

1902-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2019-20

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ																	
			Delhi			Punjab			Haryana			Uttarakhand								
			Delhi			Ludhiana			Gurdaspur			Hisar			IIWBR-Karnal			Pantnagar		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	WH1274	N-201	62.9	2	1	69.9	18	1	56.3	15	0	69.6	9	1	74.8	3	1	48.4	29	0
2	JKW275	N-202	61.0	3	0	69.9	19	1	35.2	30	0	68.3	11	1	69.7	10	0	45.7	35	0
3	K1905	N-203	52.1	18	0	59.0	25	0	68.5	3	0	75.0	3	1	59.3	22	0	46.9	31	0
4	UP3055	N-204	55.7	10	0	72.7	7	1	72.5	2	0	74.6	5	1	71.7	7	0	62.6	13	0
5	NW7093	N-205	43.8	30	0	69.8	20	1	27.1	35	0	60.4	27	0	63.7	16	0	59.2	14	0
6	Raj4549	N-206	41.6	33	0	51.5	30	0	52.6	19	0	59.9	29	0	38.1	35	0	49.6	26	0
7	K1903	N-207	36.1	36	0	71.9	10	1	65.8	5	0	56.8	31	0	68.3	11	0	52.3	22	0
8	PBW830	N-208	47.4	26	0	72.3	8	1	53.9	17	0	60.0	28	0	78.7	2	1	53.3	21	0
9	PBW831	N-209	51.9	19	0	75.1	2	1	50.1	21	0	69.8	8	1	74.3	4	1	48.6	28	0
10	NW7094	N-210	49.2	24	0	74.4	4	1	37.3	27	0	60.9	25	0	66.6	13	0	67.1	6	1
11	UP3057	N-211	53.0	13	0	70.9	14	1	44.9	23	0	76.8	2	1	65.5	14	0	63.2	12	0
12	WH1283	N-212	56.8	8	0	68.4	21	1	62.2	9	0	77.6	1	1	71.6	8	0	69.4	1	1
13	Raj4550	N-213	51.3	20	0	75.0	3	1	56.8	14	0	64.2	18	0	48.1	29	0	51.0	24	0
14	DBW313	N-214	56.8	9	0	70.6	15	1	61.4	10	0	61.8	22	0	62.5	18	0	67.3	5	1
15	BRW3877	N-215	58.9	5	0	63.8	22	1	66.9	4	0	67.7	13	1	72.3	5	1	64.8	9	0
16	DBW312	N-216	52.8	15	0	60.5	24	0	36.9	29	0	64.8	17	0	63.1	17	0	65.2	7	0
17	UP3056	N-217	53.0	14	0	70.4	16	1	65.2	6	0	63.6	20	0	60.3	21	0	56.2	19	0
18	NW7088	N-218	52.8	16	0	73.5	6	1	31.6	31	0	57.3	30	0	61.0	19	0	49.1	27	0
19	HD3355	N-219	55.4	11	0	52.2	28	0	61.0	11	0	69.4	10	1	43.3	32	0	59.0	15	0
20	HUW841	N-220	57.9	6	0	50.1	31	0	27.2	34	0	46.1	35	0	47.1	31	0	49.9	25	0
21	K1904	N-221	40.4	34	0	75.3	1	1	39.9	26	0	60.8	26	0	57.9	24	0	56.6	18	0
22	HD3356	N-222	53.2	12	0	45.5	33	0	42.2	24	0	67.5	14	0	36.9	36	0	67.4	4	1
23	AAI-W22	N-223	38.2	35	0	47.4	32	0	26.9	36	0	68.0	12	1	39.0	34	0	46.8	32	0
24	HD3357	N-224	57.9	7	0	58.3	26	0	57.4	13	0	55.2	32	0	60.6	20	0	63.9	10	0
25	HUW840	N-225	42.2	32	0	42.6	36	0	58.1	12	0	45.7	36	0	54.3	26	0	47.3	30	0
26	KRL1803	N-227	49.4	23	0	72.1	9	1	53.6	18	0	62.8	21	0	64.7	15	0	52.2	23	0
27	KRL1808	N-228	52.1	17	0	45.2	35	0	51.4	20	0	61.1	24	0	49.2	28	0	45.4	36	0
28	JKW277	N-229	60.3	4	0	70.9	13	1	55.4	16	0	52.9	33	0	47.5	30	0	67.7	2	1
29	BRW3869	N-232	66.7	1	1	71.5	11	1	42.0	25	0	65.2	16	0	55.0	25	0	64.9	8	0
30	HD3354	N-233	44.2	28	0	73.7	5	1	79.0	1	1	73.4	7	1	82.3	1	1	58.4	17	0
31	DBW311	N-234	49.9	22	0	45.4	34	0	46.4	22	0	65.3	15	0	72.2	6	1	58.8	16	0
32	DBW310	N-236	44.3	27	0	53.9	27	0	37.1	28	0	63.8	19	0	50.7	27	0	46.7	33	0
33	HD2967 (C)	N-226	43.7	31	0	51.9	29	0	29.3	32	0	46.4	34	0	42.4	33	0	53.7	20	0
34	HD3086 (C)	N-230	47.5	25	0	71.3	12	1	63.7	7	0	74.6	4	1	67.5	12	0	67.4	3	1
35	DBW187 (C)	N-231	51.3	21	0	61.2	23	0	63.3	8	0	73.8	6	1	70.2	9	0	63.8	11	0
36	K1006 (C)	N-235	44.1	29	0	70.2	17	1	28.4	33	0	61.2	23	0	58.6	23	0	46.5	34	0
G.M.			51.0			63.8			50.2			64.0			60.3			56.6		
S.E.(M)			2.350			4.943			1.811			4.170			4.332			1.614		
C.D. (10%)			5.7			11.9			4.4			10.1			10.4			3.9		
C.V.			6.5			11.0			5.1			9.2			10.2			4.0		
D.O.S.(dd.mm.yy)			13.11.19			08.11.19			14.11.19			01.11.19			01.11.19			07.11.19		

No. of Trials : Proposed = 21 Conducted = 21

Trials not reported (04) = Jammu (LSM), Kalyani (LSM), Manikchak (LSM), Shillongani (LSM)

1902-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2019-20

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ									NEPZ								
			Rajasthan			U.P.						U.P.								
			Durgapura			Bulandshahr		Modipuram				Kanpur			Faizabad			Varanasi		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	WH1274	N-201	65.4	6	0	51.9	17	0	52.5	13	0	65.5	10	1	62.2	3	1	34.2	35	0
2	JKW275	N-202	71.7	4	0	55.4	13	0	49.5	21	0	61.3	19	0	58.5	15	1	44.1	22	0
3	K1905	N-203	62.6	8	0	45.9	25	0	51.5	16	0	62.3	15	0	51.0	27	0	40.6	29	0
4	UP3055	N-204	59.5	12	0	45.5	26	0	47.4	27	0	65.3	11	1	62.0	5	1	58.8	1	1
5	NW7093	N-205	52.9	27	0	44.9	27	0	49.1	23	0	51.8	33	0	47.9	33	0	40.4	30	0
6	Raj4549	N-206	42.5	34	0	44.1	30	0	50.7	18	0	52.2	32	0	47.9	33	0	40.8	28	0
7	K1903	N-207	51.7	28	0	56.4	11	0	51.9	14	0	56.1	29	0	61.1	9	1	35.6	33	0
8	PBW830	N-208	69.9	5	0	62.8	6	1	59.2	8	1	70.0	1	1	61.8	6	1	55.8	2	0
9	PBW831	N-209	71.8	3	0	64.9	1	1	60.3	6	1	58.9	24	0	60.1	11	1	53.0	8	0
10	NW7094	N-210	38.4	35	0	43.3	33	0	61.5	3	1	68.4	6	1	50.2	29	0	45.1	21	0
11	UP3057	N-211	65.1	7	0	61.9	7	1	45.1	31	0	62.1	16	0	50.9	28	0	45.8	19	0
12	WH1283	N-212	57.1	19	0	63.8	2	1	56.3	10	0	69.4	3	1	51.9	26	0	54.1	6	0
13	Raj4550	N-213	60.0	11	0	48.9	20	0	53.3	12	0	49.6	35	0	52.6	25	0	41.3	26	0
14	DBW313	N-214	60.1	10	0	59.4	9	0	54.9	11	0	65.0	12	1	53.6	23	0	54.1	7	0
15	BRW3877	N-215	54.9	23	0	52.5	16	0	56.9	9	0	69.7	2	1	58.0	16	1	47.1	13	0
16	DBW312	N-216	61.6	9	0	63.6	3	1	47.2	28	0	58.6	26	0	61.3	8	1	54.4	5	0
17	UP3056	N-217	55.2	21	0	47.1	23	0	51.8	15	0	60.1	21	0	53.5	24	0	43.6	24	0
18	NW7088	N-218	50.7	30	0	45.9	24	0	43.3	32	0	59.4	22	0	46.5	36	0	36.8	32	0
19	HD3355	N-219	48.3	32	0	47.7	22	0	61.3	4	1	62.0	17	0	57.1	17	1	46.4	16	0
20	HUW841	N-220	58.1	16	0	43.6	32	0	49.2	22	0	41.0	36	0	56.8	18	1	51.0	10	0
21	K1904	N-221	76.3	1	1	43.9	31	0	63.0	1	1	59.0	23	0	58.7	14	1	43.7	23	0
22	HD3356	N-222	55.0	22	0	54.2	14	0	48.6	24	0	57.7	28	0	58.9	13	1	45.2	20	0
23	AAI-W22	N-223	55.8	20	0	48.3	21	0	41.2	34	0	55.4	30	0	62.3	1	1	48.9	12	0
24	HD3357	N-224	59.2	13	0	55.7	12	0	39.9	35	0	54.1	31	0	62.2	2	1	46.2	17	0
25	HUW840	N-225	50.2	31	0	43.1	35	0	50.3	20	0	50.7	34	0	55.9	19	0	32.4	36	0
26	KRL1803	N-227	58.2	15	0	63.1	5	1	60.8	5	1	62.4	14	0	55.2	20	0	54.5	4	0
27	KRL1808	N-228	57.4	18	0	53.1	15	0	41.3	33	0	61.6	18	0	49.5	32	0	35.5	34	0
28	JKW277	N-229	58.0	17	0	44.6	28	0	47.1	29	0	68.1	7	1	61.6	7	1	41.0	27	0
29	BRW3869	N-232	50.7	29	0	42.1	36	0	51.5	17	0	68.8	5	1	54.3	21	0	46.7	14	0
30	HD3354	N-233	72.6	2	1	44.2	29	0	59.5	7	1	60.8	20	0	59.4	12	1	46.6	15	0
31	DBW311	N-234	58.8	14	0	51.4	18	0	46.9	30	0	69.0	4	1	62.2	3	1	52.3	9	0
32	DBW310	N-236	37.8	36	0	60.6	8	0	48.2	25	0	65.5	9	1	49.8	31	0	42.4	25	0
33	HD2967 (C)	N-226	47.4	33	0	63.4	4	1	37.9	36	0	63.6	13	1	47.2	35	0	36.9	31	0
34	HD3086 (C)	N-230	53.6	24	0	58.3	10	0	47.9	26	0	58.1	27	0	60.9	10	1	50.8	11	0
35	DBW187 (C)	N-231	53.2	25	0	50.5	19	0	62.9	2	1	66.6	8	1	54.0	22	0	55.0	3	0
36	K1006 (C)	N-235	53.0	26	0	43.3	34	0	50.4	19	0	58.8	25	0	50.2	30	0	45.9	18	0
G.M.			57.1			51.9			51.4			60.8			55.8			45.8		
S.E.(M)			1.682			1.314			1.930			3.032			2.525			0.670		
C.D. (10%)			4.1			3.2			4.7			7.3			6.0			1.6		
C.V.			4.2			3.6			5.3			7.1			6.4			2.1		
D.O.S.(dd.mm.yy)			15.11.19			13.11.19			05.11.19			23.11.19			23.11.19			21.11.19		

1902-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NEPZ														
			Bihar									Jharkhand			W.B.		
			IARI-Pusa			Sabour			RPCAU-Pusa			Ranchi			Coochbehar		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	WH1274	N-201	36.2	31	0	62.0	3	1	47.6	20	0	69.7	9	1	37.7	28	0
2	JKW275	N-202	37.5	25	0	45.5	17	0	49.3	14	0	74.3	1	1	42.1	23	0
3	K1905	N-203	37.0	28	0	36.7	27	0	47.6	20	0	65.6	12	0	48.8	6	0
4	UP3055	N-204	46.4	3	1	43.2	23	0	57.5	2	1	70.3	7	1	46.8	11	0
5	NW7093	N-205	45.2	4	0	44.6	18	0	49.7	13	0	68.9	10	1	35.1	31	0
6	Raj4549	N-206	36.7	30	0	30.5	33	0	46.4	27	0	53.0	34	0	38.9	26	0
7	K1903	N-207	35.6	33	0	51.6	8	0	51.4	7	0	64.0	16	0	35.4	30	0
8	PBW830	N-208	38.5	24	0	55.8	4	0	57.6	1	1	60.4	27	0	44.9	16	0
9	PBW831	N-209	42.7	11	0	49.1	9	0	50.3	11	0	73.3	3	1	31.1	33	0
10	NW7094	N-210	41.2	16	0	40.6	25	0	54.5	4	1	70.8	6	1	45.3	15	0
11	UP3057	N-211	41.2	15	0	47.2	14	0	51.4	7	0	63.0	20	0	49.2	5	0
12	WH1283	N-212	34.6	34	0	63.0	2	1	46.5	24	0	60.9	25	0	31.5	32	0
13	Raj4550	N-213	42.8	10	0	24.9	35	0	43.8	33	0	63.1	18	0	40.9	24	0
14	DBW313	N-214	41.1	18	0	55.5	5	0	50.3	10	0	56.0	30	0	46.8	12	0
15	BRW3877	N-215	47.3	1	1	53.8	6	0	52.2	6	0	55.7	31	0	43.4	19	0
16	DBW312	N-216	44.0	6	0	35.9	29	0	46.5	24	0	59.6	29	0	47.5	9	0
17	UP3056	N-217	34.0	35	0	37.8	26	0	50.7	9	0	55.1	32	0	28.6	34	0
18	NW7088	N-218	39.8	22	0	31.8	32	0	44.1	32	0	67.4	11	1	48.4	8	0
19	HD3355	N-219	41.1	17	0	33.7	31	0	45.1	29	0	60.4	26	0	36.8	29	0
20	HUW841	N-220	42.8	9	0	44.3	20	0	46.9	23	0	61.9	22	0	46.8	13	0
21	K1904	N-221	33.2	36	0	47.9	13	0	46.4	27	0	54.1	33	0	38.7	27	0
22	HD3356	N-222	40.7	20	0	25.2	34	0	42.4	35	0	52.9	35	0	45.7	14	0
23	AAI-W22	N-223	37.4	26	0	35.9	28	0	57.2	3	1	63.1	19	0	48.4	7	0
24	HD3357	N-224	35.9	32	0	43.0	24	0	45.1	29	0	72.4	4	1	23.8	35	0
25	HUW840	N-225	40.6	21	0	35.2	30	0	42.4	35	0	40.2	36	0	44.5	18	0
26	KRL1803	N-227	43.7	7	0	48.0	12	0	46.5	24	0	64.7	14	0	43.0	21	0
27	KRL1808	N-228	41.4	13	0	21.4	36	0	43.1	34	0	61.7	23	0	22.3	36	0
28	JKW277	N-229	36.7	29	0	45.9	16	0	48.1	18	0	70.2	8	1	44.5	17	0
29	BRW3869	N-232	41.0	19	0	46.1	15	0	53.5	5	1	63.7	17	0	43.1	20	0
30	HD3354	N-233	37.4	27	0	43.3	22	0	49.3	14	0	64.4	15	0	42.6	22	0
31	DBW311	N-234	39.2	23	0	53.3	7	0	47.5	22	0	65.3	13	0	47.3	10	0
32	DBW310	N-236	41.3	14	0	49.1	10	0	47.9	19	0	62.6	21	0	40.2	25	0
33	HD2967 (C)	N-226	42.2	12	0	44.4	19	0	49.3	14	0	59.7	28	0	52.2	4	1
34	HD3086 (C)	N-230	44.6	5	0	48.5	11	0	49.0	17	0	61.6	24	0	54.6	2	1
35	DBW187 (C)	N-231	46.8	2	1	65.9	1	1	45.1	29	0	73.7	2	1	52.3	3	1
36	K1006 (C)	N-235	43.1	8	0	44.1	21	0	50.0	12	0	71.4	5	1	55.5	1	1
G.M.			40.3			44.0			48.7			63.2			42.4		
S.E.(M)			0.637			2.729			1.876			2.995			1.998		
C.D. (10%)			1.5			6.6			4.5			7.2			4.8		
C.V.			2.2			8.8			5.5			6.7			6.7		
D.O.S.(dd.mm.yy)			18.11.19			15.11.19			18.11.19			20.11.19			19.11.19		

1902-NIVT-1B-IR-TS-TAS-NAT-ZONE, 2019-20
ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	NWPZ			NEPZ			NATIONAL		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	WH1274	N-201	61.3	9	0	51.9	14	0	56.9	10	0
2	JKW275	N-202	58.5	13	0	51.6	15	0	55.2	13	0
3	K1905	N-203	57.9	15	0	48.7	25	0	53.6	19	0
4	UP3055	N-204	62.4	4	0	56.3	2	1	59.6	1	1
5	NW7093	N-205	52.3	26	0	47.9	26	0	50.2	27	0
6	Raj4549	N-206	47.8	33	0	43.3	34	0	45.7	35	0
7	K1903	N-207	56.8	18	0	48.8	24	0	53.1	20	0
8	PBW830	N-208	62.0	6	0	55.6	3	1	59.0	3	1
9	PBW831	N-209	63.0	3	1	52.3	9	0	58.0	7	0
10	NW7094	N-210	55.4	23	0	52.0	13	0	53.8	18	0
11	UP3057	N-211	60.7	11	0	51.3	17	0	56.3	11	0
12	WH1283	N-212	64.8	2	1	51.5	16	0	58.5	4	1
13	Raj4550	N-213	56.5	20	0	44.9	33	0	51.0	26	0
14	DBW313	N-214	61.6	7	0	52.8	7	0	57.5	9	0
15	BRW3877	N-215	62.1	5	0	53.4	6	0	58.0	6	0
16	DBW312	N-216	57.3	16	0	51.0	19	0	54.3	16	0
17	UP3056	N-217	58.1	14	0	45.4	32	0	52.1	23	0
18	NW7088	N-218	51.7	28	0	46.8	30	0	49.4	29	0
19	HD3355	N-219	55.3	24	0	47.8	27	0	51.8	24	0
20	HUW841	N-220	47.7	34	0	48.9	23	0	48.3	31	0
21	K1904	N-221	57.1	17	0	47.7	29	0	52.7	21	0
22	HD3356	N-222	52.3	27	0	46.1	31	0	49.4	30	0
23	AAI-W22	N-223	45.7	36	0	51.1	18	0	48.3	32	0
24	HD3357	N-224	56.4	21	0	47.8	28	0	52.4	22	0
25	HUW840	N-225	48.2	32	0	42.7	35	0	45.6	36	0
26	KRL1803	N-227	59.7	12	0	52.2	10	0	56.2	12	0
27	KRL1808	N-228	50.7	29	0	42.1	36	0	46.6	34	0
28	JKW277	N-229	56.1	22	0	52.0	12	0	54.1	17	0
29	BRW3869	N-232	56.6	19	0	52.2	11	0	54.5	15	0
30	HD3354	N-233	65.3	1	1	50.5	20	0	58.3	5	1
31	DBW311	N-234	55.0	25	0	54.5	4	0	54.8	14	0
32	DBW310	N-236	49.2	31	0	49.9	21	0	49.5	28	0
33	HD2967 (C)	N-226	46.2	35	0	49.4	22	0	47.7	33	0
34	HD3086 (C)	N-230	61.3	8	0	53.5	5	0	57.6	8	0
35	DBW187 (C)	N-231	61.1	10	0	57.4	1	1	59.4	2	1
36	K1006 (C)	N-235	50.6	30	0	52.4	8	0	51.5	25	0
G.M.			56.2			50.1			53.4		
S.E.(M)			0.996			0.794			0.646		
C.D. (10%)			2.3			1.8			1.5		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-1B-IR-TS-TAS, 2019-20

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	WH1274	N-201	20S	6.7	10S	2.5	93-112	101	132-163	150	88-112	101	10	Ey	A	H	41-51	44
2	JKW275	N-202	40S	12.9	10S	2.7	89-113	100	128-159	149	100-109	104	15	Ey	A	H	32-46	38
3	K1905	N-203	60S	30.0	20S	9.5	95-110	102	132-158	149	99-123	110	5	Ey	A	H	38-51	44
4	UP3055	N-204	20S	10.0	5S	1.3	99-115	106	136-161	151	85-113	102	10	Ey	A	H	32-43	39
5	NW7093	N-205	20S	6.0	10S	2.5	90-112	100	133-159	150	88-110	101	10	Ey	A	H	28-40	34
6	Raj4549	N-206	80S	40.0	tMS	0.2	98-115	108	139-161	152	85-117	98	10	Ey	A	H	26-42	37
7	K1903	N-207	60S	15.7	5S	1.3	91-112	103	133-158	148	85-115	103	25	Ey	A	H	31-45	38
8	PBW830	N-208	20S	8.4	10S	2.7	93-112	101	134-161	150	82-113	96	5	Ey	A	H	39-51	44
9	PBW831	N-209	10S	3.4	5S	1.3	94-109	104	135-160	150	88-115	99	5	Ey	A	H	39-46	42
10	NW7094	N-210	20S	7.4	5S	1.3	96-112	105	137-165	152	93-116	104	15	Ey	A	H	32-44	40
11	UP3057	N-211	60S	25.9	10MR	1.0	95-110	105	140-163	153	85-117	108	10	Ey	A	H	35-40	38
12	WH1283	N-212	20S	4.3	5S	1.3	93-110	101	133-163	150	91-114	101	5	Ey	A	H	34-46	43
13	Raj4550	N-213	60S	32.3	40S	15.0	86-110	99	127-158	148	90-112	99	15	Ey	A	SH	32-40	38
14	DBW313	N-214	20S	10.7	10S	2.7	99-115	106	135-161	150	90-118	100	10	Ey	A	H	39-50	42
15	BRW3877	N-215	20S	10.4	20S	5.5	96-108	103	129-160	149	95-118	108	20	Ey	A	H	36-53	44
16	DBW312	N-216	60S	34.3	5S	1.3	94-112	106	136-162	152	85-115	100	5	Ey	A	H	31-39	35
17	UP3056	N-217	40S	15.0	5S	1.3	95-110	104	133-163	151	100-118	108	15	Ey	A	H	34-43	39
18	NW7088	N-218	40S	19.9	40S	12.0	95-108	103	135-158	151	88-117	103	25	Ey	A	SH	33-43	38
19	HD3355	N-219	80S	35.7	10S	2.5	93-110	103	137-159	149	90-119	106	15	Ey	A	H	31-46	39
20	HUW841	N-220	60S	35.4	10S	3.8	93-110	102	132-163	150	90-117	102	20	Ey	A	H	33-42	38
21	K1904	N-221	60S	28.6	10MR	1.0	90-108	100	130-155	146	95-118	105	15	Ey	A	SH	40-46	43
22	HD3356	N-222	80S	50.0	20S	5.0	93-115	107	146-163	153	90-117	103	15	Ey	A	SH	30-40	36
23	AAI-W22	N-223	80S	45.7	60S	27.0	93-108	101	131-159	147	90-115	100	15	Ey	A	H	29-42	37
24	HD3357	N-224	60S	29.3	10S	3.8	94-110	101	132-155	148	93-110	102	10	Ey	A	H	38-47	41
25	HUW840	N-225	60S	32.1	5S	2.8	100-115	108	145-164	153	88-104	98	10	Ey	A	H	32-42	39
26	KRL1803	N-227	20S	11.4	0	0	93-108	100	132-163	150	95-115	103	15	Ey	A	H	33-44	41
27	KRL1808	N-228	60S	25.7	20S	5.0	97-114	107	145-163	154	90-117	107	15	Ey	A	H	36-49	42
28	JKW277	N-229	80S	37.1	20S	5.0	91-108	101	133-157	148	92-116	106	20	Ey	A	H	37-48	42
29	BRW3869	N-232	60S	31.6	10S	3.8	96-108	104	135-162	150	90-120	109	30	Ey	A	H	38-49	41
30	HD3354	N-233	40S	12.6	5MR	0.5	90-108	101	132-161	150	95-120	106	10	Ey	A	H	38-44	42
31	DBW311	N-234	40S	20.0	5S	3.8	90-107	100	132-159	148	95-110	102	25	Ey	A	H	38-43	40
32	DBW310	N-236	80S	35.1	5S	2.5	102-110	107	141-161	153	89-120	103	20	Ey	A	H	28-42	36
33	HD2967 (C)	N-226	60S	30.0	tMS	0.2	99-116	108	135-164	154	88-113	104	10	Ey	A	H	32-41	37
34	HD3086 (C)	N-230	60S	29.3	40S	12.5	90-108	99	127-157	147	82-118	101	15	Ey	A	H	34-45	40
35	DBW187 (C)	N-231	40S	18.6	5S	1.3	90-110	101	131-161	150	97-113	107	15	Ey	A	H	37-49	43
36	K1006 (C)	N-235	60S	35.4	15MS	5.5	91-108	101	132-159	148	90-115	103	25	Ey	A	H	32-43	37

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

NIVT-1B-IR-TS-TAS, 2019-20
North Western Plains Zone
Individual Station Rust Data

SN	Variety	Code	Yellow Rust							Brown Rust			
			Jammu	Ludhiana	Karnal	Delhi	Gurdaspur	Hisar	Pantnagar	Delhi	Gurdaspur	Hisar	Pantnagar
1	WH1274	N-201	20S	20S	5MR	0	5S	0	0	10S	0	0	0
2	JKW275	N-202	40S	20S	20MS	0	10S	5MS	0	10S	0	0	tMS
3	K1905	N-203	60S	60S	60S	0	20S	0	10S	0	20S	10S	10MS
4	UP3055	N-204	20S	20S	10S	10S	10S	0	0	0	0	5S	0
5	NW7093	N-205	10MS	20S	10MR	0	10S	0	0	10S	0	0	0
6	Raj4549	N-206	60S	80S	80S	0	40S	10S	10S	0	0	0	tMS
7	K1903	N-207	20S	60S	20S	0	10S	0	0	5S	0	0	0
8	PBW830	N-208	5MS	10S	20S	0	20S	5S	0	10S	0	0	tMS
9	PBW831	N-209	5MR	10S	5MR	0	10S	0	0	5S	0	0	0
10	NW7094	N-210	10S	20S	5MR	0	20S	0	0	0	0	0	5S
11	UP3057	N-211	40S	60S	40S	0	40S	0	tS	10MR	0	0	0
12	WH1283	N-212	20S	5MR	10MR	0	5MS	0	0	5S	0	0	0
13	Raj4550	N-213	60S	60S	60S	5S	40S	0	tS	0	0	20S	40S
14	DBW313	N-214	20S	20S	10S	5S	10S	5S	5S	0	0	10S	tMS
15	BRW3877	N-215	20S	20S	10MS	0	20S	0	5S	20S	0	5MR	0
16	DBW312	N-216	60S	60S	60S	0	40S	10S	10S	5S	0	0	0
17	UP3056	N-217	20S	40S	20S	0	20S	5S	0	5S	0	0	0
18	NW7088	N-218	20S	40S	40S	20S	10S	10MS	tS	40S	0	0	10MS
19	HD3355	N-219	60S	40S	80S	0	60S	10S	0	10S	0	0	0
20	HUW841	N-220	60S	60S	60S	0	60S	0	10MS	5S	0	10S	0
21	K1904	N-221	60S	40S	60S	0	40S	0	0	10MR	0	0	0
22	HD3356	N-222	60S	80S	80S	10S	60S	40S	20S	20S	0	0	0
23	AAI-W22	N-223	80S	80S	60S	0	60S	20S	20S	10MS	0	60S	40S
24	HD3357	N-224	60S	40S	60S	0	40S	0	5S	10S	0	0	5S
25	HUW840	N-225	60S	60S	60S	0	40S	0	5S	5S	0	5S	tS
26	KRL1803	N-227	20S	20S	20S	0	20S	0	0	0	0	0	0
27	KRL1808	N-228	40S	60S	40S	0	40S	0	0	20S	0	0	0
28	JKW277	N-229	60S	60S	80S	0	40S	10S	10S	0	0	0	20S
29	BRW3869	N-232	60S	40S	60S	0	60S	0	tS	10S	0	0	5S
30	HD3354	N-233	10MS	40S	20S	0	20S	0	0	5MR	0	0	0
31	DBW311	N-234	40S	40S	40S	0	20S	0	0	5S	tR	5S	5S
32	DBW310	N-236	60S	40S	80S	0	60S	5S	tS	5S	0	0	5S
33	HD2967 (C)	N-226	60S	40S	40S	0	40S	20S	10S	0	0	0	tMS
34	HD3086 (C)	N-230	20S	60S	60S	0	20S	40S	5S	40S	5S	0	5S
35	DBW187 (C)	N-231	40S	40S	20S	0	20S	5S	5S	5S	0	0	0
36	K1006 (C)	N-235	60S	60S	60S	0	60S	0	10MS	5S	0	5S	15MS

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: NIVT-1B-IR-TS-TAS, 2019-20

SN	Variety	Code	Disease Reactions			Agronomic Characteristics								Grain Characteristics			
			Br	ACI	LB HS (Av.)	Hd. R	Hd. M	Mat. R	Mat. M	Ht. R	Ht. M	Lod. M	Thr.	Col.	Tex.	TGW. R	TGW. M
1	WH1274	N-201	40S	9.0	68(35)	68-87	79	107-131	124	83-101	92	5	Ey	A	H	32-53	44
2	JKW275	N-202	5S	0.8	79(35)	66-88	78	105-130	124	88-103	97	0	Ey	A	SH	30-53	39
3	K1905	N-203	5S	1.7	68(35)	72-89	81	113-132	124	95-111	104	30	Ey	A	SH	34-54	44
4	UP3055	N-204	10S	1.7	57(35)	74-94	86	115-135	128	88-106	96	5	Ey	A	H	32-50	42
5	NW7093	N-205	0	0	68(35)	64-93	79	102-131	122	86-104	96	20	Ey	A	SH	32-44	37
6	Raj4549	N-206	10S	1.7	68(34)	77-96	90	122-138	130	86-100	94	15	Ey	A	SH	31-48	40
7	K1903	N-207	5MS	0.7	68(35)	73-89	82	114-134	126	91-115	103	10	Ey	A	SH	34-51	40
8	PBW830	N-208	0	0	46(34)	65-87	78	105-131	122	83-105	91	5	Ey	A	SH	31-58	44
9	PBW831	N-209	5S	0.8	57(24)	74-92	85	114-138	127	85-103	94	5	Ey	A	H	26-53	40
10	NW7094	N-210	0	0	68(34)	74-91	85	115-135	127	83-116	101	0	Ey	A	H	30-49	40
11	UP3057	N-211	5S	0.8	57(24)	75-92	85	116-136	128	93-110	101	0	Ey	A	H	34-49	42
12	WH1283	N-212	5S	1.7	57(35)	67-87	78	107-130	123	82-103	91	5	Ey	A	SH	35-52	45
13	Raj4550	N-213	30S	10.8	79(45)	64-87	77	106-129	121	84-102	92	5	Ey	A	SH	22-51	38
14	DBW313	N-214	20S	4.1	36(24)	76-91	85	118-133	128	87-100	94	5	Ey	A	H	36-53	44
15	BRW3877	N-215	5S	3.3	45(24)	71-90	83	113-138	127	90-114	103	25	Ey	A	SH	34-54	46
16	DBW312	N-216	10MS	2.2	57(34)	73-93	86	112-136	128	80-94	90	10	Ey	A	SH	34-43	38
17	UP3056	N-217	10S	2.3	68(35)	67-90	83	106-131	125	92-110	100	5	Ey	A	SH	26-47	39
18	NW7088	N-218	10S	2.5	57(34)	73-90	83	112-130	125	90-107	99	25	Ey	A	H	25-50	39
19	HD3355	N-219	20S	3.3	79(34)	73-90	84	114-133	126	90-110	102	20	Ey	A	H	27-52	41
20	HUW841	N-220	10S	2.3	46(24)	73-91	81	113-133	125	87-108	99	15	Ey	A	SH	32-50	40
21	K1904	N-221	5MS	0.7	79(45)	68-86	79	110-129	121	86-110	95	10	Ey	A	SH	24-52	41
22	HD3356	N-222	20S	4.2	46(34)	79-94	89	127-137	130	86-107	98	15	Ey	A	H	29-56	39
23	AAI-W22	N-223	80S	63.3	68(35)	69-89	81	111-136	126	90-103	98	5	Ey	A	SH	31-51	43
24	HD3357	N-224	40S	16.3	68(35)	66-89	80	115-132	124	85-104	96	15	Ey	A	H	32-56	42
25	HUW840	N-225	40S	14.2	45(24)	78-95	90	126-140	132	87-104	96	5	Ey	A	H	32-46	39
26	KRL1803	N-227	0	0	79(34)	72-85	79	113-132	123	83-107	98	5	Ey	A	H	35-53	43
27	KRL1808	N-228	10S	1.7	79(24)	82-95	91	126-137	131	97-113	105	20	Ey	A	SH	29-51	41
28	JKW277	N-229	20S	12.3	68(35)	72-89	82	115-132	124	92-111	101	5	Ey	A	H	31-58	45
29	BRW3869	N-232	40S	10.0	46(35)	73-89	83	117-135	127	93-111	104	25	Ey	A	SH	30-60	44
30	HD3354	N-233	0	0	68(34)	72-85	80	113-129	122	90-120	102	5	Ey	A	H	26-57	44
31	DBW311	N-234	40S	15.5	68(35)	66-85	79	105-132	123	85-102	96	5	Ey	A	SH	25-51	40
32	DBW310	N-236	80S	36.7	57(24)	83-95	92	127-138	132	91-113	102	15	Ey	A	H	30-44	39
33	HD2967 (C)	N-226	5S	0.8	46(24)	82-99	94	131-142	135	94-106	99	20	Ey	A	H	26-52	40
34	HD3086 (C)	N-230	40S	13.0	79(35)	67-88	77	106-131	123	85-102	96	5	Ey	A	H	27-47	40
35	DBW187 (C)	N-231	5S	1.7	57(35)	68-87	78	108-131	123	87-110	100	20	Ey	A	H	33-56	44
36	K1006 (C)	N-235	40S	26.7	68(35)	64-88	79	110-132	125	88-110	99	25	Ey	A	H	30-53	41

1. Ancillary data from Kanpur, Faizabad, Varanasi, IARI-Pusa, RPCAU-Pusa, Sabour, Ranchi, Kalyani, Coochbehar, Manikchak and Shillongani.
2. Brown rust data from Kanpur, IARI-Pusa, Sabour, Kalyani, Coochbehar and Manikchak; 3. Leaf blight data from Faizabad, IARI-Pusa, Sabour, Ranchi, Kalyani, Coochbehar, Manikchak and Shillongani; 4. Lodging data from Kanpur, Sabour, Kalyani, Coochbehar, Manikchak and Shillongani.

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North Eastern Plains Zone

Individual Station Brown Rust and Leaf Blight Data

SN	Variety	Code	Brown Rust						Leaf Blight							
			Kanpur	IARI-Pusa	Sabour	Kalyani	Cooch behar	Manick chak	Faizabad	IARI-Pusa	Sabour	Ranchi	Kalyani	Cooch behar	Manik chak	Shillongani
1	WH1274	N-201	10MR	5S	5S	0	40S	0	25	24	68	12	57	45	12	46
2	JKW275	N-202	0	5S	0	0	0	0	24	45	79	13	57	35	13	35
3	K1905	N-203	0	5S	5S	0	0	0	12	35	68	24	57	34	12	46
4	UP3055	N-204	0	10S	0	0	0	0	23	24	46	13	57	34	13	46
5	NW7093	N-205	0	0	0	0	0	0	46	23	68	03	45	34	12	36
6	Raj4549	N-206	0	10S	0	0	0	0	23	45	68	02	45	45	12	13
7	K1903	N-207	0	0	0	0	5MS	0	24	45	68	13	46	34	13	25
8	PBW830	N-208	0	0	0	0	0	0	25	34	46	12	35	45	13	24
9	PBW831	N-209	0	0	5S	0	0	0	24	34	57	02	35	34	00	36
10	NW7094	N-210	0	0	0	0	0	0	12	35	68	13	35	23	13	36
11	UP3057	N-211	0	5S	0	0	0	0	12	35	57	24	24	34	13	24
12	WH1283	N-212	0	5S	0	0	0	5S	24	34	57	23	57	45	12	35
13	Raj4550	N-213	20S	30S	5S	0	0	10S	23	45	79	13	67	34	13	46
14	DBW313	N-214	0	20S	5S	0	0	0	36	34	35	03	24	34	14	12
15	BRW3877	N-215	10S	5S	0	0	0	5S	45	23	35	12	25	34	13	35
16	DBW312	N-216	0	5S	0	0	10MS	0	35	23	57	13	45	34	12	12
17	UP3056	N-217	0	10S	0	0	5MS	0	24	35	68	03	57	45	00	24
18	NW7088	N-218	0	10S	5S	0	0	0	12	34	35	03	57	34	13	46
19	HD3355	N-219	0	20S	0	0	0	0	12	34	79	12	46	45	00	46
20	HUW841	N-220	0	10S	0	0	5MS	0	12	23	46	13	35	34	12	35
21	K1904	N-221	0	0	0	0	5MS	0	24	46	79	12	57	45	12	46
22	HD3356	N-222	0	20S	0	0	0	5S	46	45	46	13	35	34	12	12
23	AAI-W22	N-223	80S	80S	80S	40S	80S	20S	23	45	68	24	56	23	13	36
24	HD3357	N-224	40S	40S	5S	0	10MS	5S	23	34	68	23	57	45	13	36
25	HUW840	N-225	0	30S	5S	10S	40S	0	24	45	35	13	35	23	13	14
26	KRL1803	N-227	0	0	0	0	0	0	12	34	79	02	57	45	00	36
27	KRL1808	N-228	0	10S	0	0	0	0	12	34	79	12	25	34	13	14
28	JKW277	N-229	20S	20S	20S	10S	5MS	0	23	46	68	13	45	45	13	46
29	BRW3869	N-232	40S	5S	5S	5S	0	5S	46	23	35	24	35	34	14	46
30	HD3354	N-233	0	0	0	0	0	0	12	34	68	23	45	45	13	24
31	DBW311	N-234	40S	30S	5S	10S	10MS	0	24	35	68	24	46	34	12	46
32	DBW310	N-236	40S	20S	80S	10S	60S	10S	23	23	57	14	13	34	12	12
33	HD2967 (C)	N-226	0	5S	0	0	0	0	36	12	46	03	13	12	12	24
34	HD3086 (C)	N-230	40S	10S	5S	10S	10MS	5S	24	46	79	03	57	34	00	35
35	DBW187 (C)	N-231	0	5S	5S	0	0	0	12	35	35	13	57	34	14	46
36	K1006 (C)	N-235	30S	10S	40S	40S	40S	0	36	34	35	15	68	34	14	36