

## 1801-NIVT-1A-IR-TS-TAS-NAT-ZONE, 2018-19

## LOCATIONWISE MEAN YIELD (q/ha)

S.N	Variety	Code	NWPZ																	
			Delhi			Jammu			Punjab			Haryana								
			Delhi			Jammu			Ludhiana		Gurdaspur	Hisar		IIWBR-Karnal						
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	NW 7060	N-101	65.4	12	0	53.1	12	0	56.3	26	0	57.0	25	0	58.4	13	0	73.2	23	0
2	DBW 282	N-102	57.6	20	0	63.5	5	1	54.1	27	0	49.2	30	0	56.3	16	0	87.7	4	1
3	HD 3318	N-104	66.0	8	0	39.6	32	0	46.4	29	0	53.6	28	0	58.5	12	0	53.1	36	0
4	Raj 4539	N-106	40.2	34	0	33.9	33	0	45.2	30	0	37.1	36	0	40.0	36	0	80.9	13	1
5	NABIMG 09	N-107	41.8	33	0	28.1	36	0	41.5	32	0	53.8	27	0	46.3	34	0	70.2	29	0
6	HD 3323	N-108	64.5	14	0	50.0	15	0	65.4	18	0	63.8	16	0	54.9	22	0	84.2	7	1
7	UP 3028	N-109	49.6	29	0	45.3	24	0	69.3	13	1	62.1	18	0	55.9	18	0	75.6	21	0
8	K 1801	N-110	63.4	15	0	47.9	20	0	39.6	35	0	38.3	35	0	53.6	25	0	72.0	25	0
9	WH 1256	N-111	73.0	1	1	57.8	9	0	71.9	9	1	57.3	23	0	64.5	9	0	88.9	3	1
10	HUW 833	N-112	64.7	13	0	51.0	13	0	73.7	2	1	70.3	7	1	74.7	2	1	84.7	6	1
11	UP 3026	N-113	46.5	32	0	66.1	4	1	69.9	12	1	54.6	26	0	53.2	28	0	76.1	20	0
12	WH 1257	N-114	47.7	31	0	46.6	23	0	66.6	17	0	76.1	2	1	55.4	21	0	78.2	16	1
13	HD 3319	N-115	66.7	6	0	47.7	22	0	62.0	22	0	65.6	13	0	51.8	30	0	76.3	18	0
14	HD 3320	N-116	66.0	9	0	42.7	28	0	72.5	7	1	59.6	22	0	59.5	11	0	68.5	33	0
15	DBW 281	N-117	71.0	3	1	47.9	20	0	72.9	5	1	78.3	1	1	53.2	27	0	80.3	14	1
16	HD 3322	N-118	62.4	17	0	49.5	16	0	72.9	5	1	63.5	17	0	62.0	10	0	83.1	10	1
17	NABIMG 11	N-119	38.2	35	0	41.6	29	0	45.2	31	0	38.6	34	0	55.6	20	0	58.8	35	0
18	DBW 284	N-120	55.2	23	0	54.7	11	0	73.6	3	1	67.7	9	0	55.9	19	0	78.8	15	1
19	Raj 4537	N-121	54.8	25	0	44.8	25	0	63.4	20	0	61.7	20	0	71.3	3	0	83.4	9	1
20	PBW 803	N-122	65.9	10	0	70.6	3	1	68.9	15	1	73.3	5	1	75.2	1	1	92.3	2	1
21	UP 3025	N-123	70.0	5	1	50.5	14	0	71.4	10	1	51.0	29	0	49.9	31	0	69.8	31	0
22	HD 3321	N-124	57.7	19	0	60.9	8	0	58.6	24	0	68.6	8	1	49.6	33	0	75.4	22	0
23	WH1 255	N-125	54.9	24	0	62.0	7	0	71.0	11	1	74.0	3	1	56.4	15	0	82.4	11	1
24	DBW 283	N-126	54.3	26	0	71.4	1	1	62.3	21	0	67.7	9	0	56.1	17	0	81.9	12	1
25	NABIMG 10	N-127	56.7	21	0	40.6	31	0	67.6	16	1	67.0	11	0	53.5	26	0	69.3	32	0
26	PBW 805	N-128	65.7	11	0	44.8	25	0	73.9	1	1	71.4	6	1	66.1	6	0	92.4	1	1
27	NW 7067	N-129	48.3	30	0	49.0	19	0	56.3	25	0	64.6	14	0	52.4	29	0	71.7	27	0
28	UP 3027	N-130	70.0	4	1	49.2	18	0	72.2	8	1	64.0	15	0	65.6	8	0	71.9	26	0
29	PBW 802	N-131	60.7	18	0	70.8	2	1	61.4	23	0	66.7	12	0	53.8	24	0	71.1	28	0
30	WH 1258	N-132	56.0	22	0	63.0	6	1	65.2	19	0	60.0	21	0	54.4	23	0	76.2	19	0
31	PBW 804	N-133	71.6	2	1	41.4	30	0	69.2	14	1	61.9	19	0	70.4	4	0	87.2	5	1
32	Raj 4538	N-135	34.3	36	0	33.3	34	0	40.6	34	0	41.5	32	0	45.6	35	0	70.1	30	0
33	HD 3086 (C)	N-103	63.3	16	0	55.7	10	0	73.4	4	1	57.3	23	0	65.8	7	0	84.0	8	1
34	HD 2967 (C)	N-105	50.9	28	0	43.4	27	0	40.9	33	0	39.7	33	0	57.2	14	0	76.5	17	0
35	K 1006 (C)	N-134	51.8	27	0	49.5	16	0	39.3	36	0	47.1	31	0	49.9	32	0	73.1	24	0
36	DBW 88 (C)	N-136	66.5	7	0	29.2	35	0	52.8	28	0	73.4	4	1	70.0	5	0	67.7	34	0
G.M.			58.1			49.9			61.3			59.9			57.6			76.9		
S.E.(M)			2.348			3.721			2.937			4.245			1.400			6.122		
C.D. (10%)			5.6			8.9			7.0			10.1			3.4			14.6		
C.V.			5.7			10.5			6.8			10.0			3.4			11.3		
D.O.S.(dd.mm.yy)			15.11.18			01.11.18			10.11.18			13.11.18			05.11.18			01.11.18		

No. of Trials: Proposed = 18

Conducted = 18

**1801-NIVT-1A-IR-TS-TAS-NAT-ZONE, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

S.N	Variety	Code	NWPZ						NEPZ											
			Uttarakhand			Rajasthan			U.P.			U.P.								
			Pantnagar			Durgapura			Bulandshahr			Kanpur		Faizabad		Varanasi				
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	NW 7060	N-101	60.5	5	1	57.9	21	0	61.3	11	0	55.2	22	0	51.6	18	0	40.7	31	0
2	DBW 282	N-102	64.0	2	1	60.3	15	0	61.5	10	0	40.3	35	0	44.5	32	0	48.2	11	0
3	HD 3318	N-104	60.3	7	1	70.1	7	0	65.6	3	1	55.7	21	0	59.6	11	0	44.0	27	0
4	Raj 4539	N-106	59.5	12	0	48.8	33	0	58.2	18	0	38.5	36	0	41.4	36	0	36.1	36	0
5	NABIMG 09	N-107	51.2	30	0	49.1	32	0	64.6	6	1	54.8	24	0	44.5	32	0	47.5	12	0
6	HD 3323	N-108	59.5	11	0	58.9	18	0	56.0	25	0	61.0	4	1	50.0	24	0	38.8	33	0
7	UP 3028	N-109	58.1	17	0	83.2	1	1	64.4	7	1	55.7	20	0	60.9	10	0	45.9	18	0
8	K 1801	N-110	54.6	24	0	48.5	34	0	57.1	21	0	49.1	29	0	44.5	32	0	45.7	20	0
9	WH 1256	N-111	64.1	1	1	64.9	10	0	60.8	12	0	56.3	18	0	62.5	8	0	45.6	21	0
10	HUW 833	N-112	59.6	10	0	64.7	11	0	59.3	15	0	44.1	31	0	58.3	13	0	49.2	8	0
11	UP 3026	N-113	55.2	23	0	53.0	27	0	55.9	26	0	58.9	15	1	45.8	30	0	43.0	29	0
12	WH 1257	N-114	57.2	20	0	51.2	29	0	57.6	19	0	59.0	14	1	56.8	14	0	45.5	22	0
13	HD 3319	N-115	51.1	31	0	53.5	25	0	56.9	22	0	51.4	26	0	50.3	22	0	46.5	16	0
14	HD 3320	N-116	54.3	27	0	60.0	17	0	65.0	4	1	41.9	33	0	65.1	4	0	49.0	9	0
15	DBW 281	N-117	56.0	22	0	72.2	4	0	53.1	31	0	60.8	5	1	65.9	3	1	48.5	10	0
16	HD 3322	N-118	63.9	3	1	62.6	13	0	65.9	2	1	42.5	32	0	61.2	9	0	44.7	25	0
17	NABIMG 11	N-119	42.8	36	0	36.4	36	0	58.8	16	0	44.4	30	0	41.9	35	0	38.7	34	0
18	DBW 284	N-120	57.6	19	0	50.7	31	0	55.1	28	0	50.6	28	0	55.2	16	0	45.5	23	0
19	Raj 4537	N-121	53.6	28	0	57.2	22	0	51.1	34	0	59.6	11	1	50.5	21	0	51.0	5	0
20	PBW 803	N-122	58.0	18	0	65.8	9	0	60.1	14	0	60.2	7	1	59.6	11	0	46.9	15	0
21	UP 3025	N-123	51.9	29	0	77.5	3	1	54.3	29	0	59.5	12	1	49.7	25	0	52.2	3	0
22	HD 3321	N-124	54.6	24	0	53.3	26	0	53.5	30	0	59.9	8	1	45.8	30	0	51.7	4	0
23	WH1 255	N-125	58.4	15	0	58.2	20	0	62.8	8	1	55.2	23	0	62.8	7	0	49.4	6	0
24	DBW 283	N-126	45.0	35	0	62.2	14	0	62.6	9	1	56.3	19	0	47.4	27	0	47.1	13	0
25	NABIMG 10	N-127	54.5	26	0	56.7	23	0	60.5	13	0	59.9	10	1	55.5	15	0	43.0	30	0
26	PBW 805	N-128	48.1	33	0	60.1	16	0	51.8	33	0	63.3	1	1	65.1	4	0	58.5	1	1
27	NW 7067	N-129	58.7	13	0	52.8	28	0	56.8	23	0	59.9	9	1	48.7	26	0	39.3	32	0
28	UP 3027	N-130	47.5	34	0	71.9	5	0	50.7	35	0	59.3	13	1	51.6	18	0	45.7	19	0
29	PBW 802	N-131	59.7	9	1	70.5	6	0	56.5	24	0	41.5	34	0	70.8	2	1	47.1	14	0
30	WH 1258	N-132	63.1	4	1	58.8	19	0	58.4	17	0	56.5	17	0	47.4	27	0	43.2	28	0
31	PBW 804	N-133	60.0	8	1	62.8	12	0	55.6	27	0	61.8	3	1	72.1	1	1	49.3	7	0
32	Raj 4538	N-135	58.5	14	0	44.0	35	0	50.4	36	0	51.4	27	0	50.3	22	0	37.9	35	0
33	HD 3086 (C)	N-103	60.5	6	1	80.8	2	1	64.8	5	1	60.5	6	1	65.1	4	0	54.7	2	0
34	HD 2967 (C)	N-105	50.6	32	0	56.4	24	0	66.0	1	1	52.9	25	0	54.4	17	0	44.3	26	0
35	K 1006 (C)	N-134	56.1	21	0	51.0	30	0	53.1	32	0	57.5	16	1	47.4	27	0	46.2	17	0
36	DBW 88 (C)	N-136	58.1	16	0	67.5	8	0	57.3	20	0	61.8	2	1	51.3	20	0	44.9	24	0
G.M.			56.3			59.8			58.4			54.4			54.3			46.0		
S.E.(M)			1.881			3.098			1.778			2.614			2.904			1.076		
C.D. (10%)			4.5			7.5			4.3			6.3			6.9			2.6		
C.V.			4.7			7.3			4.3			6.8			7.6			3.3		
D.O.S.(dd.mm.yy)			14.11.18			14.11.18			14.11.18			25.11.18			22.11.18			22.11.18		

**1801-NIVT-1A-IR-TS-TAS-NAT-ZONE, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

S.N	Variety	Code	NEPZ																	
			Bihar						Jharkhand			W.B.								
			IARI-Pusa			Sabour			Ranchi			Kalyani			Manichak			Coochbehar		
Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	NW 7060	N-101	51.9	20	0	40.4	25	0	57.6	18	0	47.6	6	0	55.4	9	1	42.4	13	0
2	DBW 282	N-102	58.2	3	1	43.3	16	0	62.5	6	1	43.4	12	0	53.5	10	1	39.7	22	0
3	HD 3318	N-104	46.3	26	0	45.2	11	0	49.8	31	0	43.2	14	0	56.4	6	1	40.8	17	0
4	Raj 4539	N-106	41.1	35	0	39.7	28	0	41.7	34	0	43.7	10	0	47.2	22	0	32.6	34	0
5	NABIMG 09	N-107	43.4	31	0	34.9	34	0	43.0	33	0	33.8	31	0	33.5	36	0	37.3	26	0
6	HD 3323	N-108	57.5	6	1	42.4	19	0	60.5	9	1	35.7	27	0	36.6	34	0	40.9	15	0
7	UP 3028	N-109	42.4	34	0	41.9	21	0	56.3	22	0	50.6	1	1	43.8	28	0	33.3	33	0
8	K 1801	N-110	57.7	4	1	48.6	6	0	54.2	26	0	44.2	8	0	39.8	31	0	44.4	9	0
9	WH 1256	N-111	56.0	9	1	47.4	8	0	60.3	10	1	38.4	21	0	53.4	11	1	27.8	35	0
10	HUW 833	N-112	44.1	29	0	37.5	32	0	58.8	16	0	39.3	20	0	46.4	23	0	40.3	20	0
11	UP 3026	N-113	54.3	13	1	41.8	22	0	50.7	29	0	44.2	9	0	44.2	27	0	41.8	14	0
12	WH 1257	N-114	43.5	30	0	50.2	4	1	54.8	24	0	37.3	24	0	50.2	17	0	40.8	18	0
13	HD 3319	N-115	52.7	16	0	39.9	26	0	50.3	30	0	33.2	32	0	52.4	12	1	26.7	36	0
14	HD 3320	N-116	43.1	32	0	50.2	3	1	55.3	23	0	48.2	5	0	50.4	15	0	37.5	25	0
15	DBW 281	N-117	62.2	1	1	44.7	13	0	67.3	1	1	37.3	25	0	48.3	19	0	37.0	27	0
16	HD 3322	N-118	53.4	15	1	46.7	9	0	63.1	5	1	42.6	15	0	62.4	1	1	56.3	1	1
17	NABIMG 11	N-119	43.0	33	0	28.9	36	0	47.8	32	0	35.2	29	0	50.3	16	0	38.0	24	0
18	DBW 284	N-120	46.4	25	0	38.9	30	0	41.4	35	0	37.0	26	0	48.2	20	0	34.3	32	0
19	Raj 4537	N-121	51.6	21	0	33.7	35	0	58.3	17	0	48.3	4	1	48.4	18	0	46.7	7	1
20	PBW 803	N-122	52.3	17	0	49.3	5	1	51.6	28	0	33.1	33	0	50.5	14	0	50.8	3	1
21	UP 3025	N-123	52.0	19	0	41.1	23	0	66.2	2	1	43.4	11	0	58.4	4	1	40.5	19	0
22	HD 3321	N-124	55.7	10	1	43.9	15	0	59.1	14	0	37.9	23	0	55.7	8	1	40.9	16	0
23	WH1 255	N-125	56.4	8	1	44.6	14	0	63.7	4	1	42.5	16	0	60.6	3	1	35.1	30	0
24	DBW 283	N-126	53.7	14	1	42.9	18	0	59.0	15	0	45.6	7	0	56.7	5	1	51.5	2	1
25	NABIMG 10	N-127	46.7	24	0	43.0	17	0	64.5	3	1	39.7	19	0	34.1	35	0	46.8	5	1
26	PBW 805	N-128	57.6	5	1	39.7	27	0	54.2	27	0	38.4	22	0	56.4	6	1	44.2	10	0
27	NW 7067	N-129	48.4	23	0	38.3	31	0	56.9	21	0	25.8	36	0	39.7	32	0	36.2	28	0
28	UP 3027	N-130	45.0	27	0	53.3	1	1	61.2	8	1	35.0	30	0	52.2	13	1	40.0	21	0
29	PBW 802	N-131	48.8	22	0	37.0	33	0	60.1	12	1	43.4	13	0	41.9	30	0	35.8	29	0
30	WH 1258	N-132	45.0	28	0	41.9	20	0	61.5	7	1	39.9	18	0	43.1	29	0	50.1	4	1
31	PBW 804	N-133	52.3	18	0	52.7	2	1	57.0	20	0	49.1	3	1	61.7	2	1	44.0	11	0
32	Raj 4538	N-135	40.5	36	0	39.0	29	0	39.2	36	0	35.6	28	0	45.1	25	0	34.7	31	0
33	HD 3086 (C)	N-103	59.0	2	1	40.9	24	0	57.0	19	0	40.4	17	0	46.0	24	0	45.3	8	0
34	HD 2967 (C)	N-105	56.9	7	1	45.6	10	0	60.1	11	1	31.9	34	0	38.4	33	0	44.0	12	0
35	K 1006 (C)	N-134	55.3	11	1	48.3	7	0	54.6	25	0	50.2	2	1	47.9	21	0	46.7	6	1
36	DBW 88 (C)	N-136	54.7	12	1	45.0	12	0	60.0	13	1	31.5	35	0	45.0	26	0	39.6	23	0
G.M.			50.8			42.9			56.1			40.2			48.7			40.7		
S.E.(M)			3.694			1.913			3.130			0.990			4.806			4.013		
C.D. (10%)			8.8			4.6			7.6			2.4			11.5			9.6		
C.V.			10.3			6.3			7.9			3.5			13.9			13.9		
D.O.S.(dd.mm.yy)			25.11.18			24.11.18			16.11.18			18.11.18			22.11.18			24.11.18		

**1801-NIVT-1A-IR-TS-TAS-NAT-ZONE, 2018-19**  
**ZONAL AND NATIONAL MEANS (q/ha)**

S.N	Variety	Code	NWPZ			NEPZ			NATIONAL		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	NW 7060	N-101	60.3	20	0	49.2	15	0	54.8	18	0
2	DBW 282	N-102	61.6	16	0	48.2	20	0	54.9	17	0
3	HD 3318	N-104	57.0	28	0	49.0	16	0	53.0	26	0
4	Raj 4539	N-106	49.3	34	0	40.2	36	0	44.8	34	0
5	NABIMG 09	N-107	49.6	33	0	41.4	34	0	45.5	33	0
6	HD 3323	N-108	61.9	14	0	47.1	28	0	54.5	21	0
7	UP 3028	N-109	62.6	12	0	47.9	22	0	55.2	14	0
8	K 1801	N-110	52.8	31	0	47.6	25	0	50.2	32	0
9	WH 1256	N-111	67.0	3	0	49.7	13	0	58.4	7	0
10	HUW 833	N-112	67.0	4	0	46.4	29	0	56.7	10	0
11	UP 3026	N-113	58.9	26	0	47.2	27	0	53.1	25	0
12	WH 1257	N-114	59.6	23	0	48.7	18	0	54.2	23	0
13	HD 3319	N-115	59.1	25	0	44.8	30	0	51.9	28	0
14	HD 3320	N-116	60.9	18	0	49.0	17	0	54.9	16	0
15	DBW 281	N-117	65.0	6	0	52.4	4	0	58.7	5	1
16	HD 3322	N-118	65.1	5	0	52.5	3	0	58.8	4	1
17	NABIMG 11	N-119	46.2	36	0	40.9	35	0	43.6	36	0
18	DBW 284	N-120	61.0	17	0	44.2	31	0	52.6	27	0
19	Raj 4537	N-121	60.1	22	0	49.8	12	0	55.0	15	0
20	PBW 803	N-122	70.0	1	1	50.5	9	0	60.3	1	1
21	UP 3025	N-123	60.7	19	0	51.5	7	0	56.1	11	0
22	HD 3321	N-124	59.1	24	0	50.1	11	0	54.6	20	0
23	WH1 255	N-125	64.4	8	0	52.2	5	0	58.3	8	0
24	DBW 283	N-126	62.6	11	0	51.1	8	0	56.9	9	0
25	NABIMG 10	N-127	58.5	27	0	48.1	21	0	53.3	24	0
26	PBW 805	N-128	63.8	9	0	53.1	2	0	58.4	6	0
27	NW 7067	N-129	56.7	29	0	43.7	32	0	50.2	31	0
28	UP 3027	N-130	62.5	13	0	49.3	14	0	55.9	12	0
29	PBW 802	N-131	63.5	10	0	47.4	26	0	55.4	13	0
30	WH 1258	N-132	61.7	15	0	47.6	23	0	54.6	19	0
31	PBW 804	N-133	64.5	7	0	55.5	1	1	60.0	2	1
32	Raj 4538	N-135	46.5	35	0	41.5	33	0	44.0	35	0
33	HD 3086 (C)	N-103	67.3	2	0	52.1	6	0	59.7	3	1
34	HD 2967 (C)	N-105	53.5	30	0	47.6	24	0	50.6	30	0
35	K 1006 (C)	N-134	52.3	32	0	50.5	10	0	51.4	29	0
36	DBW 88 (C)	N-136	60.3	21	0	48.2	19	0	54.2	22	0
G.M.			59.8			48.2			54.0		
S.E.(M)			1.121			1.017			0.757		
C.D. (10%)			2.6			2.4			1.8		

## Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-1A-IR-TS-TAS, 2018-19

SN	Variety	Code	Disease Reactions				Agronomic Characteristics								Grain Characteristics			
			YI	ACI	Br	ACI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	NW7060	N-101	20S	6.0	5S	1.0	91-128	105	140-170	152	100-130	113	10	Ey	A	SH-H	32-43	38
2	DBW282	N-102	5MS	0.7	5S	1.2	95-125	105	142-170	153	96-110	104	20	Ey	A	SH-H	35-45	39
3	HD3318	N-104	60S	23.0	5S	1.0	90-125	105	140-170	151	92-110	102	10	Ey	A	SH-H	27-44	37
4	Raj4539	N-106	10S	3.5	5S	1.2	91-125	102	145-170	153	105-130	116	20	Ey	A	SH-H	39-48	42
5	NABIMG 09	N-107	60S	28.6	tMS	0.2	90-130	107	145-173	154	90-109	101	0	Ey	Gr-Blue	SH-H	29-39	35
6	HD3323	N-108	20MS	3.1	0.0	0.0	94-130	109	145-173	154	100-121	110	10	Ey	A	SH-H	30-41	37
7	UP3028	N-109	20S	5.2	5S	1.2	82-125	101	140-170	151	94-116	107	0	Ey	A	SH-H	40-54	46
8	K1801	N-110	40S	9.8	5S	2.0	89-125	104	141-165	152	99-125	115	35	Ey	A	SH-H	32-41	38
9	WH1256	N-111	5S	0.8	0.0	0.0	91-128	104	142-170	153	97-113	106	5	Ey	A	SH-H	34-49	42
10	HUW 833	N-112	40S	8.5	5MS	0.8	86-122	101	141-168	151	98-118	108	5	Ey	A	SH-H	35-44	39
11	UP3026	N-113	20MS	4.4	5S	1.0	92-128	108	144-170	154	102-124	114	15	Ey	A	SH-H	34-42	39
12	WH1257	N-114	60S	10.1	5S	1.0	87-122	104	142-170	152	98-115	107	10	Ey	A	SH-H	36-45	41
13	HD3319	N-115	5S	1.4	0.0	0.0	92-125	105	142-170	152	90-120	109	10	Ey	A	SH-H	36-46	41
14	HD3320	N-116	20S	5.5	20S	9.0	90-118	104	142-168	153	95-115	105	0	Ey	A	SH-H	39-49	41
15	DBW281	N-117	20S	4.6	30S	11.0	87-122	101	140-170	151	100-120	108	5	Ey	A	SH-H	41-50	44
16	HD3322	N-118	10MS	2.4	5MS	0.8	89-125	106	141-170	153	100-124	112	5	Ey	A	SH-H	38-50	43
17	NABIMG 11	N-119	20S	10.9	tS	0.4	89-125	108	144-170	155	102-121	109	15	Ey	Black	SH-H	30-39	35
18	DBW284	N-120	20MS	4.5	0.0	0.0	90-125	106	143-170	153	100-119	109	10	Ey	A	SH-H	39-49	43
19	Raj4537	N-121	20S	4.8	0.0	0.0	83-120	100	142-170	152	95-120	107	10	Ey	A	SH-H	34-48	41
20	PBW803	N-122	20S	3.6	0.0	0.0	81-125	98	139-170	151	95-119	107	0	Ey	A	SH-H	41-47	44
21	UP3025	N-123	5MS	1.3	20S	6.4	88-125	105	142-173	152	110-132	117	15	Ey	A	SH-H	39-49	43
22	HD3321	N-124	10MS	2.3	0.0	0.0	95-125	108	143-173	154	110-136	125	10	Ey	A	SH-H	35-43	40
23	WH1255	N-125	20S	6.7	0.0	0.0	90-125	104	141-170	151	102-116	108	0	Ey	A	SH-H	35-46	42
24	DBW283	N-126	tMS	0.1	0.0	0.0	94-125	110	145-170	155	105-122	111	5	Ey	A	SH-H	40-49	44
25	NABIMG 10	N-127	40S	6.0	5MR	0.4	92-120	106	142-170	153	90-107	100	0	Ey	Brown	SH-H	30-40	35
26	PBW805	N-128	60S	12.7	20S	5.2	85-125	100	141-170	151	98-124	111	15	Ey	A	SH-H	39-55	44
27	NW7067	N-129	40S	8.6	10S	2.0	92-125	105	143-170	152	103-133	118	15	Ey	A	SH-H	35-43	40
28	UP3027	N-130	60S	12.9	0.0	0.0	88-125	104	141-170	151	100-120	110	5	Ey	A	SH-H	39-47	42
29	PBW802	N-131	tMS	0.3	10S	5.2	90-126	108	143-173	153	97-123	106	15	Ey	A	SH-H	34-43	39
30	WH1258	N-132	5S	1.3	0.0	0.0	89-125	109	142-173	155	98-115	107	15	Ey	A	SH-H	31-50	43
31	PBW804	N-133	20S	5.3	tS	0.2	92-130	105	140-173	153	102-122	109	10	Ey	A	SH-H	40-50	45
32	Raj4538	N-135	20MS	4.3	5MR	0.3	90-125	104	145-170	154	100-125	112	25	Ey	A	SH-H	39-46	42
33	HD3086 (C)	N-103	40S	7.1	10S	3.0	85-125	100	141-170	151	90-116	104	0	Ey	A	SH-H	37-50	42
34	HD2967 (C)	N-105	60S	27.1	5S	1.2	95-128	111	146-170	155	101-120	108	15	Ey	A	SH-H	31-45	40
35	K1006 (C)	N-134	60S	15.4	15S	3.2	87-130	104	142-173	153	102-123	111	5	Ey	A	SH-H	31-42	38
36	DBW88 (C)	N-136	60S	20.8	tMS	0.2	87-114	101	141-165	152	98-116	107	5	Ey	A	SH-H	30-48	39

1. Ancillary data from Bulandshahar, Delhi, Durgapura, Gurdaspur, Hisar, Jammu, Karnal, Ludhiana, and Pantnagar.
2. Yellow rust data from Delhi, Jammu, Gurdaspur, Karnal, Hisar, Ludhiana and Pantnagar.
3. Brown rust data from Hisar, Karnal, Ludhiana, Gurdaspur and Pantnagar.
4. Lodging data from Bulandshahar, Durgapura, Hisar, Jammu and Gurdaspur.

## Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: NIVT-1A-IR-TS-TAS, 2018-19

SN	Variety	Code	Disease Reactions		Agronomic Characteristics								Grain Characteristics			
			Br	Leaf Blight HS(Av.)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	NW7060	N-101	-	35(13)	74-91	83	116-129	123	87-116	102	10	Ey	A	SH-H	32-43	38
2	DBW282	N-102	-	57(23)	74-93	83	114-130	123	87-99	94	20	Ey	A	H	36-46	40
3	HD3318	N-104	-	46(34)	69-85	79	114-134	123	87-99	92	40	Ey	A	SH-H	34-42	38
4	Raj4539	N-106	-	59(46)	71-87	81	115-131	124	95-113	103	75	Ey	A	SH-H	36-47	41
5	NABIMG 09	N-107	-	46(24)	70-97	85	117-138	127	86-103	92	20	Ey-M	Gr-Blue	SH-H	31-40	35
6	HD3323	N-108	-	68(35)	81-96	87	122-138	128	87-105	96	0	Ey	A	SH-H	32-44	38
7	UP3028	N-109	-	68(46)	69-87	79	114-133	122	81-102	95	20	Ey	A	SH-H	36-51	41
8	K1801	N-110	-	35(24)	71-92	83	114-132	123	91-116	105	60	Ey-M	A	SH-H	34-47	40
9	WH1256	N-111	-	68(34)	74-90	83	114-129	123	83-104	94	20	Ey	A	SH-H	36-51	44
10	HUW 833	N-112	-	46(34)	74-90	80	114-128	123	88-102	95	35	Ey	A	SH-H	35-48	42
11	UP3026	N-113	-	57(35)	74-92	86	120-138	126	93-109	103	10	Ey	A	SH-H	32-43	37
12	WH1257	N-114	-	45(25)	77-93	84	114-133	124	93-109	98	40	Ey	A	SH-H	35-47	41
13	HD3319	N-115	-	57(34)	77-93	83	116-138	125	93-111	101	0	Ey-M	A	SH-H	34-48	40
14	HD3320	N-116	tR	46(35)	74-95	83	114-129	124	88-106	98	30	Ey	A	SH-H	36-50	41
15	DBW281	N-117	-	57(35)	72-90	80	114-130	122	85-101	95	20	Ey-M	A	SH-H	35-46	41
16	HD3322	N-118	-	45(35)	81-94	86	120-138	127	93-110	101	5	Ey	A	SH-H	36-48	42
17	NABIMG 11	N-119	-	68(34)	78-95	86	118-138	126	85-105	97	10	Ey	Black	SH-H	29-37	33
18	DBW284	N-120	-	68(35)	78-91	85	120-134	126	90-109	100	15	Ey	A	SH-H	36-49	42
19	Raj4537	N-121	-	46(24)	71-85	79	118-131	124	92-107	99	15	Ey	A	SH-H	34-47	39
20	PBW803	N-122	-	67(45)	73-83	78	114-128	121	84-106	96	50	Ey-M	A	SH-H	34-54	46
21	UP3025	N-123	tR	68(35)	72-90	83	116-130	124	94-110	101	30	Ey	A	SH-H	34-46	42
22	HD3321	N-124	-	46(34)	82-97	89	122-135	128	95-122	107	15	Ey	A	SH-H	32-47	39
23	WH1255	N-125	-	68(35)	73-91	83	117-131	123	91-108	97	20	Ey	A	SH-H	33-45	38
24	DBW283	N-126	-	23(23)	82-98	89	116-138	127	93-111	99	0	Ey-M	A	SH-H	36-50	44
25	NABIMG 10	N-127	-	41(23)	73-93	84	118-138	126	77-93	87	0	Ey	Brown	SH-H	29-44	36
26	PBW805	N-128	-	46(34)	68-91	80	119-129	124	91-112	102	45	Ey	A	SH-H	38-51	44
27	NW7067	N-129	-	35(34)	74-92	84	120-138	126	95-118	106	50	Ey	A	SH-H	32-46	38
28	UP3027	N-130	-	52(33)	73-91	83	118-133	125	94-107	100	20	Ey	A	SH-H	36-48	41
29	PBW802	N-131	-	68(46)	83-96	88	122-138	129	84-99	92	0	Ey-M	A	SH-H	33-44	39
30	WH1258	N-132	-	46(24)	81-95	88	120-138	128	88-104	96	0	Ey-M	A	SH-H	36-52	44
31	PBW804	N-133	-	56(35)	72-95	84	114-131	124	88-110	98	30	Ey	A	SH-H	34-53	43
32	Raj4538	N-135	-	67(35)	67-91	80	114-132	123	90-112	104	50	Ey	A	SH-H	36-47	42
33	HD3086 (C)	N-103	tR	56(34)	72-89	79	112-130	121	89-106	97	20	Ey	A	SH-H	36-45	41
34	HD2967 (C)	N-105	-	23(13)	83-99	90	124-138	132	70-108	95	0	Ey	A	SH-H	31-43	38
35	K1006 (C)	N-134	-	46(35)	71-89	82	114-130	123	91-111	102	30	Ey	A	SH-H	35-44	40
36	DBW88 (C)	N-136	-	46(34)	73-90	82	120-134	125	83-103	92	0	Ey-M	A	SH-H	30-47	40

1. Ancillary data from Coochbehar, Faizabad, Kalyani, Kanpur, Manikchak, Ranchi, Sabour and Varanasi.
2. Brown rust data from Sabour centre.
3. Lodging data from Kalyani.
4. Leaf blight data from Coochbehar, Faizabad, Kalyani and Sabour

**NIVT-1A-IR-TS-TAS, 2018-19**

**North Western Plains Zone**

**Individual Station Rust Data**

SN	Variety	Code	New Delhi	Jammu	Ludhiana	Hisar		Karnal		Gurdaspur		Pantnagar		
			YI	YI	YI	Br	YI	Br	YI	Br	YI	Br	YI	Br
1	NW7060	N-101	10S	20S	5MR	0.0	tMS	0.0	5S	5S	5MS	0.0	0	0.0
2	DBW282	N-102	0	5MS	tMR	0.0	0	tMS	0	5S	tMS	0.0	0	0.0
3	HD3318	N-104	0	60S	20S	0.0	tMS	5S	20S	0.0	60S	0.0	0	0.0
4	Raj4539	N-106	0	10S	10MR	0.0	0	tMS	tMR	5S	10S	0.0	0	0.0
5	NABIMG 09	N-107	0	80S	60S	0.0	0	tMS	20S	0.0	40S	0.0	0	0.0
6	HD3323	N-108	0	5S	20MS	0.0	R	0.0	tMR	0.0	tR	0.0	0	0.0
7	UP3028	N-109	0	10MS	20S	0.0	0	0.0	tMR	5S	10MS	tMS	0	0.0
8	K1801	N-110	0	5MS	40S	0.0	5MS	0.0	tMR	5S	20S	0.0	0	5S
9	WH1256	N-111	0	5S	tMR	0.0	0	0.0	0	0.0	tR	0.0	0	0.0
10	HUW 833	N-112	10MS	40S	10S	0.0	0	5MS	tMR	0.0	tMS	0.0	0	0.0
11	UP3026	N-113	0	20MS	5S	0.0	0	0.0	0	5S	10S	0.0	0	0.0
12	WH1257	N-114	0	60S	5S	0.0	0	0.0	5MR	5S	5MS	tR	0	0.0
13	HD3319	N-115	0	5S	0S	0.0	0	0.0	0	0.0	5S	0.0	0	0.0
14	HD3320	N-116	0	20S	10MS	0.0	0	0.0	tMR	20S	10S	5S	0	20S
15	DBW281	N-117	0	20S	5MR	0.0	0	10S	tMR	30S	10S	10S	0	5s
16	HD3322	N-118	0	5MS	5MS	0.0	R	0.0	tMS	5MS	10MS	0.0	0	0.0
17	NABIMG 11	N-119	0	40S	20S	0.0	0	tMS	tMR	tS	20MS	0.0	0	0.0
18	DBW284	N-120	0	10S	20MS	0.0	R	0.0	0	0.0	5S	0.0	0	0.0
19	Raj4537	N-121	0	10S	20S	0.0	tMS	0.0	5MR	0.0	tMS	0.0	0	0.0
20	PBW803	N-122	0	20S	tMS	0.0	0	0.0	tMR	0.0	5MS	0.0	0	0.0
21	UP3025	N-123	0	5MS	5MS	0.0	0	5MS	0	20S	tR	10MS	0	0.0
22	HD3321	N-124	0	10MS	tMR	0.0	0	0.0	0	0.0	10MS	0.0	0	0.0
23	WH1255	N-125	0	20S	5MR	0.0	tMS	0.0	5MS	0.0	20S	0.0	0	0.0
24	DBW283	N-126	0	tMS	0S	0.0	0	0.0	0	0.0	tR	0.0	0	0.0
25	NABIMG 10	N-127	0	40S	tMS	0.0	tMR	0.0	0	5MR	tMS	0.0	0	0.0
26	PBW805	N-128	0	60S	5S	0.0	0	5S	5MS	20S	20S	tMS	0	5S
27	NW7067	N-129	0	40S	10S	0.0	0	0.0	tMR	10S	10S	0.0	0	0.0
28	UP3027	N-130	0	60S	10MS	0.0	R	0.0	5MR	0.0	20S	0.0	0	0.0
29	PBW802	N-131	0	tMS	tMR	0.0	0	tMS	tMR	10S	tR	5MS	0	10s
30	WH1258	N-132	0	5S	5MS	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31	PBW804	N-133	0	20S	5MR	0.0	0	0.0	10S	tS	5S	0.0	0	0.0
32	Raj4538	N-135	0	10MS	20MS	0.0	tMR	tMS	tMR	5MR	5S	tR	0	0.0
33	HD3086 (C)	N-103	0	40S	0	5S	tS	10S	tMS	0.0	10MS	0.0	0	0.0
34	HD2967 (C)	N-105	0	40S	60S	0.0	10S	tS	30S	5S	40S	0.0	10S	0.0
35	K1006 (C)	N-134	0	10MS	60S	0.0	5S	tMS	15S	15S	20S	0.0	0	0.0
36	DBW88 (C)	N-136	0	60S	60S	0.0	tMS	tMS	15S	tR	10S	0.0	0	0.0

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**North Eastern Plains Zone**  
**Individual Station Leaf Blight Data**

SN	Variety	Code	Coochbehar	Faizabad	Kalyani	Sabour
1	NW7060	N-101	35	12	01	24
2	DBW282	N-102	35	12	12	57
3	HD3318	N-104	45	24	12	46
4	Raj4539	N-106	45	46	23	59
5	NABIMG 09	N-107	23	12	23	46
6	HD3323	N-108	56	12	12	68
7	UP3028	N-109	56	45	23	68
8	K1801	N-110	35	12	12	35
9	WH1256	N-111	45	12	12	68
10	HUW 833	N-112	34	23	12	46
11	UP3026	N-113	35	24	01	57
12	WH1257	N-114	45	24	01	25
13	HD3319	N-115	56	12	12	57
14	HD3320	N-116	45	36	23	46
15	DBW281	N-117	34	35	12	57
16	HD3322	N-118	45	24	01	03
17	NABIMG 11	N-119	35	12	12	68
18	DBW284	N-120	35	12	01	68
19	Raj4537	N-121	35	12	12	46
20	PBW803	N-122	67	24	12	57
21	UP3025	N-123	35	24	12	68
22	HD3321	N-124	23	46	12	35
23	WH1255	N-125	35	35	12	68
24	DBW283	N-126	23	12	01	03
25	NABIMG 10	N-127	35	12	12	41
26	PBW805	N-128	45	24	12	46
27	NW7067	N-129	35	24	23	35
28	UP3027	N-130	35	24	12	52
29	PBW802	N-131	57	23	01	68
30	WH1258	N-132	46	12	01	23
31	PBW804	N-133	56	46	12	35
32	Raj4538	N-135	56	12	01	67
33	HD3086 (C)	N-103	56	23	12	35
34	HD2967 (C)	N-105	23	12	12	13
35	K1006 (C)	N-134	46	24	23	46
36	DBW88 (C)	N-136	35	12	23	46