

2110-NIVT-6B-ES-IR-CZ/PZ, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ																	
			M.P.								Gujarat			Chhattisgarh						
			Indore			Powarkheda			BISA,Jabalpur		Jabalpur		Vijapur		Bilaspur					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	MP3567	N1002	65.7	2	1	52.4	10	0	72.8	13	0	67.3	5	1	54.7	11	0	55.6	8	0
2	DBW381	N1003	53.5	13	0	49.3	18	0	68.0	16	0	56.8	14	0	50.1	14	0	54.8	10	0
3	HI1680	N1004	53.6	12	0	54.1	7	0	85.8	2	1	50.8	25	0	46.8	21	0	53.2	13	0
4	GW543	N1005	50.8	15	0	55.3	3	1	87.3	1	1	62.7	10	0	69.9	1	1	56.2	6	0
5	UAS3026	N1006	54.2	9	0	51.0	14	0	85.3	3	1	55.3	19	0	64.2	3	1	61.4	2	1
6	PBW881	N1007	46.6	21	0	50.3	17	0	72.3	14	0	51.7	24	0	48.4	18	0	43.3	23	0
7	NIAW4040	N1008	56.1	7	0	56.1	2	1	71.4	15	0	60.1	12	0	60.4	6	1	60.4	4	1
8	DBW405	N1009	43.2	25	0	44.4	24	0	60.2	23	0	54.5	21	0	52.1	13	0	48.7	20	0
9	HD3435	N1010	53.7	10	0	46.2	22	0	67.5	17	0	66.5	7	1	62.1	4	1	58.9	5	1
10	MP3564	N1011	45.4	22	0	55.1	4	1	82.2	5	1	53.5	23	0	46.9	20	0	42.6	24	0
11	MP1391	N1012	53.2	14	0	45.2	23	0	67.5	18	0	56.0	18	0	46.6	22	0	54.6	11	0
12	NIAW4174	N1013	67.3	1	1	51.7	11	0	73.7	12	1	71.4	1	1	52.6	12	0	60.5	3	1
13	UAS3025	N1015	47.8	20	0	48.0	19	0	76.7	9	1	59.2	13	0	67.0	2	1	54.8	9	0
14	CG1044	N1016	55.5	8	0	54.0	8	0	77.0	8	1	67.5	4	1	60.9	5	1	62.7	1	1
15	MACS6802	N1017	49.4	18	0	50.9	16	0	58.5	24	0	68.7	3	1	57.2	10	0	51.6	16	0
16	DBW401	N1018	50.6	16	0	48.0	20	0	76.3	10	1	66.7	6	1	48.4	19	0	50.1	17	0
17	GW545	N1019	60.6	5	1	46.8	21	0	67.1	19	0	55.2	20	0	48.6	17	0	39.3	25	0
18	GW546	N1020	49.9	17	0	52.6	9	0	74.4	11	1	56.5	16	0	41.9	25	0	45.4	22	0
19	HI1681	N1021	61.4	3	1	54.3	6	1	78.4	7	1	65.9	8	0	50.0	15	0	53.1	14	0
20	DBW406	N1022	53.7	11	0	51.0	13	0	66.8	20	0	62.2	11	0	59.1	7	0	53.3	12	0
21	GW544	N1023	43.8	24	0	59.0	1	1	57.3	25	0	56.1	17	0	57.4	9	0	46.2	21	0
22	MACS6803	N1024	49.2	19	0	51.1	12	0	64.6	21	0	63.3	9	0	49.1	16	0	55.8	7	0
23	HP1977	N1025	45.3	23	0	43.4	25	0	63.5	22	0	53.6	22	0	44.0	23	0	49.9	18	0
24	GW322(C)	N1001	59.2	6	1	51.0	15	0	83.8	4	1	56.5	15	0	57.8	8	0	52.9	15	0
25	DBW187(C)	N1014	61.0	4	1	54.5	5	1	80.9	6	1	70.4	2	1	44.0	24	0	49.8	19	0
G.M.			53.2			51.0			72.8			60.3			53.6			52.6		
S.E.(M)			3.725			1.995			5.548			2.446			4.092			2.124		
C.D. (10%)			9.2			4.9			13.7			5.9			10.1			5.2		
C.V.			9.9			5.5			10.8			5.7			10.8			5.7		
D.O.S.(dd.mm.yy)			10.11.21			10.11.21			09.11.21			08.11.21			01.11.21			10.11.21		

No. of Trials : Proposed = 15 Conducted = 15
Trials not reported (04) =CZ : Junagadh (LSM) PZ : Niphad (LSM), Pune (LSM), Ugarkhurd (LSM)

2110-NIVT-6B-ES-IR-CZ/PZ, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ						PZ								
			Rajasthan						Maharashtra				Karnataka				
			Durgapura			Udaipur			Nashik		Karad		Dharwad				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	MP3567	N1002	54.9	11	0	65.6	3	1	56.7	7	1	71.9	1	1	57.6	6	1
2	DBW381	N1003	51.4	15	0	61.7	7	0	55.8	9	0	48.6	23	0	36.3	23	0
3	HI1680	N1004	45.8	23	0	50.9	22	0	56.9	6	1	50.4	22	0	51.1	16	0
4	GW543	N1005	59.7	2	1	58.0	14	0	54.6	11	0	62.2	11	0	50.8	17	0
5	UAS3026	N1006	59.7	3	1	71.1	1	1	46.3	23	0	71.9	2	1	64.9	1	1
6	PBW881	N1007	56.3	9	0	46.4	24	0	42.1	24	0	52.8	20	0	39.9	21	0
7	NIAW4040	N1008	61.8	1	1	54.7	20	0	61.3	3	1	54.8	18	0	53.2	12	0
8	DBW405	N1009	59.7	3	1	50.1	23	0	41.9	25	0	60.6	13	0	33.8	25	0
9	HD3435	N1010	45.1	24	0	69.9	2	1	53.6	13	0	63.7	8	1	64.1	2	1
10	MP3564	N1011	43.8	25	0	62.3	6	0	47.7	18	0	51.4	21	0	57.5	7	1
11	MP1391	N1012	59.0	5	1	56.6	16	0	63.9	1	1	57.1	16	0	60.1	4	1
12	NIAW4174	N1013	51.4	15	0	60.1	9	0	62.6	2	1	66.8	5	1	60.6	3	1
13	UAS3025	N1015	59.0	5	1	62.4	5	1	53.5	14	0	58.0	15	0	56.3	10	0
14	CG1044	N1016	57.6	8	1	58.6	11	0	47.1	21	0	70.8	3	1	34.2	24	0
15	MACS6802	N1017	55.6	10	0	57.1	15	0	50.6	15	0	59.2	14	0	56.9	8	1
16	DBW401	N1018	58.0	7	1	58.6	12	0	47.2	20	0	62.5	10	0	40.3	20	0
17	GW545	N1019	52.8	14	0	55.0	19	0	53.6	12	0	42.8	25	0	39.3	22	0
18	GW546	N1020	53.5	13	0	44.5	25	0	47.4	19	0	44.8	24	0	51.6	14	0
19	HI1681	N1021	54.2	12	0	55.8	18	0	59.0	5	1	61.7	12	0	56.4	9	0
20	DBW406	N1022	47.9	20	0	63.6	4	1	47.9	17	0	64.3	7	1	47.1	19	0
21	GW544	N1023	47.9	20	0	59.0	10	0	56.0	8	0	53.3	19	0	51.2	15	0
22	MACS6803	N1024	51.4	15	0	54.4	21	0	49.9	16	0	70.3	4	1	60.0	5	1
23	HP1977	N1025	46.5	22	0	60.6	8	0	46.7	22	0	65.1	6	1	49.1	18	0
24	GW322(C)	N1001	49.3	19	0	56.4	17	0	59.2	4	1	62.6	9	0	55.4	11	0
25	DBW187(C)	N1014	50.7	18	0	58.5	13	0	55.4	10	0	55.5	17	0	51.8	13	0
G.M.			53.3			58.1			52.7			59.3			51.2		
S.E.(M)			1.980			3.572			3.578			3.511			3.441		
C.D. (10%)			4.8			8.8			8.7			8.7			8.3		
C.V.			5.3			8.7			9.6			8.4			9.5		
D.O.S.(dd.mm.yy)			05.11.21			01.11.21			10.11.21			10.11.21			10.11.21		

2110-NIVT-6B-ES-IR-CZ/PZ, 2021-22
ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	CZ			PZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	MP3567	N1002	61.1	4	1	62.1	2	1	61.4	3	1
2	DBW381	N1003	55.7	15	0	46.9	22	0	53.3	20	0
3	HI1680	N1004	55.1	16	0	52.8	17	0	54.5	17	0
4	GW543	N1005	62.5	2	1	55.9	11	0	60.7	4	1
5	UAS3026	N1006	62.8	1	1	61.1	3	1	62.3	1	1
6	PBW881	N1007	51.9	23	0	44.9	25	0	50.0	24	0
7	NIAW4040	N1008	60.1	6	1	56.4	9	0	59.1	6	0
8	DBW405	N1009	51.6	24	0	45.4	23	0	49.9	25	0
9	HD3435	N1010	58.7	9	0	60.5	4	1	59.2	5	0
10	MP3564	N1011	54.0	19	0	52.2	18	0	53.5	18	0
11	MP1391	N1012	54.8	18	0	60.4	5	1	56.3	12	0
12	NIAW4174	N1013	61.1	5	1	63.3	1	1	61.7	2	1
13	UAS3025	N1015	59.4	7	0	55.9	10	0	58.4	10	0
14	CG1044	N1016	61.7	3	1	50.7	19	0	58.7	8	0
15	MACS6802	N1017	56.1	14	0	55.6	12	0	56.0	15	0
16	DBW401	N1018	57.1	13	0	50.0	20	0	55.2	16	0
17	GW545	N1019	53.2	21	0	45.2	24	0	51.0	23	0
18	GW546	N1020	52.3	22	0	47.9	21	0	51.1	22	0
19	HI1681	N1021	59.1	8	0	59.0	8	1	59.1	7	0
20	DBW406	N1022	57.2	12	0	53.1	16	0	56.1	14	0
21	GW544	N1023	53.3	20	0	53.5	15	0	53.4	19	0
22	MACS6803	N1024	54.9	17	0	60.1	6	1	56.3	13	0
23	HP1977	N1025	50.8	25	0	53.6	14	0	51.6	21	0
24	GW322(C)	N1001	58.4	11	0	59.1	7	1	58.6	9	0
25	DBW187(C)	N1014	58.7	10	0	54.3	13	0	57.5	11	0
G.M.			56.9			54.4			56.2		
S.E.(M)			1.203			2.027			1.035		
C.D. (10%)			2.8			4.8			2.4		

Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-6B-IR-ES-TAS-CZ/PZ, 2021-22

SN	Variety	Code	Disease Reaction	Agronomic Characteristics							
			BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1	MP3567	N1002	tR	54-77	67	102-129	119	57-96	83	31-47	41
2	DBW381	N1003	20MS	52-84	69	104-131	121	75-103	91	37-46	42
3	HI1680	N1004	tR	50-67	60	95-126	116	64-97	84	40-51	44
4	GW543	N1005	20S	57-85	71	111-129	122	77-97	87	40-52	45
5	UAS3026	N1006	40S	53-90	73	104-133	123	69-99	85	35-59	44
6	PBW881	N1007	40S	56-81	68	97-129	118	60-87	78	30-43	35
7	NIAW4040	N1008	tR	52-84	68	101-129	119	76-100	89	39-48	43
8	DBW405	N1009	40S	59-88	74	110-134	125	70-103	91	35-48	43
9	HD3435	N1010	tR	61-95	79	113-137	129	76-111	93	28-54	37
10	MP3564	N1011	tR	50-66	58	90-129	115	65-89	77	37-46	41
11	MP1391	N1012	20S	53-83	67	107-130	120	62-99	82	38-50	43
12	NIAW4174	N1013	10MR	50-108	69	104-130	119	67-94	83	41-53	48
13	UAS3025	N1015	60S	55-85	72	108-131	123	81-110	97	35-51	44
14	CG1044	N1016	20MS	56-88	73	111-130	123	87-114	102	36-52	44
15	MACS6802	N1017	tR	50-82	68	102-132	121	69-95	85	42-54	46
16	DBW401	N1018	10MS	59-91	75	110-134	126	76-101	90	31-47	41
17	GW545	N1019	tR	49-72	61	95-129	116	65-97	85	38-49	43
18	GW546	N1020	tR	50-68	59	96-130	116	59-97	85	39-50	43
19	HI1681	N1021	tR	51-85	66	97-131	118	53-99	82	36-49	41
20	DBW406	N1022	tR	60-86	74	112-133	124	74-99	88	33-48	41
21	GW544	N1023	tR	53-80	64	106-127	118	71-100	89	37-49	44
22	MACS6803	N1024	tR	51-82	69	102-132	121	69-95	84	41-50	45
23	HP1977	N1025	10MR	55-86	73	110-138	128	76-107	94	34-47	39
24	GW322(C)	N1001	40S	52-78	66	103-129	119	73-97	86	34-49	41
25	DBW187(C)	N1014	20MR	56-82	67	105-129	120	73-108	90	41-54	47

1. Ancillary data from BISA-Jabalpur, Bilaspur, Jabalpur, Durgapura, Indore, Junagadh, Powarkheda, Udaipur and Vijapur centres.
2. Black rust data from Junagadh and Powarkheda centres.

NIVT-6B-IR-ES-TAS-CZ/PZ, 2021-22**Central Zone****Individual Station Rust Data**

SN	Variety	Code	Black rust	
			Junagadh	Powarkheda
1	MP3567	N1002	0	tR
2	DBW381	N1003	0	20MS
3	HI1680	N1004	0	tR
4	GW543	N1005	20MS	20S
5	UAS3026	N1006	40S	40S
6	PBW881	N1007	0	40S
7	NIAW4040	N1008	0	tR
8	DBW405	N1009	tMR	40S
9	HD3435	N1010	0	tR
10	MP3564	N1011	0	tR
11	MP1391	N1012	0	20S
12	NIAW4174	N1013	0	10MR
13	UAS3025	N1015	tR	60S
14	CG1044	N1016	0	20MS
15	MACS6802	N1017	0	tR
16	DBW401	N1018	tR	10MS
17	GW545	N1019	0	tR
18	GW546	N1020	0	tR
19	HI1681	N1021	0	tR
20	DBW406	N1022	0	tR
21	GW544	N1023	0	tR
22	MACS6803	N1024	0	tR
23	HP1977	N1025	0	10MR
24	GW322(C)	N1001	tR	40S
25	DBW187(C)	N1014	0	20MR

Summary of Disease Data and Agronomic Characteristics

Peninsular Zone

Trial: NIVT-6B-IR-ES-TAS-CZ/PZ, 2021-22

SN	Variety	Code	Disease Reaction	Agronomic Characteristics								
			Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	MP3567	N1002	10MS	58-67	63	99-129	115	57-96	86	0	31-59	42
2	DBW381	N1003	10MS	59-76	68	101-131	118	75-103	92	0	37-46	41
3	HI1680	N1004	0	50-58	54	91-126	110	64-97	84	10	40-51	44
4	GW543	N1005	10MS	62-73	68	99-129	118	77-97	88	0	40-52	45
5	UAS3026	N1006	20S	62-77	69	101-133	119	69-99	85	0	35-59	44
6	PBW881	N1007	0	54-67	60	97-129	114	60-87	76	0	30-43	35
7	NIAW4040	N1008	5MS	55-79	65	98-129	115	76-100	90	0	39-48	43
8	DBW405	N1009	10S	61-76	68	100-134	121	70-103	89	0	35-48	43
9	HD3435	N1010	5MS	62-72	69	103-137	123	76-111	93	0	28-54	37
10	MP3564	N1011	0	50-59	53	90-129	109	65-90	78	0	37-46	41
11	MP1391	N1012	10S	55-69	62	98-130	115	62-99	85	0	35-52	44
12	NIAW4174	N1013	0	50-64	58	95-130	113	67-94	83	0	41-54	49
13	UAS3025	N1015	0	62-72	68	101-131	118	81-110	96	0	35-51	45
14	CG1044	N1016	40S	69-76	72	106-130	120	87-114	101	0	36-53	44
15	MACS6802	N1017	0	50-64	60	98-132	115	69-95	84	0	39-54	45
16	DBW401	N1018	10S	65-75	70	102-134	121	76-101	89	0	31-47	41
17	GW545	N1019	20S	50-62	56	95-129	111	65-97	84	20	36-49	42
18	GW546	N1020	0	50-70	55	91-130	110	59-97	84	0	39-50	42
19	HI1681	N1021	0	51-71	60	92-131	112	53-99	83	0	36-49	41
20	DBW406	N1022	20S	62-78	70	101-133	119	74-99	88	0	33-49	41
21	GW544	N1023	0	53-63	58	95-127	113	71-100	89	0	37-49	44
22	MACS6803	N1024	5MS	51-61	57	97-132	115	69-95	85	0	40-50	44
23	HP1977	N1025	40S	55-73	63	99-138	122	76-107	94	0	34-47	38
24	GW322(C)	N1001	30S	56-66	63	100-129	115	73-97	86	0	34-49	40
25	DBW187(C)	N1014	10MS	60-70	65	99-129	116	73-108	91	0	41-54	45

1. Ancillary data from Dharwad, Karad, Nashik, Niphad, Pune and Ugar khurd centres.
2. Lodging data from Pune centre only.
3. Brown rust data from Dharwad and Ugar khurd centres.

NIVT-6B-IR-ES-TAS-CZ/PZ, 2021-22**Peninsular Zone****Individual Station Rust Data**

SN	Variety	Code	Brown rust	
			Dharwad	Ugarkhurd
1	MP3567	N1002	10MS	10MS
2	DBW381	N1003	10MS	5MS
3	HI1680	N1004	0	0
4	GW543	N1005	5MS	10MS
5	UAS3026	N1006	0	20S
6	PBW881	N1007	0	0
7	NIAW4040	N1008	0	5MS
8	DBW405	N1009	10S	5MS
9	HD3435	N1010	5MS	5MS
10	MP3564	N1011	0	0
11	MP1391	N1012	10MS	10S
12	NIAW4174	N1013	0	0
13	UAS3025	N1015	0	0
14	CG1044	N1016	20S	40S
15	MACS6802	N1017	0	0
16	DBW401	N1018	10S	0
17	GW545	N1019	10MS	20S
18	GW546	N1020	0	0
19	HI1681	N1021	0	0
20	DBW406	N1022	10S	20S
21	GW544	N1023	0	0
22	MACS6803	N1024	0	5MS
23	HP1977	N1025	30S	40S
24	GW322(C)	N1001	20S	30S
25	DBW187(C)	N1014	10MS	10MS