

1802-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2018-19

LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	NWPZ																	
			Delhi			Punjab			HARYANA			Uttarakhand								
			Delhi			Ludhiana			Hisar			Pantnagar								
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G						
1	HD 3326	N-202	61.9	12	0	66.4	16	0	71.4	7	0	70.4	2	1	72.4	15	0	57.3	10	0
2	HUW 834	N-203	61.2	13	0	63.5	20	0	53.8	26	0	69.7	3	1	76.5	11	1	56.4	14	0
3	K 1803	N-204	59.1	20	0	69.5	12	1	76.0	2	1	57.9	25	0	81.4	7	1	53.6	19	0
4	DBW 286	N-205	64.8	7	0	69.5	13	1	62.9	17	0	61.5	16	0	76.8	10	1	60.4	4	1
5	DBW 287	N-206	66.3	5	1	74.8	1	1	47.9	32	0	70.8	1	1	78.0	9	1	64.1	1	1
6	UP 3029	N-207	55.7	30	0	73.8	4	1	66.7	12	0	57.6	26	0	87.1	2	1	52.9	20	0
7	Raj 4540	N-208	34.1	35	0	58.7	22	0	59.4	21	0	49.8	33	0	82.7	5	1	37.1	35	0
8	NW 7064	N-210	54.5	31	0	69.8	11	1	52.4	28	0	62.6	11	0	67.7	26	0	54.8	17	0
9	UP 3031	N-211	59.2	19	0	69.5	14	1	62.5	18	0	60.9	18	0	89.7	1	1	58.9	7	0
10	PBW 807	N-212	63.2	9	0	71.8	8	1	72.9	4	0	62.7	10	0	74.7	12	1	51.0	25	0
11	BRW 3829	N-213	24.2	36	0	43.0	34	0	46.9	35	0	25.3	36	0	45.4	36	0	35.3	36	0
12	NWS 2106	N-214	62.6	10	0	72.1	7	1	71.9	6	0	60.2	21	0	72.6	14	1	51.2	24	0
13	WH 1259	N-215	74.5	1	1	72.2	6	1	66.5	14	0	62.5	12	0	72.1	17	0	52.6	22	0
14	HUW 835	N-216	70.8	2	1	65.1	17	0	57.8	23	0	62.9	9	0	81.6	6	1	52.7	21	0
15	Raj 4541	N-217	60.9	15	0	58.2	25	0	47.9	32	0	50.5	32	0	65.6	28	0	47.9	30	0
16	PBW 808	N-218	60.5	17	0	69.2	15	1	71.0	8	0	64.3	7	0	71.8	18	0	50.9	26	0
17	DBW 305	N-219	68.2	4	1	52.9	30	0	66.6	13	0	47.7	35	0	79.6	8	1	47.5	31	0
18	HD 3327	N-220	57.6	24	0	57.9	26	0	69.1	11	0	58.4	24	0	69.1	24	0	56.8	12	0
19	BRW 3838	N-221	41.8	34	0	48.5	33	0	47.9	32	0	49.2	34	0	62.5	34	0	42.3	33	0
20	HD 3328	N-222	56.9	25	0	65.0	18	0	64.5	16	0	56.5	28	0	69.4	23	0	49.5	28	0
21	NW 7057	N-223	64.8	6	0	71.4	9	1	50.8	29	0	61.9	13	0	86.2	3	1	59.3	6	0
22	DBW 288	N-224	63.2	8	0	74.0	3	1	72.9	4	0	63.0	8	0	84.3	4	1	49.3	29	0
23	NW 7075	N-226	56.0	29	0	57.6	27	0	58.5	22	0	67.5	4	1	65.2	30	0	60.7	3	1
24	K 1804	N-228	56.7	27	0	52.4	31	0	64.8	15	0	60.4	19	0	64.3	31	0	39.7	34	0
25	WH 1260	N-229	58.1	22	0	55.2	28	0	49.2	30	0	55.3	30	0	66.6	27	0	56.6	13	0
26	HD 3325	N-230	68.5	3	1	58.5	24	0	55.9	25	0	59.4	23	0	69.5	22	0	57.8	9	0
27	UP 3030	N-231	58.7	21	0	53.2	29	0	69.8	9	0	61.9	13	0	63.7	32	0	50.6	27	0
28	DBW 285	N-232	58.1	23	0	64.6	19	0	48.2	31	0	59.6	22	0	65.3	29	0	55.6	16	0
29	K 1805	N-233	52.9	32	0	58.5	23	0	56.3	24	0	55.7	29	0	72.3	16	0	54.1	18	0
30	HD 3324	N-234	56.6	28	0	72.4	5	1	69.8	9	0	61.1	17	0	70.2	21	0	59.5	5	0
31	KRL 429	N-235	60.5	16	0	60.2	21	0	53.1	27	0	61.5	15	0	71.5	19	0	57.2	11	0
32	KRL 423	N-236	59.4	18	0	71.3	10	1	73.2	3	1	64.6	6	0	70.5	20	0	55.8	15	0
33	HD 2967 (C)	N-201	56.8	26	0	41.8	36	0	44.8	36	0	60.4	19	0	63.6	33	0	57.8	8	0
34	DBW 88 (C)	N-209	62.1	11	0	51.8	32	0	61.5	19	0	57.2	27	0	68.3	25	0	52.0	23	0
35	HD 3086 (C)	N-225	60.9	14	0	74.7	2	1	81.8	1	1	66.7	5	1	72.7	13	1	62.2	2	1
36	K 1006 (C)	N-227	49.1	33	0	42.2	35	0	61.5	20	0	52.2	31	0	59.2	35	0	45.3	32	0
G.M.			58.3			62.5			61.3			59.2			72.0			53.0		
S.E.(M)			3.623			3.361			3.682			1.916			7.085			1.637		
C.D. (10%)			8.8			8.1			8.8			4.6			17.1			4.0		
C.V.			8.8			7.6			8.5			4.6			13.9			4.4		
D.O.S.(dd.mm.yy)			15.11.18			10.11.18			11.11.18			05.11.18			01.11.18			14.11.18		

No. of Trials : Proposed = 18 Conducted = 18

Trials not reported (01) = Shillongani (LSM, HCV)

1802-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2018-19

LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	NWPZ			NEPZ														
			Rajasthan			U.P.				Bihar										
			Durgapura			Kanpur		Faizabad		Varanasi		IARI-Pusa		Sabour						
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	HD 3326	N-202	83.7	2	1	52.3	21	0	61.2	6	0	48.4	4	1	47.4	21	1	51.5	5	0
2	HUW 834	N-203	63.5	18	0	48.7	30	0	47.4	28	0	43.9	17	0	51.3	9	1	57.7	1	1
3	K 1803	N-204	62.4	21	0	61.7	1	1	41.7	36	0	40.0	27	0	49.0	13	1	40.0	26	0
4	DBW 286	N-205	61.7	25	0	58.9	5	1	59.6	14	0	42.4	20	0	56.4	1	1	49.4	10	0
5	DBW 287	N-206	67.7	12	0	52.1	22	0	58.3	16	0	50.9	1	1	48.0	17	1	37.6	30	0
6	UP 3029	N-207	57.7	31	0	47.1	32	0	58.6	15	0	37.8	29	0	52.8	6	1	45.8	12	0
7	Raj 4540	N-208	63.5	19	0	58.1	7	1	57.8	17	0	41.9	22	0	41.5	32	0	32.8	36	0
8	NW 7064	N-210	72.2	8	0	52.1	22	0	54.2	23	0	44.9	12	0	39.9	34	0	39.1	28	0
9	UP 3031	N-211	59.7	28	0	50.3	27	0	47.1	31	0	42.3	21	0	52.1	7	1	43.5	17	0
10	PBW 807	N-212	77.6	4	0	59.1	4	1	52.9	25	0	41.2	24	0	47.6	19	1	44.3	15	0
11	BRW 3829	N-213	58.6	30	0	41.4	36	0	53.1	24	0	34.8	34	0	45.9	27	0	40.7	23	0
12	NWS 2106	N-214	66.3	15	0	59.9	3	1	60.4	10	0	46.1	6	0	46.9	23	0	43.8	16	0
13	WH 1259	N-215	85.4	1	1	56.5	13	1	62.5	3	0	45.0	11	0	46.5	25	0	45.6	13	0
14	HUW 835	N-216	81.0	3	1	51.3	26	0	54.4	22	0	29.5	36	0	43.2	29	0	52.0	3	0
15	Raj 4541	N-217	69.1	9	0	54.7	16	0	47.4	28	0	47.4	5	1	53.9	3	1	40.7	22	0
16	PBW 808	N-218	61.8	24	0	57.0	11	1	55.5	21	0	40.5	25	0	47.6	18	1	51.4	6	0
17	DBW 305	N-219	62.0	22	0	53.4	18	0	46.1	32	0	44.6	14	0	33.7	36	0	42.7	20	0
18	HD 3327	N-220	76.4	6	0	55.2	14	0	55.7	19	0	39.6	28	0	43.1	30	0	34.5	35	0
19	BRW 3838	N-221	59.1	29	0	46.4	33	0	59.9	12	0	45.4	10	0	43.6	28	0	34.9	34	0
20	HD 3328	N-222	53.9	35	0	53.1	19	0	57.0	18	0	43.2	18	0	51.4	8	1	42.7	19	0
21	NW 7057	N-223	54.7	33	0	61.7	1	1	61.2	6	0	45.7	8	0	49.6	12	1	36.2	32	0
22	DBW 288	N-224	54.3	34	0	50.3	27	0	63.8	2	1	49.4	3	1	42.0	31	0	47.7	11	0
23	NW 7075	N-226	69.1	10	0	58.6	6	1	70.8	1	1	41.5	23	0	48.7	14	1	49.7	9	0
24	K 1804	N-228	62.0	23	0	56.8	12	1	61.7	5	0	45.6	9	0	37.0	35	0	44.3	14	0
25	WH 1260	N-229	59.9	27	0	57.3	9	1	48.7	27	0	50.6	2	1	48.7	15	1	38.9	29	0
26	HD 3325	N-230	63.8	17	0	55.2	14	0	60.4	10	0	35.5	33	0	46.1	26	0	36.9	31	0
27	UP 3030	N-231	67.6	13	0	52.6	20	0	47.4	28	0	44.3	15	0	50.9	10	1	40.6	25	0
28	DBW 285	N-232	61.3	26	0	45.1	35	0	60.7	9	0	35.8	32	0	48.5	16	1	51.7	4	0
29	K 1805	N-233	65.7	16	0	58.1	7	1	44.5	34	0	44.1	16	0	46.9	22	0	39.2	27	0
30	HD 3324	N-234	63.4	20	0	49.2	29	0	51.6	26	0	40.0	26	0	47.5	20	1	43.0	18	0
31	KRL 429	N-235	73.2	7	0	54.7	16	0	59.9	12	0	46.1	7	0	54.3	2	1	35.6	33	0
32	KRL 423	N-236	68.6	11	0	51.8	24	0	55.7	19	0	36.6	31	0	46.8	24	0	50.8	8	0
33	HD 2967 (C)	N-201	50.6	36	0	57.3	9	1	62.0	4	0	42.6	19	0	53.3	4	1	40.6	24	0
34	DBW 88 (C)	N-209	57.0	32	0	51.6	25	0	45.8	33	0	44.6	13	0	50.1	11	1	41.9	21	0
35	HD 3086 (C)	N-225	77.2	5	0	45.8	34	0	60.9	8	0	37.3	30	0	41.0	33	0	55.9	2	1
36	K 1006 (C)	N-227	66.7	14	0	48.7	30	0	44.5	34	0	33.7	35	0	52.9	5	1	50.9	7	0
G.M.			65.5			53.4			55.3			42.3			47.4			43.7		
S.E.(M)			2.836			2.453			3.153			1.537			3.965			1.887		
C.D. (10%)			6.8			5.9			7.5			3.7			9.5			4.6		
C.V.			6.1			6.5			8.1			5.1			11.8			6.1		
D.O.S.(dd.mm.yy)			14.11.18		25.11.18		23.11.18		22.11.18		25.11.18		24.11.18							

1802-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2018-19
LOCATIONWISE MEAN YIELD (q/ha)

S.N.	Variety	Code	NEPZ														
			Bihar			Jharkhand			W.B.								
			RPCAU-Pusa			Ranchi			Kalyani			Burdwan			Coochbehar		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	HD 3326	N-202	46.9	32	0	64.2	3	1	39.3	18	0	37.1	29	0	51.6	6	1
2	HUW 834	N-203	60.4	14	0	57.2	22	1	36.6	29	0	44.8	25	0	51.4	7	1
3	K 1803	N-204	58.3	21	0	61.0	11	1	35.7	31	0	51.1	17	0	41.9	28	0
4	DBW 286	N-205	62.5	7	1	58.9	16	1	39.6	17	0	47.2	23	0	37.9	32	0
5	DBW 287	N-206	45.3	35	0	53.5	28	0	39.0	23	0	58.1	4	1	51.1	10	1
6	UP 3029	N-207	64.1	3	1	52.3	30	0	42.2	12	0	35.4	31	0	31.8	36	0
7	Raj 4540	N-208	53.6	27	0	62.4	5	1	37.7	27	0	44.4	27	0	43.5	25	0
8	NW 7064	N-210	58.9	18	0	44.1	36	0	42.8	11	0	32.4	33	0	39.1	31	0
9	UP 3031	N-211	46.9	32	0	61.2	9	1	39.1	20	0	25.6	34	0	46.7	20	0
10	PBW 807	N-212	62.0	9	0	61.3	8	1	45.0	6	0	33.4	32	0	48.5	15	1
11	BRW 3829	N-213	45.8	34	0	48.6	33	0	47.2	3	0	22.2	36	0	37.7	33	0
12	NWS 2106	N-214	58.4	20	0	59.9	15	1	39.1	20	0	53.8	12	1	51.2	8	1
13	WH 1259	N-215	63.0	6	1	65.7	1	1	29.2	35	0	44.7	26	0	48.6	14	1
14	HUW 835	N-216	56.3	25	0	57.7	21	1	46.8	4	0	52.6	14	0	47.4	18	0
15	Raj 4541	N-217	60.4	14	0	58.7	17	1	55.6	1	1	22.5	35	0	42.7	26	0
16	PBW 808	N-218	63.5	5	1	52.3	29	0	37.5	28	0	58.1	4	1	42.4	27	0
17	DBW 305	N-219	62.5	7	1	56.9	23	1	42.9	10	0	58.6	3	1	51.1	9	1
18	HD 3327	N-220	53.6	27	0	50.9	31	0	31.7	34	0	48.6	21	0	41.0	29	0
19	BRW 3838	N-221	51.0	29	0	45.5	34	0	50.5	2	0	60.7	1	1	52.2	5	1
20	HD 3328	N-222	58.9	18	0	54.1	26	0	40.7	15	0	54.2	11	1	45.7	22	0
21	NW 7057	N-223	56.3	25	0	60.8	13	1	42.0	13	0	56.1	8	1	47.5	17	0
22	DBW 288	N-224	62.0	9	0	58.1	20	1	38.3	25	0	54.8	10	1	46.8	19	0
23	NW 7075	N-226	51.0	29	0	61.1	10	1	38.0	26	0	52.7	13	0	56.6	3	1
24	K 1804	N-228	42.7	36	0	45.1	35	0	36.1	30	0	49.2	20	0	35.1	34	0
25	WH 1260	N-229	57.8	22	0	58.6	18	1	46.6	5	0	56.0	9	1	49.4	12	1
26	HD 3325	N-230	59.4	16	0	49.4	32	0	38.4	24	0	50.3	18	0	45.5	24	0
27	UP 3030	N-231	49.0	31	0	58.1	19	1	34.0	33	0	48.3	22	0	39.6	30	0
28	DBW 285	N-232	56.8	24	0	61.6	7	1	39.2	19	0	58.8	2	1	58.8	1	1
29	K 1805	N-233	61.5	11	0	61.8	6	1	43.2	9	0	45.4	24	0	50.4	11	1
30	HD 3324	N-234	65.1	2	1	60.7	14	1	39.1	20	0	35.6	30	0	47.8	16	0
31	KRL 429	N-235	59.4	16	0	55.8	24	0	28.6	36	0	58.0	6	1	34.3	35	0
32	KRL 423	N-236	64.1	3	1	54.0	27	0	41.5	14	0	49.6	19	0	46.5	21	0
33	HD 2967 (C)	N-201	66.3	1	1	54.1	25	0	35.0	32	0	38.5	28	0	45.6	23	0
34	DBW 88 (C)	N-209	61.5	11	0	64.4	2	1	39.8	16	0	51.3	16	0	57.1	2	1
35	HD 3086 (C)	N-225	60.9	13	0	61.0	12	1	44.5	8	0	57.2	7	1	48.7	13	1
36	K 1006 (C)	N-227	57.3	23	0	62.6	4	1	44.8	7	0	52.6	14	0	52.5	4	1
G.M.			57.3			57.0			40.2			47.2			46.3		
S.E.(M)			1.614			3.663			1.384			2.936			4.257		
C.D. (10%)			3.9			8.8			3.3			7.0			10.3		
C.V.			4.0			9.1			4.9			8.8			13.0		
D.O.S.(dd.mm.yy)			20.11.18			16.11.18			19.11.18			22.11.18			22.11.18		

1802-NIVT-1B-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	HD 3326	N-202	69.1	3	1	50.0	14	0	57.8	3	1
2	HUW 834	N-203	63.5	18	0	49.9	15	0	55.5	14	0
3	K 1803	N-204	65.7	10	0	48.1	26	0	55.3	15	0
4	DBW 286	N-205	65.4	11	0	51.3	7	1	57.1	6	0
5	DBW 287	N-206	67.1	6	0	49.4	20	0	56.7	9	0
6	UP 3029	N-207	64.5	14	0	46.8	30	0	54.1	19	0
7	Raj 4540	N-208	55.0	32	0	47.4	29	0	50.5	33	0
8	NW 7064	N-210	62.0	21	0	44.7	35	0	51.9	30	0
9	UP 3031	N-211	65.8	9	0	45.5	32	0	53.8	23	0
10	PBW 807	N-212	67.7	4	1	49.5	18	0	57.0	7	0
11	BRW 3829	N-213	39.8	36	0	41.7	36	0	40.9	36	0
12	NWS 2106	N-214	65.3	12	0	51.9	2	1	57.4	4	0
13	WH 1259	N-215	69.4	2	1	50.7	10	0	58.4	2	1
14	HUW 835	N-216	67.4	5	0	49.1	22	0	56.7	11	0
15	Raj 4541	N-217	57.2	31	0	48.4	25	0	52.0	29	0
16	PBW 808	N-218	64.2	15	0	50.6	11	0	56.2	13	0
17	DBW 305	N-219	60.6	24	0	49.3	21	0	53.9	21	0
18	HD 3327	N-220	63.6	17	0	45.4	33	0	52.9	27	0
19	BRW 3838	N-221	50.2	35	0	49.0	23	0	49.5	35	0
20	HD 3328	N-222	59.4	25	0	50.1	12	0	53.9	22	0
21	NW 7057	N-223	64.2	16	0	51.7	3	1	56.8	8	0
22	DBW 288	N-224	65.9	8	0	51.3	6	1	57.3	5	0
23	NW 7075	N-226	62.1	20	0	52.9	1	1	56.7	10	0
24	K 1804	N-228	57.2	30	0	45.4	34	0	50.2	34	0
25	WH 1260	N-229	57.3	29	0	51.3	8	1	53.7	24	0
26	HD 3325	N-230	61.9	22	0	47.7	28	0	53.6	25	0
27	UP 3030	N-231	60.8	23	0	46.5	31	0	52.4	28	0
28	DBW 285	N-232	58.9	27	0	51.7	4	1	54.7	17	0
29	K 1805	N-233	59.4	26	0	49.5	19	0	53.6	26	0
30	HD 3324	N-234	64.7	13	0	48.0	27	0	54.9	16	0
31	KRL 429	N-235	62.5	19	0	48.7	24	0	54.3	18	0
32	KRL 423	N-236	66.2	7	0	49.7	16	0	56.5	12	0
33	HD 2967 (C)	N-201	53.7	34	0	49.5	17	0	51.2	32	0
34	DBW 88 (C)	N-209	58.5	28	0	50.8	9	1	54.0	20	0
35	HD 3086 (C)	N-225	70.9	1	1	51.3	5	1	59.4	1	1
36	K 1006 (C)	N-227	53.7	33	0	50.1	13	0	51.6	31	0
G.M.			61.7			49.0			54.2		
S.E.(M)			1.447			0.907			0.800		
C.D. (10%)			3.4			2.1			1.9		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-1B-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	HD3326	N-202	10MS	3.2	tS	0.3	90-112	102	138-162	151	99-117	107	0	Ey	A	SH-H	38-46	41
2	HUW834	N-203	20S	6.0	15MS	3.1	91-113	104	143-165	153	100-120	111	5	Ey	A	SH-H	35-42	39
3	K1803	N-204	20S	5.9	5R	0.3	92-114	107	143-166	154	100-127	116	0	Ey	A	H	36-54	45
4	DBW286	N-205	5MR	0.5	MR	0.5	92-117	105	141-163	152	102-124	114	5	Ey	A	SH-H	34-46	42
5	DBW287	N-206	10S	2.5	tMS	0.3	91-114	101	141-161	152	101-125	112	5	Ey	A	SH-H	37-49	43
6	UP3029	N-207	5S	0.9	10S	2.7	81-112	97	140-160	150	96-115	105	0	Ey	A	SH-H	40-55	47
7	Raj4540	N-208	tMR	0.2	0	-	92-111	102	138-159	150	100-119	109	15	Ey	A	SH-H	31-52	41
8	NW7064	N-210	tMS	0.2	tMR	0.1	89-109	100	140-180	154	100-125	111	5	Ey	A	H	34-49	40
9	UP3031	N-211	5S	1.7	20S	5.0	88-112	100	142-160	151	108-125	115	7	Ey	A	SH-H	35-44	39
10	PBW807	N-212	20MS	3.7	5S	1.5	82-112	93	138-161	150	100-110	107	0	Ey	A	SH-H	38-48	42
11	BRW3829	N-213	60S	18.2	5S	1.4	80-111	97	143-161	151	110-162	137	40	Ey	A	H	37-49	44
12	NWS2106	N-214	20MS	5.1	10S	3.8	87-111	99	140-161	150	104-127	117	5	Ey	A	SH-H	39-52	46
13	WH1259	N-215	10S	2.6	10S	2.5	93-115	105	142-162	152	101-123	111	0	Ey	A	SH-H	38-50	45
14	HUW835	N-216	20S	9.0	5S	1.5	87-111	100	139-162	152	105-125	114	10	Ey	A	SH-H	35-48	40
15	Raj4541	N-217	20MS	3.0	0	-	86-110	98	138-160	150	98-115	106	25	Ey	A	H	38-44	41
16	PBW808	N-218	10S	2.9	tMR	0.1	82-107	96	138-159	149	103-125	113	15	Ey	A	SH-H	41-48	44
17	DBW305	N-219	40S	10.2	10S	2.5	86-108	98	138-160	149	97-109	103	0	Ey	A	H	37-49	41
18	HD3327	N-220	5S	0.9	5MS	1.0	92-115	103	142-159	151	107-124	111	0	Ey	A	SH-H	38-44	41
19	BRW3838	N-221	40S	8.1	10S	3.0	87-112	103	140-161	151	104-125	114	20	Ey	A	H	34-46	39
20	HD3328	N-222	20S	6.6	0	-	95-119	108	145-168	154	100-140	117	0	Ey	A	H	31-42	38
21	NW7057	N-223	5S	1.0	0	-	91-112	100	138-163	150	100-121	111	5	Ey	A	H	34-47	40
22	DBW288	N-224	5S	2.2	0	-	90-113	102	143-159	151	98-115	106	0	Ey	A	SH-H	40-55	50
23	NW7075	N-226	40S	13.3	20MS	6.5	87-112	102	142-160	151	101-124	112	0	Ey	A	H	39-49	42
24	K1804	N-228	60S	18.0	20S	11.3	80-103	89	135-159	147	86-132	101	10	Ey	A	SH-H	29-39	36
25	WH1260	N-229	5S	1.8	5S	1.5	91-115	103	140-161	151	95-128	109	15	Ey	A	H	32-44	38
26	HD3325	N-230	15S	6.4	10S	3.8	89-115	102	142-161	151	98-121	108	0	Ey	A	H	33-48	41
27	UP3030	N-231	20S	6.0	0	-	82-107	92	138-162	150	96-112	104	0	Ey	A	H	33-45	38
28	DBW285	N-232	20S	4.2	5S	1.8	92-115	107	142-166	154	103-127	115	15	Ey	A	H	33-45	40
29	K1805	N-233	5MS	1.1	0	-	97-118	108	145-168	154	106-129	118	5	Ey	A	SH-H	35-45	39
30	HD3324	N-234	10MS	1.9	5MR	0.6	92-117	106	140-163	153	100-127	114	0	Ey	A	SH-H	34-45	41
31	KRL429	N-235	40S	9.5	5MS	1.0	92-118	106	143-167	154	100-127	112	5	Ey	A	H	34-44	39
32	KRL423	N-236	5S	1.2	5R	0.5	87-115	103	150-161	143	101-123	112	0	Ey	A	SH-H	40-48	45
33	HD2967 (C)	N-201	60S	29.2	tS	0.5	95-117	109	145-165	155	98-123	109	5	Ey	A	SH-H	22-49	39
34	DBW88 (C)	N-209	40S	14.1	5MS	1.0	88-115	101	145-163	152	102-120	109	0	Ey	A	H	34-43	39
35	HD3086 (C)	N-225	10S	2.2	5S	1.3	87-112	97	140-160	150	104-119	110	0	Ey	A	H	36-46	42
36	K1006 (C)	N-227	40S	15.5	10S	2.7	87-112	102	142-160	151	100-123	108	10	Ey	A	H	28-47	37

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

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: NIVT-1B-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	HD3326	N-202	0	46(24)	72-91	81	112-133	125	90-106	97	0	Ey	A	SH-H	34-50	43
2	HUW834	N-203	0	24(13)	75-92	83	115-133	126	81-103	95	0	Ey-M	A	SH-H	32-47	41
3	K1803	N-204	0	25(23)	76-95	85	111-138	126	92-111	101	0	Ey-M	A	H	32-52	44
4	DBW286	N-205	0	46(34)	76-94	84	114-133	124	82-111	98	40	Ey-M	A	SH-H	32-52	43
5	DBW287	N-206	0	46(35)	74-91	82	114-138	124	79-112	96	25	Ey-M	A	SH-H	32-49	44
6	UP3029	N-207	tR	46(24)	68-86	78	111-131	123	84-111	97	35	Ey-M	A	SH-H	33-67	47
7	Raj4540	N-208	0	68(35)	76-90	83	114-129	123	88-108	95	35	Ey-M	A	SH-H	26-51	41
8	NW7064	N-210	0	68(34)	69-90	82	111-132	123	92-107	99	0	Ey	A	H	30-51	40
9	UP3031	N-211	10S	68(24)	71-89	80	114-131	124	91-111	102	25	Ey-M	A	SH-H	30-46	40
10	PBW807	N-212	0	35(23)	65-84	75	112-127	122	87-105	94	5	M	A	SH-H	35-49	42
11	BRW3829	N-213	0	57(35)	67-89	77	114-130	124	92-151	124	55	Ey-M	A	H	34-52	45
12	NWS2106	N-214	0	46(35)	71-91	80	112-132	123	90-112	100	0	Ey-M	A	SH-H	34-55	45
13	WH1259	N-215	0	56(34)	76-94	84	112-132	125	87-102	96	0	Ey-M	A	SH-H	34-51	44
14	HUW835	N-216	0	36(24)	76-90	82	115-130	124	85-102	97	8	Ey-M	A	SH-H	34-51	43
15	Raj4541	N-217	0	68(35)	70-88	80	113-132	122	83-105	95	30	Ey-M	A	H	34-47	40
16	PBW808	N-218	0	68(34)	71-85	77	108-138	122	90-105	99	30	Ey-M	A	SH-H	32-48	44
17	DBW305	N-219	0	57(23)	75-90	82	116-134	125	89-96	92	0	Ey-M	A	H	34-51	42
18	HD3327	N-220	0	46(34)	72-93	82	113-137	125	91-108	101	5	Ey-M	A	SH-H	34-54	42
19	BRW3838	N-221	0	57(24)	75-91	82	115-134	125	84-113	102	5	Ey-M	A	H	35-48	42
20	HD3328	N-222	0	35(24)	76-95	86	116-139	127	88-107	97	0	Ey-M	A	H	34-43	39
21	NW7057	N-223	0	34(24)	75-90	82	110-132	121	91-108	98	10	Ey	A	H	32-48	39
22	DBW288	N-224	0	34(24)	74-91	81	112-132	124	87-101	94	10	Ey-M	A	SH-H	36-58	49
23	NW7075	N-226	0	46(24)	76-91	83	114-132	124	92-111	100	0	Ey	A	H	32-57	44
24	K1804	N-228	0	68(35)	62-92	74	97-128	118	80-105	88	25	Ey-M	A	SH-H	32-41	37
25	WH1260	N-229	0	45(24)	75-94	83	110-132	123	86-115	96	0	Ey-M	A	H	32-51	42
26	HD3325	N-230	0	46(24)	76-95	85	116-137	126	87-102	95	0	Ey-M	A	H	34-51	44
27	UP3030	N-231	0	57(34)	65-83	76	109-129	122	80-113	92	15	Ey-M	A	H	32-51	41
28	DBW285	N-232	0	36(23)	77-94	87	114-138	128	91-112	100	0	Ey-M	A	H	33-45	39
29	K1805	N-233	tR	45(24)	81-96	88	114-138	129	87-110	100	5	Ey-M	A	SH-H	34-45	39
30	HD3324	N-234	0	68(24)	75-93	85	116-135	126	87-117	100	15	Ey-M	A	SH-H	34-48	41
31	KRL429	N-235	0	46(24)	75-93	86	116-137	130	92-112	100	0	Ey-M	A	H	34-51	43
32	KRL423	N-236	0	57(34)	75-91	83	114-131	124	92-109	99	5	Ey-M	A	SH-H	35-53	44
33	HD2967 (C)	N-201	tR	35(23)	75-99	89	115-139	130	83-107	98	0	Ey-M	A	SH-H	30-49	39
34	DBW88 (C)	N-209	0	68(24)	74-91	82	112-134	125	88-101	94	10	Ey-M	A	H	32-49	40
35	HD3086 (C)	N-225	10S	56(34)	70-89	79	114-133	122	90-103	96	15	Ey-M	A	H	34-48	42
36	K1006 (C)	N-227	5S	46(25)	70-91	81	114-133	124	90-116	99	0	Ey-M	A	H	34-47	40

1. Ancillary data from Burdwan, Coochbehar, Faizabad, IARI-Pusa, RPCAU, Pusa, Kalyani, Kanpur, Ranchi, Sabour, Shillongani and Varanasi.
2. Brown rust data from Sabour centre.
3. Leaf blight data from Burdwan, Coochbehar, Faizabad, Kalyani, Sabour and Shillongani.

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North Western Plains Zone

Individual Station Rust Data

SN	Variety	Code	Delhi	Ludhiana	Hisar		Karnal		Gurdaspur		Pantnagar	
			YI	YI	YI	Br	YI	Br	YI	Br	YI	Br
1	HD3326	N-202	5S	10MS	tMS	0	tMR	tS	5S	0	0	0
2	HUW834	N-203	0	20MS	0	tMR	0	15MS	20S	0	0	0
3	K1803	N-204	5S	20S	0	0	tMR	5R	10S	0	0	0
4	DBW286	N-205	0	5MR	0	0	0	5MR	tMS	0	0	0
5	DBW287	N-206	10S	5S	0	tMS	0	tMR	tR	0	0	0
6	UP3029	N-207	0	5S	0	tMS	0	10S	tR	0	0	0
7	Raj4540	N-208	0	tMR	0	0	tMR	0	tR	0	0	0
8	NW7064	N-210	0	tMS	0	0	0	tMR	tR	0	0	0
9	UP3031	N-211	0	5MS	5S	0	tMR	20S	tMS	0	0	0
10	PBW807	N-212	3MR	5S	0	tMS	0	0	20MS	0	0	5S
11	BRW3829	N-213	8S	60S	tMS	tMR	tMR	5S	40S	0	0	0
12	NWS2106	N-214	5S	20MS	0	5S	tMS	10S	10MS	tR	tS	0
13	WH1259	N-215	10S	tMR	0	0	0	10S	5S	0	0	0
14	HUW835	N-216	3S	20S	0	tMS	10S	5S	20S	0	tS	0
15	Raj4541	N-217	0	tMR	tMS	0	tS	0	20MS	0	0	0
16	PBW808	N-218	3S	tMR	0	0	5MS	tMR	10S	0	0	0
17	DBW305	N-219	5S	40S	0	0	0	10S	20MS	0	0	0
18	HD3327	N-220	0	tMR	0	5MS	0	0	5S	0	0	0
19	BRW3838	N-221	0	40S	0	5MR	tMR	10S	10MS	0	0	0
20	HD3328	N-222	3S	20MS	MR	0	tMR	0	20S	0	0	0
21	NW7057	N-223	0	tMR	tMS	0	0	0	5S	0	0	0
22	DBW288	N-224	5S	5MS	0	0	tMR	0	5MS	0	0	0
23	NW7075	N-226	8S	40S	tMS	5S	10S	20MS	20S	0	tMS	5S
24	K1804	N-228	8S	60S	0	15S	0	10S	40S	0	0	20S
25	WH1260	N-229	0	5S	0	tMS	tS	5S	5S	0	0	0
26	HD3325	N-230	3S	10S	R	0	15S	10S	10S	0	0	5S
27	UP3030	N-231	5S	20S	tMR	0	tMS	0	10S	0	0	0
28	DBW285	N-232	0	20S	0	5S	tMR	5MR	5S	0	0	0
29	K1805	N-233	0	5MS	0	0	5MR	0	tMS	0	0	0
30	HD3324	N-234	3S	0	0	tMR	tMR	5MR	10MS	0	0	0
31	KRL429	N-235	8S	40S	tMS	5MS	tMR	0	10MS	0	0	0
32	KRL423	N-236	0	5MR	0	tMS	tMR	5R	5S	0	0	0
33	HD2967 (C)	N-201	20S	60S	10S	tMS	15S	ts	60S	0	10S	0
34	DBW88 (C)	N-209	20S	40S	5MS	0	tMR	5MS	20S	0	0	0
35	HD3086 (C)	N-225	3S	tMR	0	tS	0	0	10S	0	0	5S
36	K1006 (C)	N-227	8S	40S	5S	tMS	0	10S	40S	0	0	0

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North Eastern Plains Zone
Individual Station Leaf Blight Data

SN	Variety	Code	Burdwan	Coochbehar	Faizabad	Kalyani	Sabour	Shillongani
1	HD3326	N-202	34	12	24	23	46	24
2	HUW834	N-203	23	12	12	12	24	12
3	K1803	N-204	24	23	12	12	25	12
4	DBW286	N-205	25	34	23	23	46	24
5	DBW287	N-206	45	34	24	12	46	26
6	UP3029	N-207	35	23	46	23	25	00
7	Raj4540	N-208	35	23	46	24	68	24
8	NW7064	N-210	45	23	23	12	68	00
9	UP3031	N-211	23	23	12	23	68	00
10	PBW807	N-212	24	23	12	24	35	12
11	BRW3829	N-213	34	34	12	23	57	37
12	NWS2106	N-214	34	34	25	01	46	24
13	WH1259	N-215	56	12	24	23	46	14
14	HUW835	N-216	24	12	36	24	25	13
15	Raj4541	N-217	23	35	36	23	68	35
16	PBW808	N-218	45	23	12	12	68	24
17	DBW305	N-219	34	23	12	12	57	12
18	HD3327	N-220	34	34	23	12	46	23
19	BRW3838	N-221	35	12	24	12	57	25
20	HD3328	N-222	35	12	25	12	35	00
21	NW7057	N-223	25	34	24	24	25	01
22	DBW288	N-224	34	23	24	13	03	01
23	NW7075	N-226	45	23	12	24	46	12
24	K1804	N-228	25	34	46	24	68	35
25	WH1260	N-229	24	12	45	01	23	24
26	HD3325	N-230	35	23	12	23	46	13
27	UP3030	N-231	25	34	12	12	57	46
28	DBW285	N-232	36	12	24	12	23	13
29	K1805	N-233	45	12	24	12	24	24
30	HD3324	N-234	24	12	12	24	68	01
31	KRL429	N-235	24	12	12	12	46	26
32	KRL423	N-236	25	23	12	23	57	45
33	HD2967 (C)	N-201	35	12	25	01	25	00
34	DBW88 (C)	N-209	24	23	24	12	68	12
35	HD3086 (C)	N-225	56	34	12	23	35	12
36	K1006 (C)	N-227	35	12	35	00	46	00