

**2309-NIVT-6-ES-IR-NWPZ/CZ, 2023-24**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	NWPZ														
			Delhi			Punjab			Haryana			U.P.					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	UP3148	N901	80.6	11	0	78.0	10	1	64.7	19	0	46.3	25	0	69.4	21	0
2	DBW473	N902	80.8	10	0	71.6	16	0	88.2	8	0	71.7	10	0	79.6	12	1
3	PBW934	N903	80.5	12	0	81.4	2	1	87.5	9	0	70.1	12	0	80.7	11	1
4	PBW931	N904	68.9	18	0	69.2	19	0	79.4	15	0	72.6	9	0	83.0	7	1
5	DBW474	N905	78.4	15	0	66.5	22	0	89.5	7	0	70.6	11	0	90.6	1	1
6	PBW932	N908	85.5	6	0	81.2	3	1	98.6	2	1	59.7	21	0	76.2	14	0
7	MP1406	N909	84.3	7	0	74.4	14	1	85.0	10	0	73.8	7	0	73.2	17	0
8	HD3489	N910	75.1	17	0	78.8	8	1	55.1	22	0	65.7	16	0	72.2	19	0
9	WH1334	N911	95.1	1	1	67.6	20	0	93.4	6	0	78.5	3	0	87.0	3	1
10	DBW475	N913	89.3	4	1	81.9	1	1	98.5	3	1	63.1	18	0	87.8	2	1
11	GW568	N914	46.2	25	0	62.9	25	0	36.8	25	0	65.1	17	0	69.1	22	0
12	DBW471	N915	59.0	22	0	76.4	11	1	69.0	18	0	66.1	15	0	65.3	23	0
13	PBW935	N916	89.4	3	1	80.5	6	1	99.9	1	1	80.6	2	1	83.0	8	1
14	DBW472	N917	64.4	20	0	78.2	9	1	60.5	21	0	76.4	4	0	84.1	5	1
15	HD3492	N918	58.9	23	0	70.6	17	0	61.3	20	0	62.9	19	0	74.3	16	0
16	HD3491	N920	77.5	16	0	73.1	15	1	81.1	13	0	66.5	14	0	76.2	15	0
17	RAJ4591	N921	56.5	24	0	76.0	12	1	50.4	23	0	53.4	24	0	58.1	25	0
18	WH1333	N922	86.7	5	1	80.9	5	1	93.4	5	0	75.0	5	0	76.5	13	0
19	PBW933	N923	67.4	19	0	69.5	18	0	74.4	17	0	55.6	23	0	82.5	9	1
20	HD3490	N924	89.9	2	1	64.1	24	0	82.7	12	0	72.9	8	0	72.9	18	0
21	GW564	N925	63.2	21	0	65.5	23	0	47.4	24	0	58.9	22	0	63.0	24	0
22	DBW327 (C)	N906	83.0	8	0	81.1	4	1	96.2	4	1	75.0	5	0	84.5	4	1
23	DBW187 (C)	N907	79.9	13	0	75.8	13	1	76.7	16	0	82.6	1	1	80.7	10	1
24	GW322 (C)	N912	78.6	14	0	79.1	7	1	80.0	14	0	62.8	20	0	69.6	20	0
25	DBW303 (C)	N919	81.2	9	0	67.0	21	0	83.7	11	0	68.9	13	0	83.6	6	1
G.M.			76.0			74.1			77.3			67.8			76.9		
S.E.(M)			4.009			3.699			3.148			1.217			5.350		
C.D. (10%)			9.7			9.0			7.6			2.9			13.2		
C.V.			7.5			7.1			5.8			2.5			9.8		
D.O.S.(dd.mm.yy)			27.10.23			27.10.23			25.10.23			01.11.23			10.11.23		

No. of Trials : Proposed = 14 Conducted = 14  
 Trial not conducted (00) = Nil  
 Trials not reported (05) = NWPZ: Karnal (LSM)  
 CZ : Indore (RMT), Jabalpur-JNKVV (RMT),  
 Powarkheda (LSM), Vijapur (LSM)

**2309-NIVT-6-ES-IR-NWPZ/CZ, 2023-24**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	NWPZ			CZ								
			Rajasthan			Chhattisgarh		Gujarat		M.P.				
			Sriganga-nagar			Bilaspur		Junagadh		BISA-Jabalpur				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	UP3148	N901	67.9	22	0	54.2	16	0	46.3	20	0	60.3	23	0
2	DBW473	N902	73.6	18	0	60.8	9	0	58.7	9	0	81.0	12	0
3	PBW934	N903	86.1	1	1	70.8	3	1	73.0	2	1	83.1	7	1
4	PBW931	N904	73.8	17	0	49.2	22	0	65.6	5	0	67.8	21	0
5	DBW474	N905	83.7	3	1	70.9	2	1	70.7	3	1	82.3	9	1
6	PBW932	N908	76.0	13	0	68.5	5	1	50.4	18	0	51.4	25	0
7	MP1406	N909	78.1	10	0	57.2	13	0	61.4	6	0	81.3	11	1
8	HD3489	N910	72.2	20	0	54.4	15	0	54.2	15	0	68.9	19	0
9	WH1334	N911	75.2	15	0	61.0	8	0	74.8	1	1	79.7	13	0
10	DBW475	N913	73.8	16	0	55.8	14	0	58.0	10	0	83.2	6	1
11	GW568	N914	64.6	24	0	49.8	21	0	53.7	16	0	65.6	22	0
12	DBW471	N915	67.8	23	0	47.1	24	0	46.3	21	0	84.1	4	1
13	PBW935	N916	79.7	7	0	57.6	12	0	60.8	8	0	83.8	5	1
14	DBW472	N917	79.7	6	0	51.2	20	0	44.3	24	0	54.2	24	0
15	HD3492	N918	76.0	12	0	47.0	25	0	56.1	13	0	70.0	18	0
16	HD3491	N920	68.6	21	0	60.6	10	0	45.5	22	0	85.4	3	1
17	RAJ4591	N921	59.9	25	0	51.5	19	0	47.9	19	0	68.8	20	0
18	WH1333	N922	84.8	2	1	51.7	18	0	43.6	25	0	82.9	8	1
19	PBW933	N923	77.0	11	0	69.0	4	1	45.5	23	0	72.0	16	0
20	HD3490	N924	79.3	8	0	59.6	11	0	57.9	11	0	75.7	15	0
21	GW564	N925	73.3	19	0	52.8	17	0	51.0	17	0	71.0	17	0
22	DBW327 (C)	N906	83.4	4	1	71.0	1	1	66.8	4	0	87.3	2	1
23	DBW187 (C)	N907	75.6	14	0	61.0	7	0	57.6	12	0	81.6	10	1
24	GW322 (C)	N912	83.0	5	1	49.2	23	0	61.0	7	0	79.7	14	0
25	DBW303 (C)	N919	79.0	9	0	61.3	6	0	55.8	14	0	90.3	1	1
G.M.			75.7			57.7			56.3			75.7		
S.E.(M)			2.317			3.709			2.799			3.707		
C.D. (10%)			5.7			9.0			6.9			9.2		
C.V.			4.3			9.1			7.0			6.9		
D.O.S.(dd.mm.yy)			31.10.23			09.11.23			02.11.23			03.11.23		

**2309-NIVT-6-ES-IR-NWPZ/CZ, 2023-24  
ZONAL AND NATIONAL MEANS (q/ha)**

SN	Variety	Code	NWPZ			CZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	UP3148	N901	67.8	20	0	53.6	24	0	63.1	22	0
2	DBW473	N902	77.6	11	0	66.8	7	0	74.0	11	0
3	PBW934	N903	81.0	6	0	75.6	1	1	79.2	3	1
4	PBW931	N904	74.5	15	0	60.9	15	0	70.0	16	0
5	DBW474	N905	79.9	7	0	74.7	3	1	78.1	5	0
6	PBW932	N908	79.5	8	0	56.8	21	0	72.0	13	0
7	MP1406	N909	78.1	10	0	66.6	9	0	74.3	10	0
8	HD3489	N910	69.8	19	0	59.2	17	0	66.3	18	0
9	WH1334	N911	82.8	4	1	71.8	4	1	79.1	4	1
10	DBW475	N913	82.4	5	1	65.7	10	0	76.8	6	0
11	GW568	N914	57.4	25	0	56.4	22	0	57.1	25	0
12	DBW471	N915	67.3	22	0	59.2	18	0	64.6	20	0
13	PBW935	N916	85.5	1	1	67.4	6	0	79.5	2	1
14	DBW472	N917	73.9	16	0	49.9	25	0	65.9	19	0
15	HD3492	N918	67.3	21	0	57.7	20	0	64.1	21	0
16	HD3491	N920	73.8	17	0	63.8	12	0	70.5	15	0
17	RAJ4591	N921	59.1	24	0	56.1	23	0	58.1	24	0
18	WH1333	N922	82.9	3	1	59.4	16	0	75.1	7	0
19	PBW933	N923	71.1	18	0	62.2	14	0	68.1	17	0
20	HD3490	N924	77.0	13	0	64.4	11	0	72.8	12	0
21	GW564	N925	61.9	23	0	58.3	19	0	60.7	23	0
22	DBW327 (C)	N906	83.9	2	1	75.0	2	1	80.9	1	1
23	DBW187 (C)	N907	78.6	9	0	66.8	8	0	74.6	8	0
24	GW322 (C)	N912	75.5	14	0	63.3	13	0	71.5	14	0
25	DBW303 (C)	N919	77.2	12	0	69.1	5	0	74.5	9	0
G.M.			74.6			63.2			70.8		
S.E.(M)			1.445			1.981			1.168		
C.D. (10%)			3.4			4.7			2.7		

## Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-6-IR-ES-TAS 2023-24

SN	Variety	Code	Rust Reaction		Agronomic Characteristics							Grain Characteristics	
			YI	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	UP3148	N901	0	0	100-128	113	147-169	156	97-113	105	50	37-55	44
2	DBW473	N902	10S	5S	100-110	105	149-165	153	88-107	99	35	40-48	44
3	PBW934	N903	5MR	0	99-110	103	149-164	155	84-117	96	45	39-47	44
4	PBW931	N904	0	0	93-110	102	144-165	152	92-112	100	35	40-56	45
5	DBW474	N905	5MR	5S	97-109	103	141-165	152	87-109	96	35	44-61	50
6	PBW932	N908	10S	5S	95-113	106	146-168	155	86-107	94	25	36-45	40
7	MP1406	N909	20S	0	102-113	108	150-168	156	92-109	101	40	44-61	48
8	HD3489	N910	0	0	80-117	99	145-163	152	92-102	97	5	38-56	43
9	WH1334	N911	10S	0	101-113	106	147-168	154	87-105	93	20	44-58	49
10	DBW475	N913	40S	5S	96-118	104	149-166	154	91-105	99	35	41-46	44
11	GW568	N914	60S	5S	79-104	95	143-164	151	83-103	92	20	37-55	43
12	DBW471	N915	10S	5S	92-107	100	143-162	150	82-97	93	60	42-58	48
13	PBW935	N916	20MS	0	96-109	103	142-163	153	95-111	101	20	39-58	47
14	DBW472	N917	20MS	0	76-105	93	141-168	151	87-106	97	10	39-59	49
15	HD3492	N918	40S	10S	83-108	98	144-168	152	78-96	86	0	37-57	44
16	HD3491	N920	0	0	90-116	107	151-164	155	94-116	105	55	36-47	40
17	Raj4591	N921	0	0	87-109	100	142-168	153	93-108	100	35	39-52	42
18	WH1333	N922	5S	0	92-107	102	149-164	155	92-114	103	40	35-52	46
19	PBW933	N923	10MR	0	101-122	112	150-169	158	96-118	110	50	43-54	48
20	HD3490	N924	5MR	5S	92-111	102	147-163	153	88-111	103	55	33-48	39
21	GW564	N925	60S	10S	95-108	102	147-169	154	96-112	103	45	42-53	45
22	DBW327 (C)	N906	10S	10S	97-106	102	141-163	151	85-106	96	35	45-55	49
23	DBW187 (C)	N907	0	0	97-108	104	145-165	152	84-107	98	35	40-51	45
24	GW322 (C)	N912	20S	5S	92-105	99	143-164	151	90-102	95	40	39-50	42
25	DBW303 (C)	N919	5MR	5S	95-106	101	142-160	150	89-107	102	30	37-45	41

1. Ancillary data from Hisar ,BISA-Ladhowal, Bulandshahr, Delhi, Karnal, Ludhiana and Sriganaganagar centres.
2. Lodging data from BISA-Ladhowal, Delhi, and Karnal centres.
3. Yellow rust and brown rust data from Hisar and Karnal centres.

**NIVT-6-IR-ES-TAS, 2023-24**  
**North Western Plains Zone**  
**Individual Station Rust Data**

SN	Variety	Code	Yellow rust		Brown rust	
			Hisar	Karnal	Hisar	Karnal
1.	UP3148	N901	0	0	0	0
2.	DBW473	N902	10S	5MR	5S	0
3.	PBW934	N903	0	5MR	0	0
4.	PBW931	N904	0	0	0	0
5.	DBW474	N905	0	5MR	0	5S
6.	PBW932	N908	10S	5S	5S	0
7.	MP1406	N909	0	20S	0	0
8.	HD3489	N910	0	0	0	0
9.	WH1334	N911	5S	10S	0	0
10.	DBW475	N913	0	40S	5S	0
11.	GW568	N914	10S	60S	5S	0
12.	DBW471	N915	10S	5MR	5S	0
13.	PBW935	N916	0	10MS	0	0
14.	DBW472	N917	5S	20MS	0	0
15.	HD3492	N918	30S	40S	10S	0
16.	HD3491	N920	0	0	0	0
17.	Raj4591	N921	0	0	0	0
18.	WH1333	N922	0	5S	0	0
19.	PBW933	N923	0	10MR	0	0
20.	HD3490	N924	0	5MR	5S	0
21.	GW564	N925	30S	60S	10S	0
22.	DBW327 (C)	N906	0	10S	5S	10S
23.	DBW187 (C)	N907	0	0	0	0
24.	GW322 (C)	N912	0	20S	5S	0
25.	DBW303 (C)	N919	0	5MR	5S	0

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: NIVT-6-IR-ES-TAS-, 2023-24

SN	Variety	Code	Disease Reaction	Agronomic Characteristics							Grain Characteristic	
			BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	UP3148	N901	0	66-96	84	118-146	134	83-102	94	0	30-47	39
2	DBW473	N902	tMS	56-78	68	106-131	122	80-100	89	0	37-50	46
3	PBW934	N903	0	55-78	65	97-131	118	78-89	82	0	38-52	48
4	PBW931	N904	0	53-79	65	99-128	119	78-100	88	0	38-46	44
5	DBW474	N905	tR	56-79	67	98-130	120	80-94	88	5	43-55	51
6	PBW932	N908	0	60-82	71	107-135	123	72-91	83	0	33-54	42
7	MP1406	N909	0	57-87	74	108-133	124	77-95	86	0	37-51	48
8	HD3489	N910	0	52-70	59	97-127	116	67-96	82	0	35-46	43
9	WH1334	N911	tR	56-81	69	100-129	120	74-94	86	0	40-54	50
10	DBW475	N913	0	58-80	69	108-130	121	77-100	90	0	35-52	46
11	GW568	N914	0	53-72	61	96-126	117	62-83	72	0	36-48	44
12	DBW471	N915	0	51-70	61	97-126	115	72-93	83	10	38-54	46
13	PBW935	N916	0	55-81	67	100-126	119	80-95	90	20	40-56	50
14	DBW472	N917	0	50-69	58	97-128	117	69-96	81	0	38-52	49
15	HD3492	N918	0	51-74	60	96-125	116	55-79	71	0	37-51	46
16	HD3491	N920	tMS	57-88	73	114-133	126	86-105	96	15	36-44	39
17	Raj4591	N921	tR	56-78	64	111-133	122	86-101	93	0	37-46	43
18	WH1333	N922	tMS	51-71	61	99-127	118	72-100	88	5	36-55	48
19	PBW933	N923	10S	64-97	79	113-135	127	77-105	97	0	41-56	48
20	HD3490	N924	0	52-77	64	97-129	119	72-99	87	40	37-46	42
21	GW564	N925	0	52-72	61	96-126	118	72-103	89	10	36-50	46
22	DBW327 (C)	N906	0	56-73	66	101-130	120	79-97	88	5	42-53	49
23	DBW187 (C)	N907	0	55-75	65	97-127	117	84-95	89	30	41-56	49
24	GW322 (C)	N912	0	55-76	65	106-125	119	79-96	87	5	32-48	42
25	DBW303 (C)	N919	0	53-78	64	98-132	120	72-98	86	0	38-47	43

1. Ancillary data from Bilaspur, BISA-Jabalpur, JNKVV-Jabalpur, Indore, Junagadh, Powarkheda and Vijapur centres.
2. Lodging data from BISA-Jabalpur and Vijapur centres.
3. Black rust data from Vijapur centre.