

**2305-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2023-24**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	CZ														
			M.P.									Chhattisgarh					
			Indore			Powarkheda			Jabalpur (JNKVV)			Gwalior			Bilaspur		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	DBW464	N502	60.9	18	0	49.3	9	0	47.6	18	0	39.1	2	1	40.8	15	0
2	HI1697	N504	72.1	2	1	51.7	5	0	49.3	15	0	32.7	21	0	30.0	25	0
3	WH1338	N505	68.4	7	1	47.1	11	0	63.6	1	1	31.3	25	0	43.7	8	0
4	GW567	N506	60.7	19	0	44.0	19	0	47.7	17	0	36.1	5	0	45.4	4	1
5	WSM141	N507	64.6	11	1	44.0	19	0	57.9	5	0	35.1	10	0	35.8	20	0
6	DBW463	N508	72.5	1	1	51.0	6	0	49.8	13	0	33.5	16	0	34.3	24	0
7	MACS6868	N509	68.8	6	1	57.8	3	1	51.9	10	0	36.1	6	0	36.3	19	0
8	GW562	N510	61.1	17	0	39.4	21	0	49.4	14	0	34.2	13	0	40.1	17	0
9	MP3599	N511	57.3	24	0	37.8	23	0	56.8	7	0	33.7	15	0	39.1	18	0
10	NIAW4621	N512	66.2	9	1	49.4	8	0	48.7	16	0	36.8	4	0	44.7	5	1
11	CG1061	N513	54.3	25	0	44.8	17	0	56.8	8	0	32.8	19	0	42.8	13	0
12	NIAW4624	N514	61.6	15	0	55.6	4	1	42.4	23	0	32.2	24	0	44.5	6	1
13	LOK83	N515	57.6	22	0	35.5	25	0	40.3	24	0	34.9	12	0	43.7	9	0
14	HI1698	N516	58.5	21	0	46.2	14	0	62.7	2	1	35.0	11	0	34.5	22	0
15	HI1696	N517	70.2	4	1	46.4	13	0	50.4	11	0	35.3	9	0	40.2	16	0
16	MP3598	N518	63.5	13	0	59.4	2	1	52.4	9	0	35.9	7	0	35.2	21	0
17	HI1699	N519	70.5	3	1	48.6	10	0	43.2	22	0	33.2	18	0	47.9	3	1
18	UAS3033	N521	67.5	8	1	47.1	12	0	61.5	3	1	32.8	20	0	43.5	11	0
19	UAS3032	N522	63.3	14	0	38.5	22	0	50.3	12	0	35.7	8	0	43.2	12	0
20	MACS6854	N523	69.9	5	1	61.5	1	1	60.4	4	1	32.3	23	0	43.6	10	0
21	PBW952	N524	64.9	10	1	44.7	18	0	45.0	21	0	36.9	3	0	44.2	7	0
22	MP1402	N525	59.6	20	0	36.9	24	0	38.2	25	0	32.6	22	0	34.4	23	0
23	HD2864 (C)	N501	61.4	16	0	45.6	15	0	47.5	19	0	33.2	17	0	49.6	1	1
24	HD2932 (C)	N503	63.8	12	0	44.8	16	0	47.5	20	0	41.9	1	1	48.1	2	1
25	HI1633 (C)	N520	57.5	23	0	50.2	7	0	57.6	6	0	33.9	14	0	41.6	14	0
G.M.			63.9			47.1			51.2			34.7			41.1		
S.E.(M)			3.249			3.378			2.338			1.298			2.092		
C.D. (10%)			8.0			8.3			5.7			3.2			5.2		
C.V.			7.2			10.1			6.5			5.3			7.2		
D.O.S.(dd.mm.yy)			10.12.23			14.12.23			10.12.23			15.12.23			14.12.23		

No. of Trials : Proposed = 17 Conducted = 17  
 Trial not conducted (00) = Nil  
 Trials not reported (02) = CZ : SK Nagar (LSM)  
 PZ : Dharwad (LSM)

**2305-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2023-24**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	CZ									PZ					
			Gujarat									Maharashtra					
			Junagadh			Vijapur			Lok-Bharti			Niphad			Akola		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	DBW464	N502	36.6	20	0	34.6	17	0	39.8	14	0	28.1	23	0	32.1	23	0
2	HI1697	N504	40.8	8	0	33.4	20	0	43.2	10	0	37.1	14	0	48.7	2	1
3	WH1338	N505	40.5	11	0	52.9	3	1	36.0	20	0	41.2	3	0	36.9	17	0
4	GW567	N506	50.6	1	1	41.1	11	0	42.9	11	0	39.8	8	0	34.4	20	0
5	WSM141	N507	31.6	24	0	48.9	5	0	37.6	16	0	39.7	10	0	41.0	13	1
6	DBW463	N508	45.0	4	0	33.7	19	0	50.0	1	1	34.7	18	0	44.2	6	1
7	MACS6868	N509	41.7	7	0	39.2	13	0	49.5	2	1	38.0	12	0	45.1	5	1
8	GW562	N510	38.7	16	0	40.1	12	0	41.0	12	0	36.6	15	0	37.8	16	0
9	MP3599	N511	39.7	13	0	25.7	25	0	36.8	17	0	33.7	19	0	31.8	25	0
10	NIAW4621	N512	36.7	19	0	49.7	4	0	49.4	3	1	40.3	6	0	34.1	21	0
11	CG1061	N513	40.4	12	0	30.9	22	0	43.3	9	0	30.0	22	0	39.1	15	1
12	NIAW4624	N514	35.6	23	0	38.5	15	0	36.6	18	0	43.0	2	1	47.1	3	1
13	LOK83	N515	28.7	25	0	29.3	23	0	32.6	21	0	20.0	25	0	36.4	19	0
14	HI1698	N516	35.7	22	0	41.4	10	0	32.1	22	0	35.1	17	0	42.8	10	1
15	HI1696	N517	37.6	17	0	44.5	6	0	44.7	8	1	40.6	5	0	36.6	18	0
16	MP3598	N518	43.1	5	0	54.2	2	1	47.4	4	1	36.2	16	0	43.0	9	1
17	HI1699	N519	40.6	10	0	35.3	16	0	46.1	6	1	39.8	9	0	43.1	8	1
18	UAS3033	N521	36.6	21	0	42.3	8	0	27.0	25	0	39.5	11	0	45.7	4	1
19	UAS3032	N522	38.7	15	0	43.8	7	0	40.3	13	0	21.6	24	0	42.8	11	1
20	MACS6854	N523	42.2	6	0	57.3	1	1	45.8	7	1	47.6	1	1	43.4	7	1
21	PBW952	N524	37.1	18	0	33.0	21	0	32.0	23	0	41.0	4	0	40.1	14	1
22	MP1402	N525	39.5	14	0	34.3	18	0	30.9	24	0	32.8	20	0	31.9	24	0
23	HD2864 (C)	N501	46.7	2	1	38.9	14	0	38.2	15	0	37.7	13	0	41.7	12	1
24	HD2932 (C)	N503	45.2	3	0	41.6	9	0	46.6	5	1	30.5	21	0	52.0	1	1
25	HI1633 (C)	N520	40.6	9	0	27.4	24	0	36.1	19	0	39.9	7	0	33.8	22	0
G.M.			39.6			39.7			40.2			36.2			40.2		
S.E.(M)			1.972			2.648			2.201			2.111			4.867		
C.D. (10%)			4.9			6.4			5.4			5.2			11.8		
C.V.			7.0			9.4			7.7			8.3			17.1		
D.O.S.(dd.mm.yy)			12.12.23			06.12.23			09.12.23			13.12.23			13.12.23		

**2305-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2023-24**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	PZ														
			Maharashtra						Karnataka								
			Pune			Dhule			Parbhani			Bagalkot			Nippani		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	DBW464	N502	26.3	25	0	35.2	25	0	55.5	16	0	32.3	20	0	47.2	13	0
2	HI1697	N504	50.9	1	1	44.9	15	0	86.1	1	1	28.5	24	0	53.7	9	0
3	WH1338	N505	32.5	20	0	36.1	24	0	55.6	15	0	39.4	16	0	48.0	12	0
4	GW567	N506	49.8	2	1	46.5	11	0	66.2	5	0	47.9	7	0	34.5	22	0
5	WSM141	N507	30.4	24	0	39.3	22	0	55.9	13	0	30.1	23	0	41.8	18	0
6	DBW463	N508	34.4	19	0	44.3	16	0	47.9	25	0	36.4	18	0	39.2	20	0
7	MACS6868	N509	42.3	12	0	39.5	21	0	57.0	11	0	49.6	5	0	67.0	1	1
8	GW562	N510	44.2	9	1	44.1	17	0	62.4	7	0	30.4	22	0	51.5	11	0
9	MP3599	N511	36.3	17	0	43.3	18	0	54.1	22	0	24.2	25	0	33.4	23	0
10	NIAW4621	N512	41.1	13	0	47.6	8	0	77.3	2	1	41.6	11	0	45.2	15	0
11	CG1061	N513	32.4	21	0	43.0	19	0	55.6	14	0	40.6	13	0	42.5	16	0
12	NIAW4624	N514	44.2	8	1	48.0	7	0	55.4	17	0	55.6	3	0	42.5	16	0
13	LOK83	N515	32.0	22	0	48.4	6	0	59.0	9	0	41.3	12	0	45.6	14	0
14	HI1698	N516	48.5	5	1	48.7	5	0	56.1	12	0	49.2	6	0	36.8	21	0
15	HI1696	N517	43.7	10	0	46.4	12	0	67.6	4	0	44.2	10	0	57.8	5	1
16	MP3598	N518	48.8	3	1	61.5	1	1	72.3	3	0	54.1	4	0	58.5	4	1
17	HI1699	N519	45.7	7	1	49.1	4	0	54.5	21	0	45.2	9	0	59.5	3	1
18	UAS3033	N521	48.0	6	1	49.4	2	0	55.3	18	0	39.4	15	0	56.9	6	0
19	UAS3032	N522	30.9	23	0	45.5	13	0	59.4	8	0	35.1	19	0	40.5	19	0
20	MACS6854	N523	48.6	4	1	45.1	14	0	50.1	23	0	58.6	2	1	55.0	7	0
21	PBW952	N524	38.1	16	0	36.4	23	0	58.4	10	0	40.1	14	0	33.1	24	0
22	MP1402	N525	41.1	14	0	46.5	9	0	54.9	19	0	64.3	1	1	28.8	25	0
23	HD2864 (C)	N501	40.6	15	0	49.3	3	0	54.8	20	0	45.2	8	0	54.9	8	0
24	HD2932 (C)	N503	43.2	11	0	46.5	10	0	63.7	6	0	30.9	21	0	53.4	10	0
25	HI1633 (C)	N520	35.8	18	0	41.2	20	0	50.1	24	0	36.5	17	0	61.9	2	1
G.M.			40.4			45.0			59.4			41.6			47.6		
S.E.(M)			2.899			3.836			4.470			3.040			4.074		
C.D. (10%)			7.2			9.5			10.8			7.5			10.1		
C.V.			10.1			12.0			10.6			10.3			12.1		
D.O.S.(dd.mm.yy)			15.12.23			13.12.23			07.12.23			05.12.23			15.12.23		

**2305-NIVT-3B-IR-LS-TAS-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	DBW464	N502	43.6	16	0	36.6	25	0	40.4	23	0
2	HI1697	N504	44.2	15	0	50.0	2	0	46.9	6	0
3	WH1338	N505	47.9	3	0	41.4	17	0	44.9	13	0
4	GW567	N506	46.1	9	0	45.6	12	0	45.9	10	0
5	WSM141	N507	44.4	13	0	39.7	22	0	42.2	18	0
6	DBW463	N508	46.2	7	0	40.2	21	0	43.4	16	0
7	MACS6868	N509	47.7	5	0	48.3	4	0	48.0	3	0
8	GW562	N510	43.0	21	0	43.9	14	0	43.4	15	0
9	MP3599	N511	40.9	23	0	36.7	24	0	38.9	25	0
10	NIAW4621	N512	47.7	4	0	46.8	9	0	47.3	4	0
11	CG1061	N513	43.3	18	0	40.5	19	0	42.0	20	0
12	NIAW4624	N514	43.4	17	0	48.0	7	0	45.5	12	0
13	LOK83	N515	37.8	25	0	40.4	20	0	39.0	24	0
14	HI1698	N516	43.3	19	0	45.3	13	0	44.2	14	0
15	HI1696	N517	46.2	8	0	48.1	6	0	47.1	5	0
16	MP3598	N518	48.9	2	0	53.5	1	1	51.0	1	1
17	HI1699	N519	45.7	10	0	48.1	5	0	46.8	7	0
18	UAS3033	N521	44.8	12	0	47.7	8	0	46.2	9	0
19	UAS3032	N522	44.2	14	0	39.4	23	0	42.0	19	0
20	MACS6854	N523	51.6	1	1	49.8	3	0	50.8	2	1
21	PBW952	N524	42.2	22	0	41.0	18	0	41.7	21	0
22	MP1402	N525	38.3	24	0	42.9	15	0	40.5	22	0
23	HD2864 (C)	N501	45.1	11	0	46.3	10	0	45.7	11	0
24	HD2932 (C)	N503	47.4	6	0	45.7	11	0	46.6	8	0
25	HI1633 (C)	N520	43.1	20	0	42.7	16	0	42.9	17	0
G.M.			44.7			44.3			44.5		
S.E.(M)			0.877			1.408			0.806		
C.D. (10%)			2.1			3.3			1.9		

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-3B-IR-LS-TAS, 2023-24

SN	Variety	Code	Rust Reactions			Agronomic Characteristics						Grain Characteristics	
			Br	BI		Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
				Junagarh	Vijapur								
1.	DBW464	N-502	0	0	tMR	61-78	67	103-114	110	70-83	76	33-45	38
2.	HI1697	N-504	0	0	tR	50-73	58	96-116	107	72-96	80	36-49	41
3.	WH1338	N-505	tS	5S	20S	57-72	64	98-112	107	73-96	85	38-47	42
4.	GW567	N-506	0	0	tR	50-70	57	94-114	105	60-84	71	37-47	41
5.	WSM141	N-507	0	0	tR	58-71	64	104-116	110	72-105	89	30-39	35
6.	DBW463	N-508	tR	tMR	20MR	56-73	61	95-114	106	82-97	88	36-48	41
7.	MACS6868	N-509	tMS	0	20S	53-71	62	96-116	106	75-95	83	30-49	40
8.	GW562	N-510	0	0	tR	52-71	57	94-118	107	72-92	84	38-54	45
9.	MP3599	N-511	tR	0	20MS	48-72	55	92-112	104	54-75	69	36-44	39
10.	NIAW4621	N-512	tR	0	5S	57-75	64	99-116	109	70-95	81	33-43	37
11.	CG1061	N-513	0	0	tR	50-70	57	95-114	105	73-98	85	36-48	41
12.	NIAW4624	N-514	0	0	tR	58-72	64	98-116	109	76-92	84	35-45	40
13.	LOK83	N-515	tR	0	tMR	55-69	59	94-112	105	75-102	88	38-51	42
14.	HI1698	N-516	0	0	0	50-73	56	95-114	105	75-97	86	36-56	45
15.	HI1696	N-517	0	0	tR	52-72	58	94-113	106	73-93	84	31-43	37
16.	MP3598	N-518	tR	0	5MS	58-73	63	97-119	108	77-96	84	34-45	40
17.	HI1699	N-519	0	0	0	51-67	58	95-111	106	70-92	81	35-50	40
18.	UAS3033	N-521	5S	40S	30S	59-74	64	96-114	107	76-92	84	30-48	39
19.	UAS3032	N-522	tMS	tMR	10S	59-77	65	97-116	109	77-92	84	29-48	37
20.	MACS6854	N-523	0	0	tR	53-70	59	99-112	106	85-111	98	34-47	42
21.	PBW952	N-524	10S	20S	20S	60-77	65	100-115	109	69-80	75	35-41	38
22.	MP1402	N-525	tR	0	20MR	54-75	61	99-116	108	66-88	79	31-46	37
23.	HD2864 (C)	N-501	tR	0	tMR	50-69	56	95-112	106	69-90	78	36-44	39
24.	HD2932 (C)	N-503	tR	0	20S	54-72	61	95-114	106	70-96	83	34-46	40
25.	HI1633 (C)	N-520	0	0	tR	54-69	58	95-112	105	66-91	79	32-48	38

1. Ancillary data from Indore, Powarkheda, Bilaspur, Jabalpur, Gwalior, Junagadh, Lok Bharti, SK Nagar and Vijapur.
2. Black Rust data from Junagadh and Vijapur centers; Brown rust data from Vijapur.

## Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-3B-IR-LS-TAS, 2023-24

SN	Variety	Code	Disease Reactions		Agronomic Characteristics						Grain Characteristics	
			Br	BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1.	DBW464	N-502	0	40S	48-72	60	95-116	106	68-84	76	23-42	31
2.	HI1697	N-504	0	10S	48-54	51	88-113	99	76-90	85	39-46	42
3.	WH1338	N-505	0	20S	53-65	59	95-112	103	66-91	80	32-50	38
4.	GW567	N-506	0	20S	43-55	49	82-110	97	65-71	68	35-45	39
5.	WSM141	N-507	0	10S	48-62	55	90-114	100	64-93	85	29-51	36
6.	DBW463	N-508	5MS	40S	51-62	56	92-117	103	78-92	86	27-48	36
7.	MACS6868	N-509	0	30S	51-59	56	95-113	102	70-91	85	37-47	41
8.	GW562	N-510	0	20S	44-58	51	82-108	97	73-89	82	40-52	45
9.	MP3599	N-511	0	40S	43-55	49	83-116	96	57-77	65	30-45	36
10.	NIAW4621	N-512	0	10S	53-65	58	95-111	104	72-85	77	32-54	38
11.	CG1061	N-513	0	40S	45-56	51	83-118	98	65-93	83	33-41	37
12.	NIAW4624	N-514	0	10S	51-62	56	92-113	103	64-86	81	36-46	41
13.	LOK83	N-515	0	30S	45-60	51	88-117	101	75-91	84	27-54	38
14.	HI1698	N-516	0	20S	43-53	49	83-118	97	79-94	85	45-50	48
15.	HI1696	N-517	tMR	5S	45-57	51	85-117	98	76-92	84	32-48	37
16.	MP3598	N-518	5MS	60S	52-62	56	93-119	103	75-91	84	25-44	36
17.	HI1699	N-519	0	10S	43-58	51	84-116	98	68-85	80	30-47	39
18.	UAS3033	N-521	0	30S	53-63	57	95-115	103	70-89	82	34-47	41
19.	UAS3032	N-522	10MS	60S	52-65	56	93-113	102	75-90	84	21-49	31
20.	MACS6854	N-523	5MR	20S	50-58	54	90-117	103	81-101	90	38-53	43
21.	PBW952	N-524	0	30S	50-65	58	95-118	104	70-81	77	31-45	37
22.	MP1402	N-525	20S	80S	49-58	54	88-112	99	68-82	76	24-46	35
23.	HD2864 (C)	N-501	0	20S	43-55	49	82-110	97	68-82	75	34-42	38
24.	HD2932 (C)	N-503	5MR	60S	48-56	52	88-117	99	76-95	83	25-41	34
25.	HI1633 (C)	N-520	0	30S	46-59	52	85-114	98	71-89	81	37-47	40

1. Ancillary data from Akola, Niphad, Nippani, Pune, Bagalkot, Dharwad, Dhule and Prabhani

2. Black Rust data from Dharwad and Brown rust data from Nippani