 3578	N-504	29.3	23	0	24.9	25	0	39.6	25	0	82.6	2	1	29.1	21	0	36.2	21	0
5	UAS 3008	N-505	41.1	7	1	49.8	5	1	66.2	15	0	77.1	3	1	31.1	17	1	48.5	1	1
6	DBW 295	N-506	35.2	14	0	39.4	22	0	67.0	12	0	71.5	12	0	35.1	10	1	37.4	18	0
7	MP 3514	N-507	34.1	17	0	41.1	21	0	68.1	8	0	68.8	16	0	36.3	5	1	38.4	16	0
8	HI 1641	N-508	42.8	1	1	46.3	10	0	67.6	9	0	48.8	24	0	35.1	10	1	40.4	13	0
9	MAC S6752	N-509	33.1	18	0	43.4	17	0	70.8	6	0	76.1	6	1	31.7	15	1	35.4	23	0
10	MP 3516	N-510	36.9	10	0	46.3	10	0	67.5	10	0	72.8	9	0	25.6	23	0	44.5	6	1
11	Lok 75	N-511	34.4	15	0	25.5	24	0	57.5	23	0	76.6	4	1	35.6	6	1	35.2	24	0
12	AKAW 4927	N-512	28.5	25	0	47.5	8	0	71.1	5	0	31.0	25	0	30.0	18	0	37.6	17	0
13	MP 1362	N-513	38.5	8	1	41.7	19	0	66.9	14	0	62.7	22	0	31.3	16	1	44.8	4	1
14	RVW 4281	N-514	36.8	11	0	47.5	9	0	67.1	11	0	76.2	5	1	25.2	24	0	40.0	14	0
15	WH 1267	N-515	28.6	24	0	41.7	19	0	60.4	20	0	72.7	10	0	22.5	25	0	33.1	25	0
16	GW 519	N-516	34.3	16	0	48.6	7	0	65.3	17	0	57.1	23	0	36.9	2	1	40.4	12	0
17	HD 3344	N-517	36.2	12	0	49.8	5	1	59.0	22	0	70.1	13	0	36.9	2	1	36.8	19	0
18	RVW 4276	N-518	42.0	4	1	45.1	12	0	61.6	19	0	62.9	21	0	29.6	19	0	35.7	22	0
19	HI 1642	N-519	42.8	2	1	45.1	12	0	64.2	18	0	84.8	1	1	26.0	22	0	39.6	15	0
20	NIAW 3583	N-520	38.5	9	1	34.1	23	0	53.3	24	0	72.9	8	0	35.1	10	1	36.8	20	0
21	PBW 815	N-523	32.8	20	0	43.4	17	0	72.6	4	1	69.7	14	0	33.2	13	1	44.5	5	1
22	HI 1646	N-524	41.6	5	1	45.1	12	0	84.4	1	1	69.1	15	0	35.4	7	1	42.5	10	0
23	TAW 154	N-525	32.3	21	0	44.0	16	0	70.5	7	0	66.7	18	0	29.6	19	0	40.4	11	0
24	HD 2932 (C)	N-521	41.2	6	1	53.2	3	1	81.8	2	1	64.4	20	0	35.4	7	1	44.2	7	1
25	HD 2864 (C)	N-522	36.1	13	0	51.5	4	1	59.6	21	0	74.7	7	0	33.1	14	1	42.8	9	0
G.M.			36.1			44.5			66.0			68.5			32.4			40.4		
S.E.(M)			2.161			2.292			5.087			3.892			2.549			2.258		
C.D. (10%)			5.3			5.5			12.6			9.6			6.2			5.6		
C.V.			8.5			7.3			10.9			8.0			11.1			7.9		
D.O.S.(dd.mm.yy)			07.12.18			06.12.18			06.12.18			12.12.18			13.12.18			07.12.18		

No. of Trials : Proposed = 15

Conducted = 15

1805-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2018-19
LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	CZ								PZ									
			Gujarat				Rajasthan				Maharashtra									
			Junagadh		Vijapur		Kota		Udaipur		Niphad		Pune							
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	CG 1032	N-501	30.2	18	0	49.5	4	1	48.5	17	0	53.2	10	0	50.6	4	0	57.4	8	1
2	GW 518	N-502	27.1	25	0	46.3	5	1	52.7	8	0	46.4	19	0	39.7	21	0	52.9	14	0
3	MACS 6749	N-503	29.8	21	0	41.2	18	0	59.3	2	1	44.7	20	0	45.7	10	0	62.0	3	1
4	NIAW 3578	N-504	31.4	14	0	37.1	24	0	51.3	12	0	34.4	24	0	41.7	18	0	43.9	25	0
5	UAS 3008	N-505	36.4	3	1	46.2	6	1	51.2	13	0	54.9	7	0	59.1	1	1	56.6	10	0
6	DBW 295	N-506	32.0	12	0	41.5	17	0	43.5	21	0	64.2	1	1	43.6	14	0	50.5	21	0
7	MP 3514	N-507	33.8	6	0	43.4	13	0	41.6	22	0	47.3	17	0	39.1	22	0	56.8	9	0
8	HI 1641	N-508	34.8	5	1	39.9	21	0	51.9	10	0	53.9	8	0	48.6	5	0	59.2	6	1
9	MAC S6752	N-509	30.6	17	0	45.0	9	0	55.0	5	0	42.2	22	0	47.1	8	0	61.3	4	1
10	MP 3516	N-510	29.9	20	0	40.3	20	0	47.1	19	0	56.0	6	0	51.1	3	1	49.0	24	0
11	Lok 75	N-511	29.1	22	0	45.6	8	0	47.5	18	0	44.7	20	0	40.1	19	0	55.5	12	0
12	AKAW 4927	N-512	27.4	24	0	49.8	2	1	37.3	24	0	57.8	4	1	38.6	23	0	50.5	20	0
13	MP 1362	N-513	32.4	10	0	42.0	14	0	51.4	11	0	51.5	11	0	43.5	15	0	50.7	19	0
14	RVW 4281	N-514	27.9	23	0	43.6	12	0	43.6	20	0	50.3	12	0	39.7	20	0	52.0	15	0
15	WH 1267	N-515	32.7	9	0	36.1	25	0	48.5	16	0	60.6	3	1	45.0	11	0	51.6	17	0
16	GW 519	N-516	38.0	1	1	41.7	15	0	40.2	23	0	46.5	18	0	44.6	13	0	50.4	22	0
17	HD 3344	N-517	37.3	2	1	40.7	19	0	49.7	14	0	53.4	9	0	48.4	6	0	53.0	13	0
18	RVW 4276	N-518	32.4	11	0	44.4	11	0	64.7	1	1	49.0	14	0	48.1	7	0	55.7	11	0
19	HI 1642	N-519	33.1	8	0	49.6	3	1	54.9	6	0	57.6	5	1	44.8	12	0	62.4	2	1
20	NIAW 3583	N-520	31.4	15	0	41.7	15	0	29.9	25	0	47.6	16	0	36.2	24	0	49.0	23	0
21	PBW 815	N-523	35.7	4	1	39.8	22	0	49.5	15	0	48.4	15	0	43.0	16	0	51.6	16	0
22	HI 1646	N-524	30.2	19	0	50.8	1	1	57.5	3	1	62.3	2	1	52.7	2	1	59.0	7	1
23	TAW 154	N-525	30.8	16	0	37.3	23	0	52.7	7	0	32.1	25	0	33.8	25	0	51.3	18	0
24	HD 2932 (C)	N-521	31.5	13	0	46.0	7	1	55.3	4	0	49.0	13	0	42.9	17	0	62.4	1	1
25	HD 2864 (C)	N-522	33.3	7	0	45.0	9	0	52.4	9	0	40.4	23	0	46.7	9	0	60.6	5	1
G.M.			32.0			43.4			49.5			49.9			44.6			54.6		
S.E.(M)			1.716			2.625			3.281			2.993			3.390			2.271		
C.D. (10%)			4.2			6.4			8.1			7.2			8.4			5.5		
C.V.			7.6			8.6			9.4			8.5			10.8			5.9		
D.O.S.(dd.mm.yy)			11.12.18			06.12.18			08.12.18			05.12.18			04.12.18			06.12.18		

1805-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2018-19

LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	PZ								
			Maharashtra						Karnataka		
			Akola			Parbhani			Dharwad		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	CG 1032	N-501	36.1	18	0	40.8	21	0	44.9	8	1
2	GW 518	N-502	42.9	7	1	43.5	16	0	41.3	12	1
3	MACS 6749	N-503	39.8	13	0	45.2	9	0	43.8	9	1
4	NIAW 3578	N-504	36.1	20	0	38.6	23	0	37.5	17	0
5	UAS 3008	N-505	46.0	3	1	50.5	3	1	50.4	2	1
6	DBW 295	N-506	36.1	19	0	37.9	25	0	35.9	19	0
7	MP 3514	N-507	40.5	11	1	41.5	19	0	39.8	14	0
8	HI 1641	N-508	43.3	6	1	43.3	17	0	50.5	1	1
9	MAC S6752	N-509	40.3	12	1	45.0	11	0	50.0	3	1
10	MP 3516	N-510	31.9	25	0	49.5	6	1	46.7	6	1
11	Lok 75	N-511	38.9	14	0	41.9	18	0	39.5	15	0
12	AKAW 4927	N-512	35.8	21	0	45.8	7	0	27.5	23	0
13	MP 1362	N-513	37.3	16	0	45.1	10	0	40.5	13	0
14	RVW 4281	N-514	41.0	10	1	43.6	15	0	43.1	11	1
15	WH 1267	N-515	41.2	9	1	44.0	14	0	37.3	18	0
16	GW 519	N-516	38.1	15	0	55.2	2	1	48.3	4	1
17	HD 3344	N-517	36.3	17	0	44.3	13	0	20.6	24	0
18	RVW 4276	N-518	49.0	1	1	40.2	22	0	39.1	16	0
19	HI 1642	N-519	46.6	2	1	38.6	23	0	47.3	5	1
20	NIAW 3583	N-520	44.8	4	1	49.5	5	1	46.4	7	1
21	PBW 815	N-523	34.3	23	0	59.2	1	1	33.0	21	0
22	HI 1646	N-524	43.6	5	1	50.1	4	1	32.9	22	0
23	TAW 154	N-525	34.4	22	0	44.8	12	0	11.0	25	0
24	HD 2932 (C)	N-521	34.0	24	0	45.3	8	0	34.9	20	0
25	HD 2864 (C)	N-522	41.4	8	1	41.1	20	0	43.7	10	1
G.M.			39.6			45.0			39.4		
S.E.(M)			2.674			3.596			3.658		
C.D. (10%)			6.5			8.7			8.9		
C.V.			9.6			11.3			13.1		
D.O.S.(dd.mm.yy)			05.12.18			04.12.18			01.12.18		

1805-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2018-19
ZONAL AND NATIONAL MEANS (q/ha)

S.N.	Variety	Code	CZ			PZ			NATIONAL		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	CG 1032	N-501	47.5	7	0	46.0	10	0	47.0	9	0
2	GW 518	N-502	49.2	5	0	44.1	14	0	47.5	6	0
3	MACS 6749	N-503	48.3	6	0	47.3	7	0	48.0	5	0
4	NIAW 3578	N-504	39.6	25	0	39.6	24	0	39.6	25	0
5	UAS 3008	N-505	50.2	2	1	52.5	1	1	51.0	1	1
6	DBW 295	N-506	46.7	13	0	40.8	21	0	44.7	18	0
7	MP 3514	N-507	45.3	18	0	43.6	18	0	44.7	19	0
8	HI 1641	N-508	46.2	16	0	49.0	2	0	47.1	8	0
9	MAC S6752	N-509	46.3	14	0	48.7	3	0	47.1	7	0
10	MP 3516	N-510	46.7	12	0	45.6	11	0	46.3	12	0
11	Lok 75	N-511	43.2	22	0	43.2	20	0	43.2	21	0
12	AKAW 4927	N-512	41.8	24	0	39.6	23	0	41.1	23	0
13	MP 1362	N-513	46.3	15	0	43.4	19	0	45.3	15	0
14	RVW 4281	N-514	45.8	17	0	43.9	16	0	45.2	16	0
15	WH 1267	N-515	43.7	20	0	43.8	17	0	43.7	20	0
16	GW 519	N-516	44.9	19	0	47.3	6	0	45.7	14	0
17	HD 3344	N-517	47.0	8	0	40.5	22	0	44.8	17	0
18	RVW 4276	N-518	46.8	11	0	46.4	9	0	46.6	11	0
19	HI 1642	N-519	49.8	4	1	47.9	4	0	49.2	3	1
20	NIAW 3583	N-520	42.1	23	0	45.2	12	0	43.2	22	0
21	PBW 815	N-523	47.0	9	0	44.2	13	0	46.1	13	0
22	HI 1646	N-524	51.9	1	1	47.7	5	0	50.5	2	1
23	TAW 154	N-525	43.6	21	0	35.1	25	0	40.8	24	0
24	HD 2932 (C)	N-521	50.2	3	1	43.9	15	0	48.1	4	0
25	HD 2864 (C)	N-522	46.9	10	0	46.7	8	0	46.8	10	0
G.M.			46.3			44.6			45.7		
S.E.(M)			0.960			1.416			0.795		
C.D. (10%)			2.2			3.3			1.8		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-3B-IR-LS-TAS, 2018-19

SN	Variety	Code	Rust Reaction		Agronomic Characteristics								Grain Characteristics			
			BI	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	CG1032	N-501	0	0	53-81	69	88-125	111	67-99	84	10	M	A	SH	31-45	38
2.	GW518	N-502	tR	0	48-75	65	87-125	110	71-102	89	0	Ey	A	SH	36-50	43
3.	MACS6749	N-503	tMR	tR	51-78	69	89-125	113	70-104	88	0	Ey	A	SH	31-46	37
4.	NIAW3578	N-504	10MR	tMS	49-79	68	88-126	113	72-107	90	50	Ey	A	SH	31-57	39
5.	UAS 3008	N-505	10MS	0	51-79	67	90-126	112	74-106	92	20	Ey	A	SH	34-53	40
6.	DBW295	N-506	tR	tR	55-82	72	89-131	114	74-114	97	10	Ey	A	SH	32-48	38
7.	MP3514	N-507	tR	0	54-79	70	91-125	112	68-99	84	0	Ey	A	SH	29-46	36
8.	HI1641	N-508	tR	0	51-81	69	89-130	113	73-117	97	30	Ey	A	SH	34-47	39
9.	MACS6752	N-509	tR	0	52-82	70	90-127	114	72-110	91	20	Ey	A	SH	28-45	37
10.	MP3516	N-510	20MS	tMS	52-83	70	89-125	114	71-103	92	5	Ey-M	A	SH	30-43	38
11.	Lok75	N-511	10R	tR	51-88	71	92-125	115	65-102	86	50	M	A	SH	35-48	43
12.	AKAW 4927	N-512	10MS	10S	53-83	69	91-125	115	68-107	88	5	Ey	A	SH	33-58	46
13.	MP1362	N-513	10MR	tMS	52-78	67	88-124	111	81-107	95	5	Ey	A	SH	34-51	43
14.	RVW4281	N-514	40S	tMS	46-77	66	81-123	108	67-105	92	0	Ey	A	SH	37-48	42
15.	WH1267	N-515	tS	tR	55-83	71	92-124	114	72-103	90	15	Ey	A	SH	29-46	36
16.	GW519	N-516	tR	tMS	52-85	71	91-130	115	71-106	88	10	Ey	A	SH	33-48	42
17.	HD3344	N-517	tS	tMS	56-82	71	93-132	115	70-101	88	0	Ey-M	A	SH	31-46	38
18.	RVW4276	N-518	tR	0	46-73	64	88-124	110	69-102	89	5	Ey-M	A	SH	33-50	39
19.	HI1642	N-519	tR	TR	50-77	66	88-124	110	71-103	92	30	Ey	A	SH	34-55	44
20.	NIAW3583	N-520	tR	0	48-79	67	84-124	110	76-135	104	45	Ey	A	SH	39-52	44
21.	PBW815	N-523	tS	0	55-81	72	92-123	114	79-107	95	20	Ey	A	SH	33-48	40
22.	HI1646	N-524	10R	tR	52-80	69	90-126	114	71-108	90	0	Ey	A	SH	34-52	39
23.	TAW154	N-525	10MS	tR	59-81	72	96-125	116	70-99	85	5	Ey	A	SH	33-46	39
24.	HD2932 (C)	N-521	10MR	tMS	52-82	69	91-125	113	72-108	90	0	Ey	A	SH	33-50	39
25.	HD2864 (C)	N-522	tR	0	50-77	66	92-123	112	70-99	87	5	Ey	A	SH	30-47	37

1. Ancillary data from Raipur, Bilaspur, Indore, Jabalpur, Junagadh, Powarkheda, Gwalior, Udaipur and Vijapur.
2. Black rust Rust data from Vijapur; brown rust data from Junagadh and Vijapur.
3. Lodging data from Gwalior, Jabalpur and Powarkheda.

NIVT-3B-IR-LS-TAS, 2018-19
Central Zone
Individual Station Rust Data

SN	Variety	Code	Brown Rust	
			Junagadh	Vijapur
1	CG1032	N-501	0	0
2	GW518	N-502	0	0
3	MACS6749	N-503	tR	0
4	NIAW3578	N-504	tMS	0
5	UAS 3008	N-505	0	0
6	DBW295	N-506	tR	0
7	MP3514	N-507	0	0
8	HI1641	N-508	0	0
9	MACS6752	N-509	0	0
10	MP3516	N-510	tMS	0
11	Lok75	N-511	tR	0
12	AKAW 4927	N-512	10S	0
13	MP1362	N-513	tMS	0
14	RVW4281	N-514	tMS	0
15	WH1267	N-515	tR	0
16	GW519	N-516	tMS	0
17	HD3344	N-517	tMS	0
18	RVW4276	N-518	0	0
19	HI1642	N-519	tR	0
20	NIAW3583	N-520	0	0
21	PBW815	N-523	0	0
22	HI1646	N-524	tR	tR
23	TAW154	N-525	tR	0
24	HD2932 (C)	N-521	tMS	0
25	HD2864 (C)	N-522	0	0

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-3B-IR-LS-TAS, 2016-17

SN	Variety	Code	Disease Reactions			Agronomic Characteristics								Grain Characteristics			
			Brown Rust	Black Rust	Black Point	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	CG1032	N-501	0	0	4	54-70	62	102-108	106	71-94	84	0	Ey	A	SH	36-43	40
2.	GW518	N-502	0	tMR	2	51-65	58	100-108	104	70-97	88	5	Ey	A	SH	40-49	44
3.	MACS6749	N-503	0	0	20	56-69	62	103-109	107	73-103	92	0	Ey	A	SH-H	37-46	41
4.	NIAW3578	N-504	40S	5S	0	53-69	61	103-111	106	76-99	89	40	Ey	A	SH	33-45	40
5.	UAS 3008	N-505	0	0	1	55-71	61	104-110	107	77-101	92	25	Ey	A	SH	34-54	43
6.	DBW295	N-506	0	10MS	1	59-77	66	106-115	108	73-110	95	5	Ey	A	SH	35-45	40
7.	MP3514	N-507	5MS	0	0	57-70	62	105-111	108	67-91	83	0	Ey	A	SH	35-49	39
8.	HI1641	N-508	0	5MR	2	53-69	59	100-110	105	87-106	99	5	Ey	A	SH	37-45	40
9.	MACS6752	N-509	0	0	5	54-73	60	102-112	106	74-98	90	0	Ey	A	SH	36-44	40
10.	MP3516	N-510	0	0	3	62-71	66	106-113	109	73-102	89	0	Ey	A	SH	34-41	38
11.	Lok75	N-511	0	0	5	58-72	63	105-113	108	73-93	85	30	Ey	A	SH-H	40-47	44
12.	AKAW 4927	N-512	0	5MS	5	56-72	63	105-112	108	65-97	87	0	Ey	A	SH	41-56	47
13.	MP1362	N-513	0	10MS	1	54-69	61	104-108	107	87-109	98	40	Ey	A	SH-H	39-47	42
14.	RVW4281	N-514	5MS	10MS	1	51-65	58	101-106	104	80-102	92	0	Ey	A	SH-H	42-46	43
15.	WH1267	N-515	10S	10S	0	58-74	65	107-113	109	73-99	88	5	Ey	A	SH-H	36-48	41
16.	GW519	N-516	5MS	tMS	3	59-74	63	106-113	110	78-99	92	0	Ey	A	SH	41-48	43
17.	HD3344	N-517	5MS	5MS	0	58-72	65	108-112	110	70-100	86	0	Ey	A	SH	36-48	40
18.	RVW4276	N-518	5MS	0	2	51-65	56	102-109	104	63-101	88	5	Ey	A	SH	37-49	40
19.	HI1642	N-519	0	0	2	55-75	65	103-110	106	79-104	93	50	Ey	A	H	41-51	45
20.	NIAW3583	N-520	0	0	0	51-66	59	100-112	105	79-118	99	50	Ey	A	SH	42-49	46
21.	PBW815	N-523	5MS	30S	0	60-77	67	107-116	111	76-108	93	0	Ey	A	SH	40-45	42
22.	HI1646	N-524	10S	tMS	1	56-70	63	104-112	108	70-103	92	0	Ey	A	SH	38-42	40
23.	TAW154	N-525	0	0	0	61-75	67	107-114	111	77-102	90	0	Ey	A	SH	39-45	42
24.	HD2932 (C)	N-521	0	0	4	56-72	62	103-112	107	73-105	92	0	Ey	A	SH	38-52	42
25.	HD2864 (C)	N-522	0	0	3	51-66	57	101-111	105	83-95	90	0	Ey	A	SH	35-42	39

1. Ancillary data from Akola, Dharwad, Parbhani, Niphad and Pune.
2. Lodging data from Prabhani and Pune.
3. Rust data from Dharwad and Black Point data from Pune.