

1904-NIVT-3A-IR-LS-TAS-NAT-ZONE, 2019-20

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ																	
			Delhi			Punjab						Haryana						Uttarakhand		
			Delhi			Ludhiana		Gurdaspur				Karnal			Hisar			Pantnagar		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	K1907	N-401	56.4	14	1	51.4	18	0	42.9	13	0	33.0	32	0	51.6	15	0	50.6	11	0
2	HD3361	N-402	46.1	34	0	47.1	26	0	45.1	10	0	53.5	7	1	49.9	23	0	41.4	23	0
3	DBW335	N-403	55.6	16	1	43.2	33	0	41.3	17	0	46.8	18	0	50.5	19	0	43.8	21	0
4	HD3362	N-404	53.1	23	1	57.4	6	1	38.1	25	0	51.8	13	1	50.2	21	0	44.0	20	0
5	WH1278	N-405	62.4	2	1	59.1	2	1	55.4	2	1	51.8	14	1	61.8	1	1	38.5	33	0
6	UP3065	N-407	60.7	4	1	47.2	25	0	40.8	19	0	56.7	4	1	50.8	17	0	48.6	13	0
7	NW7092	N-408	48.5	31	0	38.1	36	0	27.6	36	0	22.4	35	0	48.1	27	0	40.3	30	0
8	HD3363	N-409	49.9	26	0	52.7	14	1	33.9	29	0	57.4	2	1	50.4	20	0	44.2	19	0
9	PBW836	N-410	53.6	22	1	59.1	3	1	42.6	15	0	35.5	29	0	46.3	30	0	51.3	10	0
10	DBW317	N-411	48.4	32	0	43.6	32	0	33.3	30	0	53.1	8	1	56.1	9	1	41.4	22	0
11	K1908	N-412	59.7	6	1	58.1	5	1	40.1	20	0	38.6	25	0	59.1	3	1	54.8	4	0
12	HD3364	N-413	58.6	9	1	58.7	4	1	39.5	24	0	34.7	31	0	47.6	28	0	41.2	24	0
13	PBW834	N-414	61.8	3	1	54.8	9	1	53.6	4	1	60.4	1	1	61.7	2	1	44.2	18	0
14	HUW842	N-415	48.6	29	0	52.4	15	0	35.2	27	0	52.2	12	1	40.6	35	0	39.9	31	0
15	UP3059	N-416	48.6	30	0	49.4	23	0	32.2	31	0	36.0	28	0	54.3	12	0	59.5	1	1
16	Raj4552	N-417	56.0	15	1	51.7	16	0	41.0	18	0	55.5	5	1	51.7	14	0	48.0	15	0
17	HD3360	N-418	57.6	13	1	44.8	29	0	43.5	12	0	40.8	24	0	57.7	7	1	41.2	25	0
18	UP3061	N-419	54.7	20	1	50.4	21	0	30.5	33	0	37.0	26	0	46.8	29	0	41.1	26	0
19	HD3365	N-420	53.0	24	1	44.3	30	0	42.8	14	0	35.2	30	0	50.9	16	0	38.1	34	0
20	WH1276	N-421	59.7	5	1	51.5	17	0	50.4	5	0	53.0	9	1	55.6	11	1	37.8	35	0
21	Raj4554	N-422	45.6	35	0	44.9	28	0	42.0	16	0	19.2	36	0	39.8	36	0	40.6	29	0
22	UP3060	N-423	59.3	7	1	53.0	13	1	55.1	3	1	52.6	10	1	49.9	23	0	51.3	9	0
23	PBW833	N-425	54.0	21	1	53.2	12	1	39.7	23	0	44.6	22	0	52.2	13	0	52.6	7	0
24	DBW316	N-426	58.1	11	1	53.5	11	1	39.8	21	0	54.8	6	1	58.8	4	1	39.8	32	0
25	NW8000	N-429	47.7	33	0	38.5	35	0	31.5	32	0	47.8	17	0	50.2	22	0	36.9	36	0
26	PBW835	N-430	51.7	25	0	48.0	24	0	48.2	7	0	49.4	16	0	46.0	31	0	58.1	3	1
27	Raj4553	N-431	55.5	17	1	50.6	19	0	29.4	34	0	26.7	34	0	42.3	34	0	40.8	27	0
28	JKW278	N-432	54.8	19	1	50.3	22	0	37.4	26	0	46.3	19	0	48.5	26	0	48.4	14	0
29	WH1277	N-433	55.1	18	1	39.6	34	0	34.8	28	0	36.4	27	0	58.8	4	1	49.0	12	0
30	DBW318	N-434	59.1	8	1	57.0	7	1	43.8	11	0	57.3	3	1	57.9	6	1	47.0	16	0
31	DBW319	N-435	49.0	28	0	50.4	20	0	50.2	6	0	46.2	20	0	49.8	25	0	52.9	6	0
32	JKW270	N-436	62.5	1	1	53.8	10	1	47.9	8	0	50.2	15	0	55.9	10	1	58.5	2	1
33	DBW173 (C)	N-406	43.3	36	0	59.2	1	1	59.8	1	1	52.4	11	1	56.3	8	1	53.9	5	0
34	HI1563 (C)	N-424	49.6	27	0	44.1	31	0	28.1	35	0	32.2	33	0	43.8	32	0	40.7	28	0
35	HD3059 (C)	N-427	58.2	10	1	55.4	8	1	45.8	9	0	45.0	21	0	50.5	18	0	44.4	17	0
36	DBW107 (C)	N-428	57.7	12	1	45.9	27	0	39.8	21	0	42.0	23	0	43.6	33	0	52.3	8	0
G.M.			54.3			50.4			41.2			44.7			51.3			46.0		
S.E.(M)			4.161			2.836			3.722			3.841			3.077			1.593		
C.D. (10%)			10.1			6.8			8.9			9.2			7.4			3.8		
C.V.			10.8			8.0			12.8			12.2			8.5			4.9		
D.O.S.(dd.mm.yy)			20.12.19			10.12.19			21.12.19			25.12.19			10.12.19			24.12.19		

No. of Trials : Proposed = 20 Conducted = 20
Trials not reported (02) = Jammu (RMT), Shillongani (ES)

1904-NIVT-3A-IR-LS-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	K1907	N-401	44.8	13	0	41.1	36	0	46.4	23	0	45.3	19	0	35.5	36	0	46.7	27	0
2	HD3361	N-402	34.0	35	0	44.9	27	0	43.1	29	0	37.2	31	0	40.1	26	0	38.8	34	0
3	DBW335	N-403	49.4	4	0	51.2	13	0	46.3	24	0	44.6	21	0	45.7	11	1	59.3	1	1
4	HD3362	N-404	41.7	21	0	49.2	21	0	51.0	16	0	48.4	12	0	47.6	5	1	55.7	5	0
5	WH1278	N-405	43.2	18	0	50.1	16	0	54.9	10	0	43.0	23	0	41.1	23	0	48.8	25	0
6	UP3065	N-407	41.7	21	0	50.4	14	0	46.8	22	0	51.1	10	1	46.1	10	1	46.6	28	0
7	NW7092	N-408	43.2	18	0	50.3	15	0	34.8	36	0	30.9	35	0	42.8	18	0	34.1	35	0
8	HD3363	N-409	38.6	29	0	57.6	6	0	47.4	19	0	52.7	7	1	38.2	33	0	53.5	13	0
9	PBW836	N-410	34.0	35	0	59.7	3	1	45.3	28	0	42.2	25	0	36.5	35	0	54.0	10	0
10	DBW317	N-411	38.6	29	0	47.0	25	0	39.8	33	0	46.3	18	0	48.4	3	1	58.3	3	1
11	K1908	N-412	44.8	13	0	47.8	24	0	45.7	27	0	54.0	3	1	41.3	22	0	52.9	15	0
12	HD3364	N-413	41.7	21	0	43.0	32	0	54.2	11	0	48.6	11	0	38.8	30	0	40.9	33	0
13	PBW834	N-414	45.5	12	0	58.7	4	1	61.9	1	1	55.2	2	1	47.8	4	1	54.9	6	0
14	HUW842	N-415	58.6	1	1	61.2	1	1	56.1	8	0	34.5	32	0	39.0	29	0	49.3	23	0
15	UP3059	N-416	38.6	29	0	49.4	19	0	51.5	15	0	40.5	29	0	41.7	21	0	42.1	31	0
16	Raj4552	N-417	47.8	6	0	57.0	7	0	47.3	21	0	46.5	16	0	37.8	34	0	53.0	14	0
17	HD3360	N-418	41.7	21	0	55.3	8	0	35.9	35	0	51.5	9	1	47.3	6	1	49.2	24	0
18	UP3061	N-419	50.9	3	1	41.6	34	0	42.9	30	0	46.7	15	0	38.6	32	0	31.8	36	0
19	HD3365	N-420	49.4	4	0	48.1	23	0	38.8	34	0	48.2	13	0	45.1	12	1	52.7	16	0
20	WH1276	N-421	47.8	6	0	49.0	22	0	56.4	7	0	45.3	19	0	45.1	12	1	49.9	19	0
21	Raj4554	N-422	35.5	34	0	44.6	28	0	45.9	26	0	34.5	32	0	46.7	7	1	43.3	30	0
22	UP3060	N-423	55.6	2	1	58.3	5	1	53.5	12	0	56.1	1	1	46.5	8	1	53.7	11	0
23	PBW833	N-425	41.7	21	0	43.5	31	0	56.5	6	0	41.9	27	0	44.8	14	0	56.0	4	0
24	DBW316	N-426	47.8	6	0	53.5	10	0	49.9	17	0	47.5	14	0	43.6	16	0	54.5	8	0
25	NW8000	N-429	46.3	9	0	43.6	30	0	42.8	31	0	44.2	22	0	38.6	31	0	49.4	21	0
26	PBW835	N-430	41.7	21	0	50.0	17	0	51.7	14	0	53.8	5	1	49.8	1	1	54.0	9	0
27	Raj4553	N-431	40.1	27	0	45.6	26	0	51.9	13	0	34.3	34	0	43.6	17	0	45.0	29	0
28	JKW278	N-432	44.8	13	0	41.5	35	0	40.0	32	0	42.2	25	0	40.3	25	0	41.6	32	0
29	WH1277	N-433	44.8	17	0	52.4	12	0	55.6	9	0	29.5	36	0	41.9	20	0	49.7	20	0
30	DBW318	N-434	46.3	9	0	52.5	11	0	59.0	3	1	41.9	27	0	39.9	27	0	53.7	12	0
31	DBW319	N-435	44.8	13	0	44.1	29	0	47.3	20	0	46.5	17	0	48.6	2	1	59.0	2	1
32	JKW270	N-436	43.2	18	0	42.6	33	0	58.3	5	1	38.2	30	0	39.5	28	0	54.8	7	0
33	DBW173 (C)	N-406	46.3	9	0	49.3	20	0	60.3	2	1	42.8	24	0	46.3	9	1	52.3	17	0
34	HI1563 (C)	N-424	38.6	29	0	53.9	9	0	47.9	18	0	54.0	3	1	42.4	19	0	48.1	26	0
35	HD3059 (C)	N-427	37.0	33	0	49.5	18	0	58.4	4	1	52.3	8	1	44.8	14	0	50.7	18	0
36	DBW107 (C)	N-428	40.1	27	0	60.8	2	1	46.0	25	0	53.2	6	1	41.1	23	0	49.3	22	0
G.M.			43.6			50.0			49.2			45.2			42.9			49.7		
S.E.(M)			3.505			1.460			1.727			2.265			2.055			0.983		
C.D. (10%)			8.4			3.5			4.1			5.4			4.9			2.3		
C.V.			11.4			4.1			5.0			7.1			6.8			2.8		
D.O.S.(dd.mm.yy)			12.12.19			10.12.19			24.12.19			24.12.19			20.12.19			20.12.19		

1904-NIVT-3A-IR-LS-TAS-NAT-ZONE, 2019-20
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NEPZ																	
			Bihar									Jharkhand			West Bengal					
			Sabour			IARI-Pusa			RPCAU-Pusa			Ranchi			Kalyani			Coochbehar		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	K1907	N-401	42.3	15	0	37.6	2	0	30.4	26	0	66.4	8	1	41.2	12	0	41.0	14	0
2	HD3361	N-402	31.2	29	0	30.0	28	0	27.3	33	0	61.7	16	0	38.3	23	0	18.2	36	0
3	DBW335	N-403	48.8	10	0	32.9	11	0	32.6	18	0	46.1	34	0	36.7	33	0	43.8	6	0
4	HD3362	N-404	33.7	27	0	30.9	21	0	29.2	31	0	66.6	6	1	44.5	6	0	36.2	24	0
5	WH1278	N-405	41.6	16	0	38.8	1	1	27.3	34	0	60.1	17	0	41.0	14	0	43.6	7	0
6	UP3065	N-407	35.1	25	0	36.6	5	0	32.4	19	0	53.1	31	0	37.6	28	0	40.9	15	0
7	NW7092	N-408	19.9	35	0	30.8	23	0	30.1	28	0	45.9	35	0	39.1	20	0	42.1	10	0
8	HD3363	N-409	35.1	24	0	32.7	13	0	31.9	21	0	52.8	32	0	34.0	35	0	36.4	22	0
9	PBW836	N-410	38.6	20	0	29.1	30	0	29.6	29	0	51.1	33	0	41.2	12	0	45.5	3	1
10	DBW317	N-411	57.1	1	1	31.2	19	0	25.2	36	0	70.9	1	1	51.5	1	1	34.5	29	0
11	K1908	N-412	49.1	9	0	29.0	31	0	35.3	10	0	54.3	28	0	42.1	11	0	35.7	25	0
12	HD3364	N-413	28.3	31	0	32.1	18	0	31.4	23	0	64.0	12	1	39.1	20	0	33.7	30	0
13	PBW834	N-414	51.3	6	1	27.7	32	0	34.9	11	0	69.7	2	1	44.7	5	0	34.5	28	0
14	HUW842	N-415	24.9	34	0	35.1	7	0	35.4	9	0	56.3	25	0	38.6	22	0	27.8	33	0
15	UP3059	N-416	32.7	28	0	36.0	6	0	33.1	16	0	60.1	17	0	39.6	18	0	24.1	35	0
16	Raj4552	N-417	42.5	14	0	26.0	36	0	35.4	8	0	65.3	10	1	37.3	30	0	44.9	4	1
17	HD3360	N-418	50.4	8	0	32.5	14	0	39.9	5	1	65.8	9	1	40.8	15	0	47.6	1	1
18	UP3061	N-419	14.6	36	0	37.3	3	0	39.4	6	1	58.5	20	0	39.6	18	0	35.0	27	0
19	HD3365	N-420	40.5	18	0	30.6	24	0	37.0	7	0	62.7	15	1	40.6	16	0	42.1	11	0
20	WH1276	N-421	43.7	12	0	32.4	15	0	30.2	27	0	63.9	13	1	38.3	24	0	26.0	34	0
21	Raj4554	N-422	41.5	17	0	36.7	4	0	32.4	20	0	56.5	23	0	37.4	29	0	39.9	17	0
22	UP3060	N-423	43.3	13	0	31.0	20	0	42.8	4	1	66.5	7	1	42.3	10	0	40.5	16	0
23	PBW833	N-425	55.8	3	1	32.8	12	0	34.7	12	0	55.3	27	0	45.7	4	0	46.2	2	1
24	DBW316	N-426	52.7	5	1	30.8	22	0	43.0	3	1	68.0	4	1	35.7	34	0	43.1	8	0
25	NW8000	N-429	34.7	26	0	34.1	9	0	27.3	35	0	55.7	26	0	46.0	2	0	28.7	32	0
26	PBW835	N-430	48.1	11	0	29.6	29	0	44.0	1	1	56.5	24	0	43.2	8	0	32.9	31	0
27	Raj4553	N-431	25.2	33	0	26.1	35	0	33.3	15	0	64.8	11	1	37.0	32	0	42.2	9	0
28	JKW278	N-432	29.4	30	0	32.2	16	0	28.9	32	0	59.9	19	0	37.3	30	0	41.9	12	0
29	WH1277	N-433	26.2	32	0	27.3	33	0	30.8	24	0	53.3	30	0	30.5	36	0	41.9	13	0
30	DBW318	N-434	54.7	4	1	34.2	8	0	31.9	22	0	67.6	5	1	42.6	9	0	36.3	23	0
31	DBW319	N-435	56.1	2	1	27.3	34	0	34.5	13	0	69.5	3	1	38.0	25	0	43.9	5	0
32	JKW270	N-436	38.5	21	0	33.2	10	0	33.0	17	0	58.4	21	0	37.9	26	0	38.2	20	0
33	DBW173 (C)	N-406	35.3	22	0	30.3	26	0	29.4	30	0	45.0	36	0	37.7	27	0	35.4	26	0
34	HI1563 (C)	N-424	35.2	23	0	30.4	25	0	33.9	14	0	63.3	14	1	45.8	3	0	39.0	18	0
35	HD3059 (C)	N-427	39.2	19	0	32.1	17	0	43.2	2	1	53.7	29	0	40.4	17	0	37.2	21	0
36	DBW107 (C)	N-428	50.7	7	1	30.2	27	0	30.5	25	0	57.2	22	0	43.7	7	0	38.3	19	0
G.M.			39.7			31.9			33.4			59.6			40.2			37.8		
S.E.(M)			2.765			0.478			2.003			3.423			2.033			1.225		
C.D. (10%)			6.7			1.2			4.8			8.3			4.9			3.0		
C.V.			9.9			2.1			8.5			8.1			7.2			4.6		
D.O.S.(dd.mm.yy)			20.12.19			19.12.19			19.12.19			21.12.19			19.12.19			15.12.19		

1904-NIVT-3A-IR-LS-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	K1907	N-401	46.5	26	0	42.9	18	0	44.7	21	0
2	HD3361	N-402	45.0	28	0	35.9	35	0	40.4	34	0
3	DBW335	N-403	47.6	20	0	43.4	16	0	45.5	20	0
4	HD3362	N-404	48.5	16	0	43.7	14	0	46.1	16	0
5	WH1278	N-405	53.0	5	0	42.8	19	0	47.9	5	0
6	UP3065	N-407	49.3	14	0	42.2	20	0	45.7	18	0
7	NW7092	N-408	39.3	36	0	35.1	36	0	37.2	36	0
8	HD3363	N-409	48.0	18	0	40.8	25	0	44.4	23	0
9	PBW836	N-410	47.5	21	0	40.9	24	0	44.2	24	0
10	DBW317	N-411	44.6	29	0	47.0	3	1	45.8	17	0
11	K1908	N-412	49.8	10	0	43.7	12	0	46.8	12	0
12	HD3364	N-413	46.6	24	0	39.7	27	0	43.1	26	0
13	PBW834	N-414	55.9	1	1	46.7	5	1	51.3	1	1
14	HUW842	N-415	49.4	11	0	37.9	33	0	43.7	25	0
15	UP3059	N-416	46.6	23	0	38.9	31	0	42.7	28	0
16	Raj4552	N-417	50.7	8	0	43.2	17	0	46.9	9	0
17	HD3360	N-418	46.5	25	0	47.2	1	1	46.9	11	0
18	UP3061	N-419	44.0	31	0	37.9	32	0	41.0	32	0
19	HD3365	N-420	44.5	30	0	44.4	10	0	44.5	22	0
20	WH1276	N-421	51.2	7	0	41.6	21	0	46.4	14	0
21	Raj4554	N-422	39.8	35	0	41.0	23	0	40.4	35	0
22	UP3060	N-423	54.3	2	1	47.0	4	1	50.6	2	1
23	PBW833	N-425	48.7	15	0	45.9	7	1	47.3	8	0
24	DBW316	N-426	50.7	9	0	46.5	6	1	48.6	4	0
25	NW8000	N-429	42.8	32	0	39.9	26	0	41.3	31	0
26	PBW835	N-430	49.4	12	0	45.8	8	1	47.6	7	0
27	Raj4553	N-431	42.6	33	0	39.1	30	0	40.8	33	0
28	JKW278	N-432	45.8	27	0	39.3	29	0	42.5	29	0
29	WH1277	N-433	47.4	22	0	36.8	34	0	42.1	30	0
30	DBW318	N-434	53.3	4	0	44.8	9	0	49.0	3	0
31	DBW319	N-435	48.3	17	0	47.1	2	1	47.7	6	0
32	JKW270	N-436	52.6	6	0	41.3	22	0	46.9	10	0
33	DBW173 (C)	N-406	53.4	3	0	39.4	28	0	46.4	15	0
34	HI1563 (C)	N-424	42.1	34	0	43.6	15	0	42.8	27	0
35	HD3059 (C)	N-427	49.4	13	0	43.7	13	0	46.6	13	0
36	DBW107 (C)	N-428	47.6	19	0	43.8	11	0	45.7	19	0
G.M.			47.8			42.2			45.0		
S.E.(M)			1.014			0.699			0.616		
C.D. (10%)			2.4			1.6			1.4		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-3A-IR-LS-TAS, 2019-20

SN	Variety	Code	Disease Reactions				Agronomic Characteristics								Grain Characteristics			
			YI	ACI	Br	PM	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	K1907	N-401	60S	20.8	20S	3	71-88	82	114-134	122	75-110	93	35	Ey	A	H	24-42	35
2	HD3361	N-402	20S	9.2	10S	6	78-92	86	115-134	125	83-110	99	0	Ey	A	SH	32-46	40
3	DBW335	N-403	20S	10.0	5S	2	74-97	85	115-135	125	85-107	95	15	Ey	A	H	34-44	40
4	HD3362	N-404	40S	11.7	20S	2	77-90	83	115-135	124	88-105	96	0	Ey	A	H	28-47	38
5	WH1278	N-405	5S	1.2	0	2	76-90	84	114-136	123	74-103	92	20	Ey	A	H	38-49	43
6	UP3065	N-407	10S	5.3	tMR	4	79-100	87	115-138	125	80-99	90	5	Ey	A	H	31-49	39
7	NW7092	N-408	60S	28.3	60S	4	77-95	85	114-134	123	90-115	101	15	Ey	A	H	27-40	35
8	HD3363	N-409	20S	7.5	10S	3	78-91	85	114-135	126	97-112	104	10	Ey	A	SH	34-42	38
9	PBW836	N-410	40S	13.3	0	4	74-91	84	114-134	123	80-97	89	20	Ey	A	H	30-44	39
10	DBW317	N-411	20S	6.7	20S	4	78-89	84	114-135	124	90-105	98	20	Ey	A	SH	31-49	43
11	K1908	N-412	60S	19.7	10S	3	78-90	84	115-132	124	80-99	93	15	Ey	A	H	38-51	45
12	HD3364	N-413	20S	6.0	0	5	76-102	87	118-140	128	92-107	97	20	Ey	A	H	29-43	36
13	PBW834	N-414	5S	4.0	0	6	72-89	81	114-135	124	90-106	99	5	Ey	A	SH	28-47	41
14	HUW842	N-415	40S	13.5	10S	4	76-90	83	112-134	123	77-104	94	5	Ey	A	H	32-46	40
15	UP3059	N-416	20S	5.8	40S	2	80-99	88	113-137	126	85-110	97	25	Ey	A	H	32-44	38
16	Raj4552	N-417	40S	11.7	40S	5	76-99	85	114-135	124	80-102	92	0	Ey	A	H	35-46	41
17	HD3360	N-418	60S	24.2	40S	3	78-97	85	114-133	123	85-104	95	5	Ey	A	SH	30-40	37
18	UP3061	N-419	40S	10.8	20S	3	80-104	90	116-138	126	86-110	96	30	Ey	A	SH	27-39	34
19	HD3365	N-420	40S	20.8	10S	2	76-88	83	113-134	124	85-110	96	10	Ey	A	SH	27-44	38
20	WH1276	N-421	20S	4.8	0	3	78-100	87	114-135	125	85-112	101	15	Ey	A	H	38-45	42
21	Raj4554	N-422	40S	16.7	20S	2	79-95	87	116-135	125	75-106	94	20	Ey	A	H	24-43	35
22	UP3060	N-423	40S	11.2	20S	2	78-102	87	114-136	125	88-105	100	10	Ey	A	H	39-49	44
23	PBW833	N-425	40S	14.2	5S	4	78-90	85	116-135	125	80-107	93	10	Ey	A	H	30-42	37
24	DBW316	N-426	10S	2.5	5mS	3	74-92	85	114-137	125	75-103	92	15	Ey	A	SH	36-49	42
25	NW8000	N-429	60S	22.5	10S	3	74-92	84	114-136	125	77-105	92	15	Ey	A	H	30-41	37
26	PBW835	N-430	20S	4.5	0	5	76-92	85	116-135	125	75-102	94	10	Ey	A	H	34-44	38
27	Raj4553	N-431	60S	31.7	20S	4	77-91	84	114-135	124	79-101	91	15	Ey	A	H	26-42	36
28	JKW278	N-432	40S	10.0	10S	4	77-92	84	114-134	124	96-110	101	15	Ey	A	H	25-42	36
29	WH1277	N-433	40S	11.7	tMR	3	79-102	88	115-134	125	88-105	95	20	Ey	A	SH	28-39	35
30	DBW318	N-434	10S	3.3	20S	3	77-98	86	115-137	125	85-100	92	5	Ey	A	H	39-46	42
31	DBW319	N-435	60S	31.7	20S	4	78-91	84	114-135	124	95-111	105	20	Ey	A	H	34-46	40
32	JKW270	N-436	20S	11.0	10S	6	75-91	84	115-138	125	88-108	99	30	Ey	A	H	37-48	42
33	DBW173 (C)	N-406	20S	7.7	5S	4	77-93	86	115-135	126	94-110	99	10	Ey	A	H	32-46	39
34	HI1563 (C)	N-424	80S	39.2	0	4	71-89	82	114-133	125	82-105	95	10	Ey	A	H	27-42	36
35	HD3059 (C)	N-427	40S	17.5	5S	6	77-102	87	117-137	126	85-106	97	10	Ey	A	H	29-44	38
36	DBW107 (C)	N-428	60S	27.2	10S	4	75-90	83	114-135	123	75-104	89	0	Ey	A	H	32-46	39

1. Ancillary data from Delhi, Ludhiana, Gurdaspur, Hisar, Karnal, Durgapura, Modipuram, Bulandshahr and Pantnagar. Lodging data from Karnal, Delhi, Gurdaspur and Bulandshahr.

2. Brown rust data from Ludhiana and Pantnagar; Yellow rust data from Hisar, Delhi, Gurdaspur, Karnal, Ludhiana and Pantnagar; 3. Powdery mildew data from Karnal, only

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North Western Plains Zone
Individual Station Yellow Rust Data

SN	Variety	Code	Pantnagar	Hisar	Ludhiana	Gurdaspur	Delhi	Karnal
1	K1907	N-401	5S	5S	60S	10S	5S	40S
2	HD3361	N-402	0	0	20S	10S	5S	20S
3	DBW335	N-403	0	0	20S	20S	0	20S
4	HD3362	N-404	0	0	40S	20S	0	10S
5	WH1278	N-405	0	0	0	5MR	0	5S
6	UP3065	N-407	5S	10S	5MR	10S	0	5S
7	NW7092	N-408	10S	10S	60S	10S	20S	60S
8	HD3363	N-409	0	0	20S	5S	0	20S
9	PBW836	N-410	0	0	20S	40S	0	20S
10	DBW317	N-411	0	0	20S	10S	0	10S
11	K1908	N-412	0	0	40S	10S	10MS	60S
12	HD3364	N-413	tS	5S	5S	5S	0	20S
13	PBW834	N-414	tS	5S	10MS	5S	0	5S
14	HUW842	N-415	tS	0	40S	20S	0	20S
15	UP3059	N-416	0	0	20S	10S	0	5S
16	Raj4552	N-417	0	0	40S	10S	0	20S
17	HD3360	N-418	5S	10S	60S	20S	10S	40S
18	UP3061	N-419	0	0	40S	5S	0	20S
19	HD3365	N-420	10S	10S	40S	20S	5S	40S
20	WH1276	N-421	0	5MR	20S	5MR	0	5S
21	Raj4554	N-422	5S	10S	40S	5S	0	40S
22	UP3060	N-423	0	0	20S	5MR	5S	40S
23	PBW833	N-425	0	0	40S	20S	5S	20S
24	DBW316	N-426	0	0	10S	tR	0	5S
25	NW8000	N-429	5S	5S	60S	20S	5S	40S
26	PBW835	N-430	0	0	5MR	5S	0	20S
27	Raj4553	N-431	5S	5S	60S	40S	20S	60S
28	JKW278	N-432	0	0	40S	10S	0	10S
29	WH1277	N-433	5S	5S	40S	tR	0	20S
30	DBW318	N-434	0	0	10S	0	10S	0
31	DBW319	N-435	10S	10S	60S	60S	10S	40S
32	JKW270	N-436	tS	5S	20S	20S	0	20S
33	DBW173 (C)	N-406	5MS	5MR	20S	10S	0	10S
34	HI1563 (C)	N-424	10S	10S	80S	60S	15S	60S
35	HD3059 (C)	N-427	5S	10S	40S	10S	0	40S
36	DBW107 (C)	N-428	5S	10S	40S	40S	10MS	60S

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: NIVT-3A-IR-LS-TAS, 2019-20

SN	Variety	Code	Disease Reaction			Agronomic Characteristics								Grain Characteristics			
			Br	ACI	LB (HS, Av)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1	K1907	N-401	20S	5.0	68(24)	64-74	69	101-125	110	87-99	91	5	Ey	A	SH	32-46	38
2	HD3361	N-402	20S	12.5	68(24)	62-79	73	102-126	111	90-102	96	20	Ey	A	SH	30-46	37
3	DBW335	N-403	30S	14.5	35(23)	57-76	69	101-131	113	80-97	90	0	Ey	A	SH	36-45	40
4	HD3362	N-404	20S	6.0	68(36)	64-78	72	103-118	110	80-100	92	0	Ey	A	H	35-47	41
5	WH1278	N-405	10S	2.5	46(24)	60-77	72	101-125	111	83-96	90	0	Ey	A	SH	25-48	39
6	UP3065	N-407	0	0.0	57(23)	62-79	73	101-131	112	80-93	86	0	Ey	A	SH	32-48	41
7	NW7092	N-408	20S	7.5	68(35)	61-80	72	98-126	110	85-102	94	5	Ey	A	SH	32-44	39
8	HD3363	N-409	20S	10.0	35(24)	70-78	73	103-116	111	93-107	100	10	Ey	A	SH	34-42	37
9	PBW836	N-410	40S	12.5	57(34)	62-74	68	101-130	110	82-95	87	0	Ey	A	H	31-47	38
10	DBW317	N-411	30S	14.5	35(24)	70-77	72	102-125	112	88-109	98	0	Ey	A	SH	33-48	41
11	K1908	N-412	20S	5.0	68(35)	64-75	71	103-124	111	86-103	94	0	Ey	A	SH	29-53	42
12	HD3364	N-413	10S	5.0	68(35)	63-78	70	100-125	112	82-101	93	10	Ey	A	SH	30-45	37
13	PBW834	N-414	10S	3.75	57(24)	57-72	66	101-124	111	82-104	93	5	Ey	A	SH	35-47	41
14	HUW842	N-415	20S	5.0	68(34)	64-76	71	103-129	111	78-97	89	0	Ey	A	H	34-51	41
15	UP3059	N-416	0	0.0	46(23)	64-81	76	103-129	113	86-103	94	5	Ey	A	SH	32-46	39
16	Raj4552	N-417	30S	17.5	45(24)	64-75	69	101-118	109	77-98	89	0	Ey	A	SH	32-47	40
17	HD3360	N-418	40S	17.0	35(23)	64-75	71	102-124	111	80-101	90	0	Ey	A	SH	36-45	40
18	UP3061	N-419	40S	15.0	68(24)	65-81	76	105-131	114	80-99	90	30	Ey	A	SH	30-52	39
19	HD3365	N-420	30S	12.5	68(35)	60-73	69	99-130	110	84-100	94	0	Ey	A	SH	32-44	39
20	WH1276	N-421	40S	13.8	46(23)	67-78	73	104-122	112	91-102	97	0	Ey	A	SH	34-44	39
21	Raj4554	N-422	20S	11.3	46(23)	60-79	73	101-119	112	81-102	93	0	Ey	A	SH	32-44	38
22	UP3060	N-423	20S	7.5	57(23)	63-79	72	103-119	111	80-101	92	0	Ey	A	SH	32-51	41
23	PBW833	N-425	30S	12.5	24(13)	64-80	74	103-124	112	82-101	91	0	Ey	A	H	33-47	38
24	DBW316	N-426	0	0.0	45(24)	60-78	71	100-131	112	73-98	88	5	Ey	A	SH	34-53	40
25	NW8000	N-429	20S	5.0	35(23)	62-77	70	101-128	112	84-95	90	0	Ey	A	SH	33-51	40
26	PBW835	N-430	40S*	10.0	68(34)	62-74	70	105-131	113	82-102	91	0	Ey	A	H	34-48	39
27	Raj4553	N-431	20S	6.0	68(35)	64-79	72	104-119	110	82-99	92	15	Ey	A	SH	32-40	36
28	JKW278	N-432	20S	10.0	57(34)	60-75	70	99-115	108	84-95	90	0	Ey	A	H	32-48	39
29	WH1277	N-433	40S*	10.0	68(24)	62-78	73	101-116	110	81-100	92	25	Ey	A	SH	30-40	36
30	DBW318	N-434	40S*	10.0	57(24)	62-77	70	102-118	110	83-94	89	0	Ey	A	SH	35-45	39
31	DBW319	N-435	5S	1.25	35(23)	64-80	71	101-119	111	88-106	97	5	Ey	A	SH	35-48	41
32	JKW270	N-436	20S	6.25	57(34)	66-76	71	102-131	112	82-102	94	0	Ey	A	SH	30-48	39
33	DBW173 (C)	N-406	10S	2.5	68(24)	62-79	73	102-130	113	83-105	94	0	Ey	A	H	32-48	39
34	HI1563 (C)	N-424	10S	5.0	79(35)	58-73	66	101-119	111	80-99	91	0	Ey	A	SH	34-47	39
35	HD3059 (C)	N-427	10S	3.75	46(34)	68-78	73	102-125	113	78-100	90	0	Ey	A	SH	33-48	40
36	DBW107 (C)	N-428	60S	22.0	46(24)	66-73	69	102-126	111	70-93	86	0	Ey	A	SH	34-52	39

1. Ancillary data from Kanpur, Faizabad, Varanasi, Pusa, RPCAU Pusa, Ranchi, Sabour, Kalyani, Shillongani and Coochbehar

2. Leaf blight data from Shillongani, Coochbehar, Faizabad, Ranchi, Sabour, Kalyani; and Brown rust data from Kanpur, Sabour, Ranchi and Coochbehar

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North Eastern Plains Zone
Individual Station Disease Data

SN	Variety	Code	Leaf Blight						Brown Rust			
			Shillongani	Kalyani	Faizabad	Coochbehar	Ranchi	Sabour	Kanpur	Sabour	Ranchi	Coochbehar
1	K1907	N-401	12	13	12	34	03	68	20S	0	0	0
2	HD3361	N-402	12	12	25	23	02	68	20S	20S	10S	0
3	DBW335	N-403	12	23	24	23	12	35	20S	30S	0	10MS
4	HD3362	N-404	13	13	36	34	13	68	10MR	20S	0	0
5	WH1278	N-405	02	24	45	23	03	46	10S	0	0	0
6	UP3065	N-407	01	12	24	23	13	57	0	0	0	0
7	NW7092	N-408	24	24	25	34	14	68	0	20S	10S	0
8	HD3363	N-409	25	23	23	34	13	35	20S	20S	0	0
9	PBW836	N-410	13	02	36	45	23	57	40S	0	10S	0
10	DBW317	N-411	13	13	35	23	13	35	20S	30S	0	10MS
11	K1908	N-412	12	24	46	45	14	68	20S	0	0	0
12	HD3364	N-413	24	13	56	45	03	68	10S	0	10S	0
13	PBW834	N-414	13	23	23	45	02	57	10S	0	5S	0
14	HUW842	N-415	12	24	24	23	24	68	0	0	20S	0
15	UP3059	N-416	13	12	12	34	13	46	0	0	0	0
16	Raj4552	N-417	12	13	24	45	14	35	20S	30S	20S	0
17	HD3360	N-418	24	02	23	34	02	35	40S	20S	0	10MS
18	UP3061	N-419	25	01	35	23	13	68	40S	20S	0	0
19	HD3365	N-420	25	12	36	34	23	68	20S	30S	0	0
20	WH1276	N-421	01	00	24	34	24	46	40S	0	15S	0
21	Raj4554	N-422	01	00	12	34	14	46	20S	20S	5S	0
22	UP3060	N-423	01	00	12	34	25	57	20S	0	10S	0
23	PBW833	N-425	12	12	24	12	03	23	10S	30S	10S	0
24	DBW316	N-426	12	23	36	45	02	35	0	0	0	0
25	NW8000	N-429	12	00	23	34	13	35	0	20S	0	0
26	PBW835	N-430	35	00	22	34	23	68	40S	0	0	0
27	Raj4553	N-431	36	12	12	45	24	68	10MR	20S	0	0
28	JKW278	N-432	12	23	12	45	23	57	20S	20S	0	0
29	WH1277	N-433	12	00	35	23	13	68	40S	0	0	0
30	DBW318	N-434	25	00	24	23	12	57	40S	0	0	0
31	DBW319	N-435	24	12	23	23	12	35	0	0	5S	0
32	JKW270	N-436	12	24	46	34	03	57	20S	0	5S	0
33	DBW173 (C)	N-406	25	13	23	12	13	68	0	0	10S	0
34	H11563 (C)	N-424	24	13	23	45	13	79	10S	0	10S	0
35	HD3059 (C)	N-427	24	24	45	34	03	46	10S	0	5S	0
36	DBW107 (C)	N-428	12	12	46	34	03	34	60S	20S	0	10MS