

2109-NIVT-6A-ES-IR-NWPZ/NEPZ, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ														
			Delhi			Punjab						Haryana					
			Delhi			Ludhiana		Gurdaspur		Hisar			Karnal				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HD3433	N901	77.4	2	1	59.8	25	0	61.5	19	1	52.6	25	0	66.1	18	0
2	HI1682	N902	79.6	1	1	69.9	12	0	64.1	14	1	70.3	8	0	69.4	16	1
3	UP3115	N903	74.1	6	1	66.6	18	0	69.6	5	1	66.2	12	0	76.0	2	1
4	DBW404	N904	72.1	11	1	65.1	21	0	61.1	21	1	59.8	18	0	74.8	5	1
5	DBW382	N905	62.3	23	0	70.1	10	0	67.9	7	1	58.8	19	0	74.9	4	1
6	PBW878	N906	75.0	5	1	77.5	1	1	64.6	12	1	71.3	6	0	74.8	6	1
7	BRW3922	N908	71.4	13	1	71.0	9	0	69.6	4	1	73.8	3	0	74.7	7	1
8	HD3432	N909	73.0	8	1	68.9	15	0	70.0	2	1	55.2	23	0	72.3	11	1
9	WH1314	N910	70.5	16	0	67.7	17	0	57.0	25	0	63.1	17	0	64.5	21	0
10	K2001	N912	60.6	25	0	65.7	19	0	57.4	24	0	57.6	20	0	62.0	24	0
11	PBW879	N913	69.7	18	0	74.8	4	1	70.2	1	1	68.8	10	0	71.6	13	1
12	PBW880	N914	69.4	20	0	73.9	5	1	69.8	3	1	67.0	11	0	68.6	17	1
13	RAJ4571	N915	68.8	21	0	69.3	14	0	66.9	9	1	64.9	14	0	71.6	12	1
14	HD3431	N916	71.3	14	1	65.1	20	0	63.4	15	1	64.3	15	0	77.4	1	1
15	WH1313	N918	71.2	15	1	73.0	6	1	61.7	18	1	74.9	2	0	70.4	14	1
16	DBW380	N919	76.3	3	1	72.2	8	1	61.9	17	1	71.5	5	0	76.0	3	1
17	DBW403	N920	76.0	4	1	72.5	7	1	66.0	11	1	66.0	13	0	74.6	9	1
18	PBW877	N921	64.7	22	0	63.6	23	0	64.2	13	1	55.1	24	0	57.8	25	0
19	DBW296	N922	72.0	12	1	75.5	2	1	61.5	20	1	63.4	16	0	74.7	8	1
20	DBW379	N923	72.7	9	1	69.9	13	0	57.6	23	0	78.3	1	1	64.8	20	0
21	DBW383	N924	73.5	7	1	74.8	3	1	67.9	6	1	69.1	9	0	66.0	19	0
22	UP3116	N925	61.9	24	0	60.1	24	0	63.4	16	1	55.3	22	0	63.8	22	0
23	HD3086(C)	N907	69.4	19	0	64.8	22	0	66.3	10	1	57.5	21	0	62.0	23	0
24	DBW303(C)	N911	72.3	10	1	67.8	16	0	60.9	22	1	71.1	7	0	70.2	15	1
25	DBW187(C)	N917	69.7	17	0	70.0	11	0	67.7	8	1	73.1	4	0	73.9	10	1
G.M.			71.0			69.2			64.5			65.2			70.1		
S.E.(M)			3.424			2.611			3.927			1.441			3.718		
C.D. (10%)			8.3			6.4			9.7			3.5			9.0		
C.V.			6.8			5.3			8.6			3.1			7.5		
D.O.S.(dd.mm.yy)			28.10.21			29.10.21			01.11.21			29.10.21			31.10.21		

No. of Trials : Proposed = 19 Conducted = 19
 Trials not reported (09)=NWPZ : BISA-Ladhowal (LSM), Pantnagar (LSM), Gwalior (LSM, LS)
 Sriganaganagar (LSM), Bulandshahr (LSM)
 NEPZ : Varanasi (RMT), Kanpur (RMT), BISA-Pusa (LS), Kalyani (LSM)

2109-NIVT-6A-ES-IR-NWPZ/NEPZ, 2021-22
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ						NEPZ								
			Rajasthan			U.P.			U.P.			Bihar			Jharkhand		
			Bharatpur			Modipuram			Ayodhya			Sabour			Ranchi		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HD3433	N901	62.1	20	0	58.9	22	0	55.9	14	0	48.2	22	0	51.7	19	0
2	HI1682	N902	88.3	3	1	74.7	7	0	59.0	10	0	69.6	4	1	53.1	18	0
3	UP3115	N903	87.4	5	1	80.5	1	1	56.9	12	0	52.4	19	0	62.5	6	0
4	DBW404	N904	63.1	18	0	70.1	14	0	52.1	18	0	62.3	10	0	55.8	16	0
5	DBW382	N905	61.0	21	0	56.9	25	0	63.5	8	0	50.8	21	0	55.7	17	0
6	PBW878	N906	83.9	6	1	71.0	12	0	68.1	2	1	69.4	5	1	50.6	22	0
7	BRW3922	N908	77.4	8	0	69.5	15	0	59.7	9	0	70.9	1	1	69.9	1	1
8	HD3432	N909	88.3	3	1	73.9	8	0	64.2	6	1	58.2	17	0	59.5	10	0
9	WH1314	N910	68.3	12	0	65.5	19	0	44.4	23	0	59.0	15	0	50.8	20	0
10	K2001	N912	64.4	15	0	71.1	10	0	54.9	16	0	36.6	25	0	57.9	12	0
11	PBW879	N913	51.4	25	0	76.5	5	1	63.9	7	1	62.1	11	0	56.9	14	0
12	PBW880	N914	80.6	7	0	67.1	17	0	59.0	10	0	58.7	16	0	47.2	24	0
13	RAJ4571	N915	64.3	16	0	64.4	21	0	66.3	4	1	51.0	20	0	67.1	2	1
14	HD3431	N916	91.8	1	1	65.4	20	0	56.6	13	0	63.3	9	0	65.7	4	1
15	WH1313	N918	65.9	13	0	78.3	2	1	44.8	22	0	69.9	2	1	65.6	5	1
16	DBW380	N919	63.8	17	0	77.3	4	1	66.8	3	1	68.1	6	1	60.0	9	0
17	DBW403	N920	69.3	11	0	70.9	13	0	69.1	1	1	60.3	13	0	44.4	25	0
18	PBW877	N921	62.8	19	0	57.8	23	0	48.6	20	0	40.2	24	0	49.3	23	0
19	DBW296	N922	55.5	24	0	65.8	18	0	55.7	15	0	64.1	8	1	50.6	21	0
20	DBW379	N923	74.8	9	0	75.6	6	1	47.6	21	0	52.8	18	0	56.9	15	0
21	DBW383	N924	57.1	23	0	57.7	24	0	41.7	25	0	62.0	12	0	62.1	7	0
22	UP3116	N925	91.5	2	1	71.1	11	0	50.0	19	0	44.8	23	0	65.8	3	1
23	HD3086(C)	N907	60.9	22	0	67.4	16	0	43.1	24	0	64.5	7	1	57.5	13	0
24	DBW303(C)	N911	74.2	10	0	72.8	9	0	52.8	17	0	59.9	14	0	58.6	11	0
25	DBW187(C)	N917	64.9	14	0	77.8	3	1	66.0	5	1	69.7	3	1	60.5	8	0
G.M.			70.9			69.5			56.4			58.8			57.4		
S.E.(M)			3.632			2.012			2.359			2.818			1.959		
C.D. (10%)			8.8			5.0			5.7			7.0			4.8		
C.V.			7.2			4.1			5.9			6.8			4.8		
D.O.S.(dd.mm.yy)			02.11.21			04.11.21			04.11.21			05.11.21			04.11.22		

2109-NIVT-6A-ES-IR-NWPZ/NEPZ, 2021-22
ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	NWPZ			NEPZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HD3433	N901	62.6	24	0	52.0	22	0	59.4	23	0
2	HI1682	N902	73.8	3	1	60.6	9	0	69.8	3	1
3	UP3115	N903	74.3	1	1	57.3	12	0	69.2	6	1
4	DBW404	N904	66.6	19	0	56.7	15	0	63.6	17	0
5	DBW382	N905	64.6	21	0	56.7	16	0	62.2	20	0
6	PBW878	N906	74.0	2	1	62.7	4	0	70.6	2	1
7	BRW3922	N908	72.5	4	1	66.8	1	1	70.8	1	1
8	HD3432	N909	71.7	5	1	60.6	8	0	68.4	8	0
9	WH1314	N910	65.2	20	0	51.4	23	0	61.1	22	0
10	K2001	N912	62.7	23	0	49.8	24	0	58.8	24	0
11	PBW879	N913	69.0	14	0	61.0	7	0	66.6	11	0
12	PBW880	N914	70.9	9	0	55.0	19	0	66.1	12	0
13	RAJ4571	N915	67.2	15	0	61.5	6	0	65.5	14	0
14	HD3431	N916	71.2	7	0	61.9	5	0	68.4	7	0
15	WH1313	N918	70.8	10	0	60.1	10	0	67.6	9	0
16	DBW380	N919	71.3	6	0	65.0	3	1	69.4	4	1
17	DBW403	N920	70.7	11	0	57.9	11	0	66.9	10	0
18	PBW877	N921	60.8	25	0	46.0	25	0	56.4	25	0
19	DBW296	N922	66.9	16	0	56.8	14	0	63.9	16	0
20	DBW379	N923	70.5	12	0	52.4	21	0	65.1	15	0
21	DBW383	N924	66.6	18	0	55.3	17	0	63.2	18	0
22	UP3116	N925	66.7	17	0	53.5	20	0	62.8	19	0
23	HD3086(C)	N907	64.0	22	0	55.0	18	0	61.3	21	0
24	DBW303(C)	N911	69.9	13	0	57.1	13	0	66.1	13	0
25	DBW187(C)	N917	71.0	8	0	65.4	2	1	69.3	5	1
G.M.			68.6			57.5			65.3		
S.E.(M)			1.170			1.388			0.919		
C.D. (10%)			2.7			3.3			2.1		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-6A-IR-ES-TAS-NWPZ/NEPZ, 2021-22

SN	Variety	Code	Disease Reaction			Agronomic Characteristics								
			YI	Br	ACI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	TGW.R	TGW.M
1	HD3433	N 901	tMR	5MS	1.3	90 -119	104	132-166	151	94-113	102	5	30-43	37
2	HI1682	N 902	10MS	10MS	2.7	84-115	98	131-164	148	96-108	96	0	28-52	42
3	UP3115	N 903	20S	20S	6.7	86-120	104	131-166	151	82-108	97	0	23-42	38
4	DBW404	N 904	10MS	10S	3.3	89-120	103	134-166	149	81-103	97	5	27-51	41
5	DBW382	N 905	5MR	40S	26.7	88-122	108	130-135	152	90-108	100	0	22-40	34
6	PBW878	N 906	tMR	40S	26.7	84-115	96	131-165	148	82-105	93	0	30-60	45
7	BRW3922	N 908	20S	5MS	1.3	92-118	102	131-164	149	84-113	100	0	32-44	39
8	HD3432	N 909	20MS	5MS	1.3	88-122	105	130-166	150	75-100	90	0	22-51	40
9	WH1314	N 910	5MR	20S	6.7	80-114	94	131-166	147	79-109	93	0	24-48	42
10	K2001	N 912	10MS	0	0	90-119	109	132-166	152	79-112	99	10	27-51	36
11	PBW879	N 913	5MS	20S	6.7	86-117	103	130-164	150	74-107	95	0	25-41	39
12	PBW880	N 914	tMR	20S	6.7	89-115	100	130-166	149	82-108	94	0	26-47	41
13	RAJ4571	N 915	20MS	0	0	86-115	95	130-163	146	80-116	100	5	33-50	44
14	HD3431	N 916	20S	20S	8.3	86-114	98	131-166	148	76-111	99	5	29-48	41
15	WH1313	N 918	tMR	10S	6.7	88-109	97	130-163	147	74-108	94	0	33-59	47
16	DBW380	N 919	5MS	30S	12.66	84-109	96	131-166	148	82-110	96	5	30-57	46
17	DBW403	N 920	5S	0	0	88-121	102	130-166	150	76-99	91	0	19-47	37
18	PBW877	N 921	tMR	20S	6.7	88-119	105	130-166	150	73-198	100	0	22-45	36
19	DBW296	N 922	5MR	5MS	1.3	88-118	102	130-165	148	82-109	98	5	22-49	40
20	DBW379	N 923	10MR	20S	16.0	84-116	99	131-163	147	92-110	100	0	31-48	42
21	DBW383	N 924	10S	20S	13.7	81-114	98	132-164	149	90-108	98	0	25-56	45
22	UP3116	N 925	5MR	20MS	5.3	90-122	108	131-163	151	85-112	102	5	25-43	36
23	HD3086(C)	N 907	tMR	40S	26.7	86-110	96	131-165	147	73-104	91	0	25-47	40
24	DBW303(C)	N 911	5MS	10S	3.4	86-112	95	131-164	147	82-110	98	5	25-47	39
25	DBW187(C)	N 917	tMR	5S	2.0	85-113	96	131-163	148	84-111	98	10	21-51	42

1. Ancillary data from BISA-Ladhowal, Delhi, Gurdaspur, Hisar, Karnal, Ludhiana, Modipuram, Bulandshahr, Gwalior, Bharatpur, Pantnagar, and Sriganaganagar.
2. Yellow rust data from Delhi and, Karnal centres.
3. Brown rust data from Delhi, Karnal and Pantnagar centres.
4. Lodging data from Gurdaspur, Delhi, Gwalior, Sriganaganagar and Pantnagar centres.

NIVT-6A-IR-ES-TAS-NWPZ/NEPZ, 2021-22
North Western Plains Zone
Individual Station Rust Data

SN	Variety	Code	Yellow rust		Brown rust		
			Delhi	Karnal	Delhi	Karnal	Pantnagar
1	HD3433	N 901	0	tMR	5MS	0	0
2	HI1682	N 902	0	10MS	10MS	0	0
3	UP3115	N 903	10S	20S	20S	0	0
4	DBW404	N 904	5MR	10MS	10S	0	0
5	DBW382	N 905	0	5MR	40S	0	40S
6	PBW878	N 906	0	tMR	30S	10S	40S
7	BRW3922	N 908	0	20S	5MS	0	0
8	HD3432	N 909	0	20MS	5MS	0	0
9	WH1314	N 910	0	5MR	20S	0	0
10	K2001	N 912	0	10MS	0	0	0
11	PBW879	N 913	0	5MS	20S	0	0
12	PBW880	N 914	0	tMR	20S	0	0
13	RAJ4571	N 915	0	20MS	0	0	0
14	HD3431	N 916	0	20S	20S	5S	0
15	WH1313	N 918	0	tMR	10S	10S	0
16	DBW380	N 919	0	5MS	30S	10MS	0
17	DBW403	N 920	0	5S	0	0	0
18	PBW877	N 921	tR	tMR	20S	0	0
19	DBW296	N 922	0	5MR	5MS	0	0
20	DBW379	N 923	0	10MR	20S	10MS	20S
21	DBW383	N 924	10S	5MS	20S	20S	tS
22	UP3116	N 925	0	5MR	20MS	0	0
23	HD3086(C)	N 907	0	tMR	20S	20S	40S
24	DBW303(C)	N 911	0	5MS	10S	tR	0
25	DBW187(C)	N 917	0	tMR	5S	tS	0

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: NIVT-6A-IR-ES-TAS-NWPZ/NEPZ, 2021-22

SN	Variety	Code	Disease Reaction	Agronomic Characteristics								
			LB, HS(Av)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	TGW.R	TGW.M
1	HD3433	N 901	46(35)	68-106	90	120-142	132	99-102	100	0	34-44	40
2	HI1682	N 902	35(25)	60-91	80	114-137	126	84-97	90	0	42-58	49
3	UP3115	N 903	35(34)	66-96	86	116-137	131	87-96	91	0	37-50	42
4	DBW404	N 904	36(35)	70-97	86	120-140	131	86-99	95	0	34-47	40
5	DBW382	N 905	35(24)	70-100	91	120-142	133	87-96	93	0	33-48	38
6	PBW878	N 906	35(12)	62-89	80	114-137	128	80-93	87	0	39-52	47
7	BRW3922	N 908	35(23)	68-97	86	120-141	131	83-102	96	0	35-54	43
8	HD3432	N 909	24(12)	66-99	87	116-139	129	84-92	87	0	39-47	43
9	WH1314	N 910	46(23)	60-90	79	116-139	127	83-87	85	0	40-47	44
10	K2001	N 912	36(35)	90-98	95	122-140	133	93-100	97	40	36-53	41
11	PBW879	N 913	36(35)	68-94	87	122-139	130	83-96	88	0	35-47	40
12	PBW880	N 914	35(12)	64-96	85	118-139	129	87-96	91	0	42-49	46
13	RAJ4571	N 915	46(23)	60-90	79	102-133	123	77-97	91	0	37-54	46
14	HD3431	N 916	36(24)	66-94	84	117-138	129	87-98	94	0	38-45	42
15	WH1313	N 918	13(12)	66-91	83	120-138	129	86-90	88	0	39-56	47
16	DBW380	N 919	46(23)	60-90	80	116-137	128	83-92	86	0	39-53	46
17	DBW403	N 920	36(24)	66-94	85	122-140	131	80-88	83	0	34-48	42
18	PBW877	N 921	35(24)	68-99	89	120-140	131	77-81	79	0	27-46	38
19	DBW296	N 922	46(23)	67-97	85	114-139	129	90-97	93	0	37-56	43
20	DBW379	N 923	45(23)	60-93	80	110-136	126	81-91	88	0	35-58	45
21	DBW383	N 924	45(34)	66-93	82	120-137	129	85-100	94	0	41-51	46
22	UP3116	N 925	46(36)	75-98	92	122-138	132	88-102	95	0	33-43	37
23	HD3086(C)	N 907	45(24)	61-89	79	104-137	124	77-97	87	5	33-50	40
24	DBW303(C)	N 911	57(24)	60-92	79	115-135	126	83-94	89	0	34-44	41
25	DBW187(C)	N 917	46(34)	64-93	81	118-134	128	87-98	91	5	38-47	42

1. Ancillary data from Ayodhya, BISA-PUSA, Kalyani, Ranchi and Sabour
2. Lodging data from Sabour centre.
3. Leaf blight data from Ayodhya, Kalyani and Sabour centre.

Trial: NIVT-6A-IR-ES-TAS-NWPZ/NEPZ, 2021-22
North Eastern Plains Zone
Individual Station Leaf Blight Data

SN	Variety	Code	Ayodhya	Kalyani	Sabour
1	HD3433	N 901	24	46	34
2	HI1682	N 902	24	00	35
3	UP3115	N 903	35	24	34
4	DBW404	N 904	36	24	35
5	DBW382	N 905	35	13	34
6	PBW878	N 906	35	00	12
7	BRW3922	N 908	35	00	34
8	HD3432	N 909	12	00	24
9	WH1314	N 910	12	00	46
10	K2001	N 912	35	36	24
11	PBW879	N 913	34	25	36
12	PBW880	N 914	12	00	35
13	RAJ4571	N 915	12	00	46
14	HD3431	N 916	36	00	35
15	WH1313	N 918	12	13	12
16	DBW380	N 919	46	00	13
17	DBW403	N 920	12	25	36
18	PBW877	N 921	35	24	23
19	DBW296	N 922	34	00	46
20	DBW379	N 923	12	00	45
21	DBW383	N 924	34	24	45
22	UP3116	N 925	36	46	25
23	HD3086(C)	N 907	36	00	45
24	DBW303(C)	N 911	24	00	57
25	DBW187(C)	N 917	35	00	46