

2105-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ																	
			M.P.									Chhattisgarh								
			Indore			Powarkheda			Jabalpur			Sagar			Bilaspur			Raipur		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	NIAW4120	N501	65.1	7	1	39.4	22	0	51.4	14	0	41.3	8	0	45.9	4	1	33.1	15	0
2	HI1672	N502	61.4	12	0	58.6	2	1	59.9	9	0	36.8	20	0	39.4	16	0	24.9	25	0
3	HI1673	N503	66.2	5	1	50.2	7	0	71.4	1	1	45.4	4	1	47.8	3	1	29.0	21	0
4	GW542	N505	57.2	15	0	44.0	12	0	63.1	7	1	43.2	6	0	41.7	11	0	34.5	14	0
5	CG1042	N507	62.1	9	0	44.0	12	0	50.9	16	0	35.2	23	0	48.5	2	1	44.5	1	1
6	MP1388	N508	57.6	14	0	65.6	1	1	57.4	11	0	39.8	12	0	39.9	14	0	30.8	17	0
7	LOK79	N509	53.9	19	0	40.9	21	0	46.0	19	0	38.7	16	0	35.4	22	0	44.1	3	1
8	AKAW5104	N510	69.8	3	1	43.2	16	0	64.0	5	1	48.3	2	1	49.2	1	1	35.3	13	0
9	HI1675	N511	66.9	4	1	56.3	4	1	64.4	3	1	40.5	10	0	41.9	10	0	31.1	16	0
10	WH1310	N512	53.1	20	0	44.0	12	0	53.0	13	0	36.3	21	0	37.4	21	0	41.1	7	0
11	MACS6805	N513	66.2	6	1	47.1	9	0	42.2	21	0	42.2	7	0	43.1	6	0	29.0	20	0
12	PBW897	N514	62.0	10	0	43.2	16	0	32.2	24	0	36.9	19	0	37.6	20	0	44.1	2	1
13	NIAW4114	N515	61.4	11	0	39.4	22	0	25.2	25	0	47.7	3	1	37.7	19	0	40.7	8	0
14	GW538	N516	52.2	22	0	47.1	9	0	51.2	15	0	38.8	15	0	41.1	13	0	28.0	23	0
15	HI1674	N517	71.1	1	1	57.1	3	1	63.8	6	1	40.4	11	0	39.1	17	0	39.1	12	0
16	DBW395	N518	60.9	13	0	41.7	18	0	49.1	17	0	36.0	22	0	34.0	23	0	40.4	10	0
17	MP3556	N519	47.3	25	0	49.4	8	0	59.8	10	0	38.5	17	0	29.6	25	0	41.4	6	0
18	MACS6814	N520	70.9	2	1	47.1	9	0	53.5	12	0	39.4	14	0	42.7	7	0	43.5	4	1
19	RVW4355	N521	52.8	21	0	34.7	25	0	33.7	23	0	33.6	25	0	29.9	24	0	28.6	22	0
20	MP3557	N522	62.6	8	0	54.0	5	1	44.0	20	0	39.7	13	0	45.5	5	1	30.3	18	0
21	DBW394	N523	55.8	17	0	44.0	12	0	61.0	8	0	43.8	5	1	38.6	18	0	40.3	11	0
22	UAS3023	N524	49.4	24	0	41.7	18	0	48.2	18	0	50.3	1	1	42.7	8	0	42.6	5	1
23	UAS3022	N525	51.4	23	0	41.7	18	0	70.0	2	1	38.3	18	0	42.4	9	0	40.4	9	0
24	HD2864(C)	N504	54.7	18	0	50.9	6	0	64.2	4	1	41.1	9	0	41.6	12	0	30.2	19	0
25	HD2932(C)	N506	56.9	16	0	35.5	24	0	39.6	22	0	34.4	24	0	39.7	15	0	26.5	24	0
G.M.			59.6			46.4			52.8			40.3			40.5			35.7		
S.E.(M)			3.636			5.072			4.164			2.861			1.725			0.981		
C.D. (10%)			8.8			12.3			10.1			7.1			4.2			2.4		
C.V.			8.6			15.5			11.2			10.0			6.0			3.9		
D.O.S.(dd.mm.yy)			14.12.21			06.12.21			08.12.21			10.12.21			10.12.21			07.12.21		

No. of Trials : Proposed = 17 Conducted = 17
Trials not reported (01) = CZ : Vijapur (LSM)

2105-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2021-22

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ									PZ								
			Gujarat			Rajasthan						Maharashtra								
			Junagadh			Durgapura		Udaipur				Niphad		Pune		Parbhani				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	NIAW4120	N501	73.8	1	1	47.0	12	0	51.4	15	0	57.6	3	1	47.4	6	1	62.9	8	0
2	HI1672	N502	64.0	11	0	51.8	2	1	57.2	8	0	50.9	12	0	46.3	7	1	60.1	12	0
3	HI1673	N503	69.1	4	1	50.9	3	1	54.1	13	0	49.0	13	0	50.6	2	1	58.0	14	0
4	GW542	N505	69.1	5	1	40.7	19	0	48.8	20	0	45.8	15	0	38.6	20	0	62.9	9	0
5	CG1042	N507	59.3	20	0	47.1	9	0	58.5	4	0	43.0	21	0	37.5	23	0	56.4	16	0
6	MP1388	N508	66.8	7	1	48.5	8	0	55.5	10	0	55.2	7	1	40.0	19	0	45.5	25	0
7	LOK79	N509	61.8	17	0	53.3	1	1	50.6	17	0	45.0	17	0	44.7	11	0	51.2	24	0
8	AKAW5104	N510	67.1	6	1	49.0	6	1	54.9	11	0	57.6	4	1	48.7	5	1	61.2	11	0
9	HI1675	N511	64.6	9	0	49.6	5	1	54.8	12	0	52.4	11	0	45.1	10	0	56.1	17	0
10	WH1310	N512	51.6	25	0	38.3	23	0	59.0	3	0	43.3	20	0	40.4	17	0	58.2	13	0
11	MACS6805	N513	64.2	10	0	38.6	22	0	50.7	16	0	43.9	19	0	44.6	13	0	63.0	7	0
12	PBW897	N514	60.8	18	0	48.6	7	0	48.7	21	0	34.1	25	0	33.6	24	0	54.3	20	0
13	NIAW4114	N515	66.1	8	1	45.4	14	0	41.0	25	0	60.1	2	1	45.4	8	0	70.2	2	1
14	GW538	N516	62.7	15	0	41.8	18	0	50.2	18	0	52.9	10	0	42.4	16	0	68.6	3	1
15	HI1674	N517	69.9	2	1	47.1	10	0	63.5	2	1	57.0	5	1	49.1	4	1	54.8	19	0
16	DBW395	N518	54.7	24	0	43.4	17	0	44.2	24	0	45.4	16	0	43.4	14	0	63.3	6	0
17	MP3556	N519	57.8	21	0	43.8	16	0	46.9	22	0	41.2	22	0	38.3	22	0	51.7	22	0
18	MACS6814	N520	63.7	12	0	50.2	4	1	52.7	14	0	56.9	6	1	49.9	3	1	74.9	1	1
19	RVW4355	N521	55.1	23	0	35.5	25	0	45.8	23	0	40.8	23	0	25.5	25	0	55.6	18	0
20	MP3557	N522	63.5	14	0	47.0	11	0	67.9	1	1	62.8	1	1	55.2	1	1	61.2	10	0
21	DBW394	N523	57.1	22	0	46.5	13	0	49.5	19	0	53.4	8	0	40.4	18	0	56.6	15	0
22	UAS3023	N524	60.0	19	0	37.5	24	0	57.3	7	0	46.3	14	0	44.7	11	0	67.3	5	1
23	UAS3022	N525	63.6	13	0	45.0	15	0	58.4	5	0	44.1	18	0	45.2	9	0	67.7	4	1
24	HD2864(C)	N504	62.6	16	0	40.4	20	0	56.6	9	0	53.3	9	0	43.0	15	0	53.8	21	0
25	HD2932(C)	N506	69.3	3	1	40.2	21	0	57.7	6	0	38.3	24	0	38.3	21	0	51.4	23	0
G.M.			63.1			45.1			53.4			49.2			43.1			59.5		
S.E.(M)			3.354			1.893			3.450			3.186			2.598			4.174		
C.D. (10%)			8.3			4.7			8.5			7.9			6.3			10.3		
C.V.			7.5			5.9			9.1			9.2			8.5			9.9		
D.O.S.(dd.mm.yy)			09.12.21			05.12.21			09.12.21			14.12.21			15.12.21			08.12.21		

2105-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2021-22

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	PZ											
			Maharashtra			Karnataka								
			Akola			Nippani			Ugar Khurd			Dharwad		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	NIAW4120	N501	32.0	22	0	52.0	15	0	34.6	16	0	46.4	4	1
2	HI1672	N502	39.8	8	0	55.3	9	1	41.3	6	0	43.4	8	1
3	HI1673	N503	41.5	3	0	54.5	11	1	38.6	12	0	44.0	6	1
4	GW542	N505	32.3	20	0	62.3	3	1	32.6	19	0	28.6	22	0
5	CG1042	N507	36.5	15	0	54.4	12	1	36.7	13	0	32.4	19	0
6	MP1388	N508	34.1	19	0	55.6	8	1	46.9	2	1	47.0	3	1
7	LOK79	N509	27.7	24	0	55.0	10	1	30.1	22	0	33.9	18	0
8	AKAW5104	N510	38.6	11	0	61.7	4	1	41.0	7	0	40.7	11	0
9	HI1675	N511	40.5	5	0	55.9	7	1	35.6	15	0	41.1	10	1
10	WH1310	N512	38.1	12	0	51.2	16	0	43.8	5	1	37.3	16	0
11	MACS6805	N513	37.7	13	0	52.8	13	0	38.9	11	0	42.3	9	1
12	PBW897	N514	25.3	25	0	51.1	17	0	30.8	21	0	30.1	20	0
13	NIAW4114	N515	36.1	16	0	49.5	18	0	40.4	9	0	47.9	2	1
14	GW538	N516	41.1	4	0	48.5	21	0	33.0	18	0	40.4	12	0
15	HI1674	N517	39.3	9	0	62.5	2	1	32.2	20	0	43.9	7	1
16	DBW395	N518	48.1	1	1	61.0	5	1	40.0	10	0	37.4	15	0
17	MP3556	N519	30.5	23	0	49.1	20	0	29.6	23	0	28.7	21	0
18	MACS6814	N520	36.0	17	0	65.0	1	1	48.0	1	1	38.9	13	0
19	RVW4355	N521	37.5	14	0	36.7	25	0	28.1	24	0	25.8	24	0
20	MP3557	N522	43.1	2	1	41.8	24	0	34.2	17	0	36.6	17	0
21	DBW394	N523	40.4	6	0	44.8	23	0	36.7	14	0	28.1	23	0
22	UAS3023	N524	32.1	21	0	52.1	14	0	46.7	3	1	38.1	14	0
23	UAS3022	N525	34.6	18	0	60.9	6	1	44.4	4	1	49.7	1	1
24	HD2864(C)	N504	40.0	7	0	46.6	22	0	40.8	8	0	44.7	5	1
25	HD2932(C)	N506	38.7	10	0	49.5	19	0	23.4	25	0	18.4	25	0
G.M.			36.9			53.2			37.1			37.8		
S.E.(M)			2.125			4.765			2.463			3.531		
C.D. (10%)			5.2			11.5			6.1			8.5		
C.V.			8.2			12.7			9.4			13.2		
D.O.S.(dd.mm.yy)			07.12.21			10.12.21			11.12.21			15.12.21		

2105-NIVT-3B-IR-LS-TAS-NAT-ZONE, 2021-22
ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	NIAW4120	N501	49.8	11	0	47.5	10	0	48.8	10	0
2	HI1672	N502	50.5	8	0	48.2	7	0	49.5	7	0
3	HI1673	N503	53.8	2	1	48.0	8	0	51.3	4	1
4	GW542	N505	49.1	13	0	43.3	18	0	46.6	16	0
5	CG1042	N507	50.0	10	0	42.4	20	0	46.7	14	0
6	MP1388	N508	51.3	6	0	46.3	14	0	49.1	9	0
7	LOK79	N509	47.2	16	0	41.1	21	0	44.5	21	0
8	AKAW5104	N510	53.4	3	1	49.9	3	1	51.9	2	1
9	HI1675	N511	52.2	4	1	46.7	13	0	49.8	6	0
10	WH1310	N512	46.0	20	0	44.6	17	0	45.4	20	0
11	MACS6805	N513	47.0	17	0	46.2	15	0	46.7	15	0
12	PBW897	N514	46.0	19	0	37.0	23	0	42.1	23	0
13	NIAW4114	N515	44.9	22	0	50.0	2	1	47.1	13	0
14	GW538	N516	45.9	21	0	46.7	12	0	46.3	18	0
15	HI1674	N517	54.6	1	1	48.4	5	0	51.9	3	1
16	DBW395	N518	44.9	23	0	48.4	6	0	46.4	17	0
17	MP3556	N519	46.1	18	0	38.4	22	0	42.7	22	0
18	MACS6814	N520	51.5	5	0	52.8	1	1	52.1	1	1
19	RVW4355	N521	38.9	25	0	35.7	25	0	37.5	25	0
20	MP3557	N522	50.5	7	0	47.8	9	0	49.3	8	0
21	DBW394	N523	48.5	14	0	42.9	19	0	46.1	19	0
22	UAS3023	N524	47.7	15	0	46.8	11	0	47.3	12	0
23	UAS3022	N525	50.1	9	0	49.5	4	0	49.9	5	0
24	HD2864(C)	N504	49.1	12	0	46.0	16	0	47.8	11	0
25	HD2932(C)	N506	44.4	24	0	36.8	24	0	41.1	24	0
G.M.			48.5			45.3			47.1		
S.E.(M)			1.084			1.278			0.827		
C.D. (10%)			2.5			3.0			1.9		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-3B-IR-LS-TAS, 2021-22

SN	Variety	Code	Agronomic Characteristics								
			Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	TGW.R	TGW.M
1.	NIAW4120	N501	55-79	70	96-119	113	75-104	89	20	31-49	41
2.	HI1672	N502	47-78	66	96-127	113	66-101	85	0	35-46	40
3.	HI1673	N503	53-77	67	97-120	112	71-102	93	10	33-46	39
4.	GW542	N505	52-80	69	96-122	113	79-100	92	10	31-50	43
5.	CG1042	N507	59-78	69	97-121	113	77-103	91	0	30-44	36
6.	MP1388	N508	52-76	65	93-118	110	83-119	105	0	29-46	40
7.	LOK79	N509	53-80	69	96-123	114	73-97	87	20	27-40	36
8.	AKAW5104	N510	50-75	67	93-118	112	76-98	89	0	26-47	38
9.	HI1675	N511	49-75	67	94-119	112	76-104	96	15	33-51	42
10.	WH1310	N512	69-85	76	105-126	117	81-102	93	0	28-45	34
11.	MACS6805	N513	56-83	71	97-119	114	74-103	94	35	29-48	36
12.	PBW897	N514	54-78	68	97-120	112	67-111	84	0	36-48	44
13.	NIAW4114	N515	54-82	70	96-121	113	82-107	97	0	25-49	37
14.	GW538	N516	51-81	70	97-120	113	67-97	85	0	25-46	38
15.	HI1674	N517	50-80	68	97-125	114	69-91	80	0	31-45	40
16.	DBW395	N518	60-81	72	99-122	113	95-110	103	25	26-45	39
17.	MP3556	N519	55-80	69	96-120	113	69-94	84	0	27-43	35
18.	MACS6814	N520	60-85	73	97-122	115	83-112	103	10	26-40	34
19.	RVW4355	N521	62-84	74	98-124	115	75-101	90	0	29-41	32
20.	MP3557	N522	53-76	67	96-119	111	83-110	101	30	26-53	40
21.	DBW394	N523	57-84	73	98-124	115	78-100	91	20	23-46	35
22.	UAS3023	N524	61-82	73	98-127	115	83-106	95	15	21-47	35
23.	UAS3022	N525	57-83	72	97-122	114	75-105	95	5	23-44	34
24.	HD2864(C)	N504	48-78	66	98-124	112	66-99	87	0	25-50	39
25.	HD2932(C)	N506	56-83	72	97-125	115	74-98	92	30	25-45	37

1. Ancillary data from Bilaspur, Durgapura, Indore, Jabalpur, Junagadh, Powarkheda, Raipur, Sagar and Udaipur.
2. Lodging data from Powarkheda centre.

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-3B-IR-LS-TAS, 2021-22

SN	Variety	Code	Disease Reaction			Agronomic Characteristics							
			Br.	ACI	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1.	NIAW4120	N501	0	0	12	47-65	55	90-106	95	77-87	82	40-45	43
2.	HI1672	N502	10MS	2.7	02	46-61	51	89-109	95	70-86	77	38-46	43
3.	HI1673	N503	0	0	12	47-63	54	91-106	95	78-98	86	37-46	41
4.	GW542	N505	60S	22.7	01	45-61	53	88-101	93	83-89	86	40-48	42
5.	CG1042	N507	60S	29.3	02	55-67	59	96-106	99	80-97	86	33-35	34
6.	MP1388	N508	tMR	0.1	12	46-61	53	91-107	95	92-117	99	32-40	37
7.	LOK79	N509	5MS	1.3	12	49-64	54	92-109	96	73-89	79	35-56	40
8.	AKAW5104	N510	10S	3.5	24	47-65	53	90-107	94	77-97	83	38-41	39
9.	HI1675	N511	0	0	02	47-59	53	92-101	96	75-96	83	39-42	40
10.	WH1310	N512	0	0	01	56-73	63	100-120	105	76-98	83	34-42	38
11.	MACS6805	N513	10MS	2.7	02	48-66	56	91-107	96	77-106	87	37-41	39
12.	PBW897	N514	10MS	4.1	02	49-60	52	91-107	95	66-81	73	38-43	41
13.	NIAW4114	N515	0	0	12	48-65	54	92-110	96	74-99	85	35-39	37
14.	GW538	N516	0	0	02	48-63	54	91-104	95	66-85	77	37-40	39
15.	HI1674	N517	0	0	02	49-63	53	91-101	95	66-82	72	38-45	43
16.	DBW395	N518	30S	12.7	01	57-71	61	97-112	101	84-114	95	31-44	39
17.	MP3556	N519	60S	31.7	12	48-61	53	90-107	95	65-84	73	30-38	35
18.	MACS6814	N520	0	0	01	54-68	60	96-110	101	76-117	92	33-42	38
19.	RVW4355	N521	30S	13.3	02	60-67	62	97-107	101	65-87	74	29-45	33
20.	MP3557	N522	10S	4.7	0	48-65	54	91-106	95	83-97	91	37-42	39
21.	DBW394	N523	10S	6.0	02	55-71	60	97-112	101	65-95	79	32-35	34
22.	UAS3023	N524	60S	28.7	12	58-68	62	97-112	101	87-112	97	26-47	32
23.	UAS3022	N525	10MS	2.7	02	59-69	62	97-109	101	78-99	85	35-43	38
24.	HD2864(C)	N504	0	0	12	46-66	52	89-109	95	74-90	79	35-45	39
25.	HD2932(C)	N506	80S	49.3	01	49-67	57	92-102	96	84-97	87	32-42	35

1. Ancillary data from Dharwad, Niphad, Nippani, Parbhani, Pune and Ugar khurd centres
2. Brown rust data from Dharwad, Nippani and Ugar khurd centres
3. Leaf blight data from Dharwad and Nippani centres

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Peninsular Zone

Individual station brown rust and leaf blight data

SN	Variety	Code	Brown rust			Leaf blight	
			Dharwad	Nippani	Ugar khurd	Dharwad	Nippani
1	NIAW4120	N501	0	0	0	12	12
2	HI1672	N502	0	10MS	0	02	01
3	HI1673	N503	0	0	0	12	01
4	GW542	N505	60S	0	10MS	00	01
5	CG1042	N507	60S	10MS	20S	00	02
6	MP1388	N508	0	tMR	0	12	01
7	LOK79	N509	0	5MS	0	12	02
8	AKAW5104	N510	10S	tMR	0	24	01
9	HI1675	N511	0	0	0	02	01
10	WH1310	N512	0	0	0	00	01
11	MACS6805	N513	10MS	0	0	00	02
12	PBW897	N514	10MS	tMR	5MS	00	02
13	NIAW4114	N515	0	0	0	12	01
14	GW538	N516	0	0	0	02	01
15	HI1674	N517	0	0	0	02	01
16	DBW395	N518	30S	10MS	0	00	01
17	MP3556	N519	60S	30S	5S	00	12
18	MACS6814	N520	0	0	0	00	01
19	RVW4355	N521	30S	10S	0	00	02
20	MP3557	N522	10S	0	5MS	00	00
21	DBW394	N523	10S	10MS	0	00	02
22	UAS3023	N524	60S	10S	20MS	00	12
23	UAS3022	N525	10MS	0	0	00	02
24	HD2864(C)	N504	0	0	0	12	01
25	HD2932(C)	N506	60S	10MS	80S	00	01