

## 2103-NIVT-2-IR-TS-TAS-NAT-ZONE, 2021-22

## LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ														
			M.P.						Rajasthan								
			Indore			Powarkheda			Jabalpur			Durgapura			Udaipur		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	MACS6815	N301	71.5	3	1	49.3	27	0	70.0	24	0	53.6	13	0	62.3	12	0
2	MACS6811	N302	65.3	9	1	48.6	29	0	71.5	18	0	55.6	7	0	58.8	19	0
3	UAS3020	N303	60.8	17	0	54.2	13	1	84.0	2	1	57.3	3	1	62.7	10	0
4	MP1386	N304	62.1	16	0	52.1	19	0	73.6	14	0	55.6	5	0	61.6	14	0
5	MP3558	N305	67.5	6	1	53.5	14	1	76.4	11	0	52.4	19	0	62.9	9	0
6	HI1670	N306	70.3	4	1	51.4	22	0	70.3	22	0	60.6	1	1	62.3	11	0
7	PWU15	N308	66.9	7	1	57.6	4	1	77.7	10	0	50.4	26	0	58.4	20	0
8	HI1669	N309	62.6	15	0	55.6	6	1	82.7	5	1	50.3	27	0	71.3	4	1
9	MP1387	N310	63.8	14	0	52.1	19	0	65.6	31	0	54.1	11	0	59.7	15	0
10	BLK-Balaji	N311	60.1	19	0	52.8	18	1	67.6	29	0	56.6	4	1	55.0	28	0
11	MACS6808	N312	75.1	1	1	60.4	1	1	74.0	13	0	54.8	10	0	47.4	34	0
12	CG1043	N313	53.7	31	0	56.3	5	1	80.3	7	0	51.8	20	0	57.5	21	0
13	NWS2222	N314	57.9	23	0	50.7	25	0	68.4	28	0	51.7	22	0	58.9	18	0
14	NIAW4153	N315	67.8	5	1	54.9	8	1	79.9	8	0	44.2	33	0	53.8	30	0
15	UAS3021	N316	64.1	13	0	54.9	12	1	83.5	3	1	51.8	20	0	55.1	27	0
16	MACS6809	N317	58.2	22	0	54.9	8	1	74.8	12	0	50.8	24	0	50.7	33	0
17	GW537	N319	56.4	26	0	50.0	26	0	66.9	30	0	57.7	2	1	51.8	32	0
18	WH1306	N320	64.1	12	0	60.4	1	1	80.5	6	0	53.3	15	0	67.0	6	1
19	GW536	N321	58.3	21	0	54.9	8	1	70.2	23	0	51.1	23	0	72.0	2	1
20	HI1671	N322	54.2	30	0	55.6	6	1	89.1	1	1	54.0	12	0	55.0	29	0
21	MP3559	N323	57.2	25	0	52.1	19	0	64.4	32	0	49.7	29	0	55.4	26	0
22	PBW891	N324	64.2	10	0	46.5	33	0	68.8	25	0	53.6	14	0	73.8	1	1
23	HD3424	N325	65.5	8	1	47.9	30	0	55.7	36	0	49.8	28	0	59.3	17	0
24	AKAW5314	N326	52.0	32	0	46.5	31	0	62.6	33	0	50.7	25	0	61.8	13	0
25	RVW4355	N327	45.4	34	0	39.6	35	0	71.1	20	0	46.4	31	0	47.2	35	0
26	NIAW4183	N328	73.8	2	1	53.5	14	1	79.1	9	0	52.5	17	0	55.7	25	0
27	AKAW5100	N329	55.0	29	0	49.3	27	0	61.1	34	0	52.6	16	0	65.8	7	1
28	DBW387	N330	60.6	18	0	52.8	17	1	71.1	19	0	52.5	18	0	59.5	16	0
29	RVW4358	N332	45.3	35	0	38.9	36	0	59.2	35	0	48.4	30	0	46.6	36	0
30	GW540	N333	50.7	33	0	54.9	8	1	68.5	27	0	41.7	36	0	68.0	5	1
31	DBW388	N334	55.6	28	0	40.3	34	0	73.1	16	0	55.4	8	0	56.5	24	0
32	RAJ4575	N335	64.2	11	0	46.5	31	0	68.6	26	0	42.1	35	0	53.5	31	0
33	GW541	N336	56.0	27	0	51.4	22	0	72.8	17	0	55.3	9	0	57.3	22	0
34	MACS6222(C)	N307	57.3	24	0	53.5	14	1	73.3	15	0	45.9	32	0	57.0	23	0
35	HI1544(C)	N318	43.2	36	0	58.3	3	1	83.3	4	1	43.5	34	0	65.5	8	1
36	GW322(C)	N331	58.3	20	0	51.4	22	0	70.7	21	0	55.6	5	0	71.4	3	1
G.M.			60.1			51.8			72.5			51.8			59.4		
S.E.(M)			4.491			3.375			3.127			1.788			3.961		
C.D. (10%)			10.7			8.1			7.6			4.3			9.6		
C.V.			10.6			9.2			6.1			4.9			9.4		
D.O.S.(dd.mm.yy)			10.11.21			15.11.21			10.11.21			05.11.21			13.11.21		

No. of Trials : Proposed =16 Conducted =16

Trials not reported (02) = CZ : Kota (LSM,LS) PZ : Akola (LSM)

## 2103-NIVT-2-IR-TS-TAS-NAT-ZONE, 2021-22

## LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	CZ						PZ								
			Chhattisgarh			Gujarat			Maharashtra								
			Bilaspur			Junagadh			Vijapur			Niphad			Pune		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	MACS6815	N301	50.8	7	0	71.0	1	1	63.1	22	0	43.1	14	0	64.1	19	0
2	MACS6811	N302	53.5	4	1	66.4	7	1	78.7	1	1	52.5	1	1	72.1	3	1
3	UAS3020	N303	50.3	9	0	70.3	2	1	72.9	5	1	38.9	24	0	70.7	5	1
4	MP1386	N304	41.5	35	0	65.1	9	1	60.6	30	0	40.6	19	0	62.7	21	0
5	MP3558	N305	47.0	16	0	69.0	3	1	67.0	13	0	51.6	3	1	68.8	6	0
6	HI1670	N306	45.9	21	0	63.7	12	0	74.4	3	1	39.9	21	0	52.1	31	0
7	PWU15	N308	42.8	32	0	60.5	18	0	63.4	21	0	43.5	13	0	67.2	9	0
8	HI1669	N309	54.9	2	1	61.8	15	0	70.9	7	0	41.1	17	0	65.3	14	0
9	MP1387	N310	43.6	28	0	58.3	23	0	71.1	6	1	35.8	28	0	65.4	13	0
10	BLK-Balaji	N311	49.6	10	0	50.6	34	0	48.3	36	0	37.8	26	0	45.6	33	0
11	MACS6808	N312	44.0	27	0	61.4	17	0	69.2	9	0	42.0	16	0	68.0	7	0
12	CG1043	N313	57.6	1	1	57.4	28	0	62.1	26	0	45.5	9	1	65.8	11	0
13	NWS2222	N314	44.0	26	0	66.7	6	1	65.2	18	0	47.7	7	1	64.8	16	0
14	NIAW4153	N315	45.5	25	0	68.5	4	1	63.0	23	0	50.2	4	1	66.4	10	0
15	UAS3021	N316	52.1	6	0	66.4	8	1	76.1	2	1	49.7	5	1	75.4	1	1
16	MACS6809	N317	42.4	34	0	59.6	20	0	69.2	10	0	49.1	6	1	64.4	18	0
17	GW537	N319	47.9	13	0	54.7	32	0	61.5	27	0	37.6	27	0	52.1	30	0
18	WH1306	N320	47.5	14	0	61.5	16	0	66.6	16	0	52.1	2	1	65.1	15	0
19	GW536	N321	39.2	36	0	66.7	5	1	68.5	12	0	45.3	10	1	61.2	24	0
20	HI1671	N322	45.7	22	0	58.1	25	0	62.5	25	0	34.5	31	0	61.2	23	0
21	MP3559	N323	42.8	33	0	56.2	30	0	69.8	8	0	29.0	34	0	49.8	32	0
22	PBW891	N324	46.5	19	0	58.2	24	0	73.1	4	1	34.4	32	0	71.3	4	1
23	HD3424	N325	45.5	23	0	59.9	19	0	55.4	33	0	32.7	33	0	60.2	26	0
24	AKAW5314	N326	46.1	20	0	57.5	27	0	61.2	28	0	40.9	18	0	67.2	8	0
25	RVW4355	N327	46.5	18	0	59.6	21	0	61.1	29	0	39.6	22	0	52.3	29	0
26	NIAW4183	N328	46.7	17	0	63.7	13	0	66.8	14	0	44.1	12	1	64.8	17	0
27	AKAW5100	N329	49.6	11	0	58.4	22	0	56.1	32	0	35.3	30	0	64.0	20	0
28	DBW387	N330	50.5	8	0	57.1	29	0	64.9	19	0	35.5	29	0	65.8	11	0
29	RVW4358	N332	45.5	24	0	47.6	35	0	53.3	35	0	27.8	36	0	40.0	36	0
30	GW540	N333	48.5	12	0	51.0	33	0	58.4	31	0	39.4	23	0	45.6	34	0
31	DBW388	N334	54.2	3	1	64.2	11	0	66.3	17	0	45.2	11	1	72.3	2	1
32	RAJ4575	N335	47.0	15	0	44.6	36	0	53.3	34	0	28.8	35	0	44.7	35	0
33	GW541	N336	43.6	29	0	54.8	31	0	62.6	24	0	37.8	25	0	53.3	28	0
34	MACS6222(C)	N307	43.3	31	0	63.7	14	0	68.8	11	0	40.0	20	0	62.0	22	0
35	HI1544(C)	N318	43.5	30	0	57.6	26	0	66.8	15	0	47.2	8	1	58.6	27	0
36	GW322(C)	N331	52.1	5	0	64.6	10	1	63.7	20	0	42.2	15	0	60.5	25	0
G.M.			47.2			60.5			64.9			41.1			61.4		
S.E.(M)			2.079			2.769			3.171			3.739			2.473		
C.D. (10%)			5.0			6.7			7.7			8.9			5.9		
C.V.			6.2			6.5			6.9			12.9			5.7		
D.O.S.(dd.mm.yy)			08.11.21			12.11.21			15.11.21			13.11.21			15.11.21		

## 2103-NIVT-2-IR-TS-TAS-NAT-ZONE, 2021-22

## LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	PZ											
			Maharashtra			Karnataka								
			Parbhani			Dharwad			Nippani			Ugar Khurd		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	MACS6815	N301	47.4	18	0	44.3	21	0	56.5	35	0	37.6	29	0
2	MACS6811	N302	61.6	3	1	58.4	9	1	56.8	34	0	53.3	5	1
3	UAS3020	N303	51.9	12	0	66.0	1	1	70.4	8	0	56.8	3	1
4	MP1386	N304	60.3	5	1	45.2	20	0	59.4	31	0	52.3	7	1
5	MP3558	N305	67.0	1	1	61.9	4	1	69.1	13	0	46.9	15	0
6	HI1670	N306	37.1	29	0	42.2	25	0	64.1	18	0	38.8	26	0
7	PWU15	N308	43.0	24	0	58.4	8	1	70.1	10	0	45.3	17	0
8	HI1669	N309	37.5	28	0	62.5	3	1	64.8	17	0	36.5	30	0
9	MP1387	N310	32.5	34	0	42.7	23	0	63.1	23	0	49.5	10	1
10	BLK-Balaji	N311	36.4	30	0	37.4	32	0	63.2	21	0	34.7	33	0
11	MACS6808	N312	44.4	21	0	52.5	15	0	62.4	27	0	41.0	22	0
12	CG1043	N313	60.7	4	1	35.3	34	0	63.0	25	0	39.3	24	0
13	NWS2222	N314	55.2	8	0	63.3	2	1	77.3	2	1	58.7	1	1
14	NIAW4153	N315	48.6	15	0	61.8	5	1	68.6	14	0	38.0	28	0
15	UAS3021	N316	59.1	6	1	60.9	6	1	70.7	7	0	56.8	2	1
16	MACS6809	N317	45.7	20	0	58.4	10	1	63.7	19	0	50.6	8	1
17	GW537	N319	48.3	16	0	42.3	24	0	68.4	15	0	50.2	9	1
18	WH1306	N320	66.3	2	1	47.8	18	0	61.6	29	0	52.6	6	1
19	GW536	N321	58.0	7	0	37.4	31	0	63.4	20	0	47.0	14	0
20	HI1671	N322	36.0	31	0	54.0	14	0	61.9	28	0	41.9	21	0
21	MP3559	N323	46.5	19	0	56.3	11	0	76.9	4	1	54.1	4	1
22	PBW891	N324	43.1	23	0	41.8	26	0	63.2	22	0	48.4	12	0
23	HD3424	N325	42.8	25	0	36.3	33	0	69.3	12	0	33.4	34	0
24	AKAW5314	N326	44.4	22	0	55.8	12	0	77.1	3	1	48.6	11	1
25	RVW4355	N327	47.6	17	0	54.1	13	0	62.5	26	0	43.0	19	0
26	NIAW4183	N328	54.5	9	0	59.2	7	1	72.6	5	1	43.3	18	0
27	AKAW5100	N329	51.0	14	0	52.0	17	0	84.0	1	1	42.2	20	0
28	DBW387	N330	40.0	27	0	39.3	29	0	71.7	6	1	39.1	25	0
29	RVW4358	N332	29.0	36	0	27.6	36	0	70.2	9	0	26.1	36	0
30	GW540	N333	32.7	33	0	30.7	35	0	60.3	30	0	36.4	31	0
31	DBW388	N334	29.8	35	0	39.9	28	0	70.0	11	0	47.4	13	0
32	RAJ4575	N335	41.1	26	0	38.5	30	0	57.2	32	0	38.2	27	0
33	GW541	N336	35.6	32	0	46.8	19	0	57.1	33	0	40.8	23	0
34	MACS6222(C)	N307	53.9	10	0	41.7	27	0	63.1	24	0	35.9	32	0
35	HI1544(C)	N318	51.6	13	0	52.4	16	0	54.1	36	0	45.3	16	0
36	GW322(C)	N331	53.0	11	0	43.8	22	0	65.9	16	0	32.6	35	0
G.M.			47.0			48.6			65.9			44.0		
S.E.(M)			3.648			3.942			5.454			4.261		
C.D. (10%)			8.8			9.5			13.2			10.3		
C.V.			11.0			11.5			11.7			13.7		
D.O.S.(dd.mm.yy)			15.11.21			15.11.21			13.11.21			15.11.21		

## 2103-NIVT-2-IR-TS-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	MACS6815	N301	61.5	9	1	48.8	26	0	56.0	18	0
2	MACS6811	N302	62.3	6	1	59.1	4	1	60.9	4	1
3	UAS3020	N303	64.1	1	1	59.1	5	1	61.9	2	1
4	MP1386	N304	59.0	18	0	53.4	13	0	56.6	13	0
5	MP3558	N305	62.0	7	1	60.9	3	1	61.5	3	1
6	HI1670	N306	62.4	5	1	45.7	31	0	55.2	20	0
7	PWU15	N308	59.7	14	0	54.6	12	0	57.5	10	0
8	HI1669	N309	63.7	2	1	51.3	19	0	58.4	8	0
9	MP1387	N310	58.5	20	0	48.2	29	0	54.1	28	0
10	BLK-Balaji	N311	55.1	31	0	42.5	33	0	49.7	33	0
11	MACS6808	N312	60.8	11	0	51.7	16	0	56.9	11	0
12	CG1043	N313	59.6	16	0	51.6	17	0	56.2	16	0
13	NWS2222	N314	57.9	22	0	61.2	2	1	59.3	6	0
14	NIAW4153	N315	59.7	15	0	55.6	9	0	57.9	9	0
15	UAS3021	N316	63.0	3	1	62.1	1	1	62.6	1	1
16	MACS6809	N317	57.6	25	0	55.3	10	0	56.6	14	0
17	GW537	N319	55.9	29	0	49.8	23	0	53.3	29	0
18	WH1306	N320	62.6	4	1	57.6	6	0	60.5	5	1
19	GW536	N321	60.1	13	0	52.1	15	0	56.7	12	0
20	HI1671	N322	59.3	17	0	48.2	28	0	54.5	24	0
21	MP3559	N323	55.9	28	0	52.1	14	0	54.3	26	0
22	PBW891	N324	60.6	12	0	50.4	21	0	56.2	15	0
23	HD3424	N325	54.9	32	0	45.8	30	0	51.0	32	0
24	AKAW5314	N326	54.8	33	0	55.7	8	0	55.2	21	0
25	RVW4355	N327	52.1	35	0	49.9	22	0	51.1	31	0
26	NIAW4183	N328	61.5	8	1	56.4	7	0	59.3	7	0
27	AKAW5100	N329	56.0	27	0	54.7	11	0	55.4	19	0
28	DBW387	N330	58.6	19	0	48.6	27	0	54.3	25	0
29	RVW4358	N332	48.1	36	0	36.8	36	0	43.2	36	0
30	GW540	N333	55.2	30	0	40.8	35	0	49.0	34	0
31	DBW388	N334	58.2	21	0	50.8	20	0	55.0	23	0
32	RAJ4575	N335	52.5	34	0	41.4	34	0	47.7	35	0
33	GW541	N336	56.7	26	0	45.2	32	0	51.8	30	0
34	MACS6222(C)	N307	57.8	23	0	49.4	25	0	54.2	27	0
35	HI1544(C)	N318	57.7	24	0	51.5	18	0	55.1	22	0
36	GW322(C)	N331	61.0	10	0	49.7	24	0	56.1	17	0
G.M.			58.5			51.3			55.4		
S.E.(M)			1.134			1.640			0.956		
C.D. (10%)			2.7			3.8			2.2		

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-2-IR-TS-TAS, 2021-22

SN	Variety	Code	Disease Reaction		Agronomic Characteristics							
			Br.	Bl.	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1.	MACS6815	N301	0	0	57-89	72	111-134	124	80-101	92	38-44	42
2.	MACS6811	N302	0	0	69-91	78	117-135	128	95-107	101	39-48	43
3.	UAS3020	N303	0	0	65-87	75	115-129	125	91-109	100	36-47	43
4.	MP1386	N304	0	20S	54-86	67	109-130	121	82-100	90	38-56	46
5.	MP3558	N305	0	0	58-81	68	111-127	120	85-103	94	35-49	42
6.	HI1670	N306	0	0	50-73	59	110-131	119	73-97	86	40-49	45
7.	PWU15	N308	0	0	53-81	66	107-129	120	77-98	88	40-51	43
8.	HI1669	N309	0	0	51-84	65	104-128	119	86-106	92	36-45	42
9.	MP1387	N310	0	0	58-83	70	113-130	123	85-101	93	43-50	46
10.	BLK-Balaji	N311	0	40S*	49-81	63	106-132	119	77-97	87	39-47	43
11.	MACS6808	N312	0	0	53-87	68	106-130	121	87-108	97	38-50	43
12.	CG1043	N313	0	0	55-79	66	107-127	119	90-109	99	41-53	48
13.	NWS2222	N314	0	0	57-84	69	110-130	122	83-104	96	36-45	42
14.	NIAW4153	N315	0	0	53-82	64	107-128	118	83-99	92	39-60	49
15.	UAS3021	N316	0	0	62-86	72	112-131	123	93-113	101	38-53	48
16.	MACS6809	N317	0	0	53-85	69	106-131	121	90-107	98	39-48	45
17.	GW537	N319	0	0	52-80	65	103-128	117	73-94	85	41-49	46
18.	WH1306	N320	0	0	59-81	70	109-129	122	94-113	102	41-47	44
19.	GW536	N321	0	0	52-78	64	113-128	120	71-96	87	42-61	53
20.	HI1671	N322	0	0	49-77	60	107-127	118	76-105	92	35-49	45
21.	MP3559	N323	0	0	48-80	60	105-128	118	71-102	87	34-47	42
22.	PBW891	N324	0	0	59-83	68	112-130	122	93-115	103	41-55	49
23.	HD3424	N325	0	0	68-96	79	115-134	126	86-105	95	32-41	38
24.	AKAW5314	N326	0	0	54-82	68	111-132	121	90-114	100	36-48	43
25.	RVW4355	N327	0	0	63-93	75	110-132	124	82-101	91	36-42	40
26.	NIAW4183	N328	0	0	54-85	66	106-129	119	80-96	89	41-56	48
27.	AKAW5100	N329	0	0	62-84	72	112-130	123	91-104	97	33-44	40
28.	DBW387	N330	0	0	63-89	76	114-132	126	82-106	95	35-43	38
29.	RVW4358	N332	tR	0	48-73	59	102-127	118	79-97	87	40-58	50
30.	GW540	N333	0	tR	51-78	63	104-126	117	77-100	90	40-50	46
31.	DBW388	N334	0	0	66-90	77	113-134	125	85-103	93	40-46	43
32.	RAJ4575	N335	0	0	48-74	58	103-126	116	76-99	88	39-57	48
33.	GW541	N336	0	0	51-76	61	105-127	117	80-98	90	35-46	41
34.	MACS6222(C)	N307	0	0	58-88	70	108-132	122	84-102	92	40-46	44
35.	HI1544(C)	N318	0	0	52-78	63	104-130	119	73-106	87	35-49	42
36.	GW322(C)	N331	0	0	55-81	67	107-128	119	84-102	92	36-48	42

1. Ancillary data from Bilaspur, Durgapura, Indore, Jabalpur, Junagarh, Powerkheda, Udaipur and Vijapur.
2. Brown rust data from Vijapur and Black rust reported from Junagarh and Vijapur.

**NIVT-2-IR-TS-TAS, 2021-22**  
**Central Zone**

**Individual Centre Black Rust Data**

SN	Variety	Code	Black rust	
			Junagarh	Vijapur
1	MACS6815	N301	0	0
2	MACS6811	N302	0	0
3	UAS3020	N303	0	0
4	MP1386	N304	20S	0
5	MP3558	N305	0	0
6	HI1670	N306	0	0
7	PWU15	N308	0	0
8	HI1669	N309	0	0
9	MP1387	N310	0	0
10	BLK-Balaji	N311	5R	40S
11	MACS6808	N312	0	0
12	CG1043	N313	0	0
13	NWS2222	N314	0	0
14	NIAW4153	N315	0	0
15	UAS3021	N316	0	0
16	MACS6809	N317	0	0
17	GW537	N319	0	0
18	WH1306	N320	0	0
19	GW536	N321	0	0
20	HI1671	N322	0	0
21	MP3559	N323	0	0
22	PBW891	N324	0	0
23	HD3424	N325	0	0
24	AKAW5314	N326	0	0
25	RVW4355	N327	0	0
26	NIAW4183	N328	0	0
27	AKAW5100	N329	0	0
28	DBW387	N330	0	0
29	RVW4358	N332	0	0
30	GW540	N333	0	tR
31	DBW388	N334	0	0
32	RAJ4575	N335	0	0
33	GW541	N336	0	0
34	MACS6222(C)	N307	0	0
35	HI1544(C)	N318	0	0
36	GW322(C)	N331	0	0

**Summary of Disease Data and Agronomic Characteristics**

**Peninsular Zone**

**Trial: NIVT-2-IR-TS-TAS, 2021-22**

SN	Variety	Code	Disease Reaction				Agronomic Characteristics							
			Br.	ACI	BI.	LB	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	TGW.R	TGW.M
1.	MACS6815	N301	10MS	2.0	0	02	55-66	61	96-120	106	70-95	85	36-43	40
2.	MACS6811	N302	tMS	0.2	0	01	57-73	67	97-129	110	85-102	96	40-48	44
3.	UAS3020	N303	10MS	2.0	0	01	52-68	61	94-117	104	82-101	96	45-50	46
4.	MP1386	N304	40S*	10.0	0	01	57-63	59	98-116	105	74-98	88	41-48	44
5.	MP3558	N305	0	0	0	00	51-66	60	93-121	104	87-97	90	41-44	42
6.	HI1670	N306	10MS	4.0	0	02	54-57	55	89-113	102	68-88	79	43-46	44
7.	PWU15	N308	10S	3.5	0	01	52-59	55	93-115	102	70-91	83	36-43	40
8.	HI1669	N309	5MS	1.0	0	01	50-61	56	91-115	101	63-95	84	39-45	42
9.	MP1387	N310	10MS	2.0	0	12	52-65	60	92-122	105	75-92	85	40-51	45
10.	BLK-Balaji	N311	60S	32.5	5MS	02	52-65	58	94-115	102	69-97	84	32-46	36
11.	MACS6808	N312	0	0	0	24	50-61	57	90-120	103	82-100	92	37-47	41
12.	CG1043	N313	20S	10.0	0	02	52-68	61	93-121	105	75-102	90	38-52	44
13.	NWS2222	N314	10MS	3.3	0	02	51-65	59	91-121	103	77-97	89	37-46	40
14.	NIAW4153	N315	0	0	0	01	52-60	56	92-119	103	78-92	86	44-56	48
15.	UAS3021	N316	5S	1.3	0	01	50-67	59	92-112	101	82-105	96	43-54	48
16.	MACS6809	N317	0	0	0	24	52-63	58	93-119	103	82-100	93	41-47	44
17.	GW537	N319	20S	9.5	0	12	54-59	57	90-115	102	70-90	80	35-47	41
18.	WH1306	N320	10MS	5.0	0	02	53-68	62	96-122	106	84-103	95	38-49	43
19.	GW536	N321	0	0	0	0	52-56	54	92-120	101	74-85	80	42-58	52
20.	HI1671	N322	5MS	2.0	0	01	52-55	53	93-112	101	74-92	84	44-53	48
21.	MP3559	N323	5S	1.3	0	12	50-54	52	89-116	100	75-90	82	38-49	42
22.	PBW891	N324	20S	7.5	5MS	02	50-67	59	90-118	104	75-103	93	40-54	45
23.	HD3424	N325	5MS	1.0	0	01	57-73	66	98-128	108	67-95	84	29-41	36
24.	AKAW5314	N326	10MS	3.3	0	01	52-59	56	94-121	104	76-98	89	30-47	41
25.	RVW4355	N327	10MS	2.0	0	01	55-70	62	96-122	106	77-91	86	35-43	39
26.	NIAW4183	N328	0	0	0	24	51-61	57	92-112	102	75-95	88	45-54	48
27.	AKAW5100	N329	0	0	0	02	54-68	61	95-121	105	75-96	90	36-42	38
28.	DBW387	N330	20S	7.0	0	02	57-69	62	98-119	106	76-98	88	34-41	37
29.	RVW4358	N332	10MS	3.0	0	24	50-55	53	93-115	101	73-99	87	42-53	46
30.	GW540	N333	30S	17.5	0	24	51-57	55	94-116	102	69-95	83	41-44	42
31.	DBW388	N334	60S*	17.0	tMS	02	55-70	65	95-125	108	67-94	84	37-46	41
32.	RAJ4575	N335	20S	5.0	0	01	50-58	54	90-116	102	73-86	80	41-54	45
33.	GW541	N336	10S	3.8	tMS	12	54-59	56	90-115	102	75-91	85	38-42	40
34.	MACS6222(C)	N307	0	0	0	02	51-70	62	94-120	108	69-92	85	35-46	40
35.	HI1544(C)	N318	10S	2.5	0	12	52-58	56	97-113	102	75-90	82	36-47	41
36.	GW322(C)	N331	20S	12.0	0	01	52-66	58	94-118	103	75-92	87	35-45	38

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

**NIVT-2-IR-TS-TAS, 2021-22**  
**Peninsular Zone**

**Individual Centre Disease Data**

SN	Variety	Code	Brown rust				Black rust		Leaf blight	
			Dharwad	Nippani	Pune	Ugar khurd	Dharwad	Ugar khurd	Dharwad	Ugar khurd
1	MACS6815	N301	0	0	0	10MS	0	0	02	00
2	MACS6811	N302	tMS	0	0	0	0	0	01	00
3	UAS3020	N303	10MS	0	0	0	0	0	01	00
4	MP1386	N304	40S	0	0	0	0	0	01	01
5	MP3558	N305	0	0	0	0	0	0	00	00
6	HI1670	N306	10MS	0	0	10MS	0	0	02	00
7	PWU15	N308	5MS	10S	0	0	0	0	01	00
8	HI1669	N309	0	0	0	5MS	0	0	00	01
9	MP1387	N310	10MS	0	0	0	0	0	12	0
10	BLK-Balaji	N311	30S	10S	30S	60S	0	5MS	02	0
11	MACS6808	N312	0	0	0	0	0	0	00	24
12	CG1043	N313	20S	0	0	20S	0	0	02	01
13	NWS2222	N314	10MS	0	0	5S	0	0	02	01
14	NIAW4153	N315	0	0	0	0	0	0	00	01
15	UAS3021	N316	0	0	0	5S	0	0	00	01
16	MACS6809	N317	0	0	0	0	0	0	12	24
17	GW537	N319	10S	10MS	0	20S	0	0	02	12
18	WH1306	N320	10MS	10MS	0	5MS	0	0	02	00
19	GW536	N321	0	0	0	0	0	0	00	00
20	HI1671	N322	5MS	0	0	5MS	0	0	01	00
21	MP3559	N323	0	0	0	5S	0	0	00	12
22	PBW891	N324	20S	0	0	10S	5MS	0	02	01
23	HD3424	N325	0	0	0	5MS	0	0	01	01
24	AKAW5314	N326	10MS	0	0	5S	0	0	00	01
25	RVW4355	N327	10MS	0	0	0	0	0	01	0
26	NIAW4183	N328	0	0	0	0	0	0	00	24
27	AKAW5100	N329	0	0	0	0	0	0	02	00
28	DBW387	N330	20S	10MS	0	0	0	0	02	00
29	RVW4358	N332	0	10MS	0	5MS	0	0	02	24
30	GW540	N333	30S	20S	0	20S	0	0	02	24
31	DBW388	N334	60S	0	0	10MS	tMS	0	02	01
32	RAJ4575	N335	20S	0	0	0	0	0	01	00
33	GW541	N336	10S	0	0	5S	tMS	0	02	12
34	MACS6222(C)	N307	0	0	0	0	0	0	02	00
35	HI1544(C)	N318	0	0	0	10S	0	0	00	12
36	GW322(C)	N331	10S	20S	10MS	10S	0	0	01	01