

2004-NIVT-3A-IR-LS-TAS-NAT-ZONE, 2020-21

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ																	
			Delhi			J&K			Punjab				Haryana							
			Delhi			Jammu			Ludhiana		Gurdaspur		Hisar		Karnal					
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	BRW3897	N401	55.1	14	0	41.0	19	0	58.0	5	1	49.5	19	0	40.0	29	0	66.9	13	0
2	NW8004	N402	54.7	16	0	42.6	16	0	52.5	19	1	50.9	12	1	47.0	7	0	69.3	8	0
3	PBW858	N403	49.7	27	0	43.0	14	0	48.3	27	0	43.4	30	0	46.3	11	0	68.0	9	0
4	RAJ4561	N404	39.0	35	0	32.6	32	0	43.8	32	0	50.3	15	0	37.9	31	0	51.2	34	0
5	K2007	N405	46.7	32	0	29.1	36	0	48.8	25	0	49.0	22	0	34.8	35	0	59.4	26	0
6	HD3395	N406	54.4	17	0	51.9	2	1	57.2	7	1	46.0	27	0	45.6	14	0	65.8	15	0
7	HD3394	N407	61.0	5	1	30.9	35	0	57.1	8	1	52.0	8	1	40.1	28	0	63.1	18	0
8	UP3087	N408	50.2	25	0	48.0	5	0	50.8	21	0	55.4	2	1	41.5	25	0	63.9	17	0
9	UP3089	N409	43.5	34	0	32.2	33	0	35.3	35	0	37.3	36	0	36.2	34	0	51.7	33	0
10	PBW875	N410	64.1	1	1	38.4	24	0	60.4	1	1	52.9	6	1	47.0	8	0	65.1	16	0
11	DBW357	N411	43.7	33	0	42.8	15	0	46.5	29	0	40.4	34	0	41.8	22	0	62.1	20	0
12	DBW353	N413	57.0	9	0	44.4	11	0	56.6	9	1	53.9	3	1	52.5	2	1	78.0	1	1
13	JKW285	N414	47.1	31	0	50.2	4	1	48.7	26	0	51.1	10	1	50.1	4	1	51.7	32	0
14	UP3094	N415	49.7	28	0	31.3	34	0	49.6	22	0	53.5	5	1	44.6	17	0	57.1	30	0
15	WH1298	N416	55.0	15	0	47.1	6	0	54.8	12	1	49.3	20	0	53.2	1	1	59.1	27	0
16	DBW355	N417	50.8	23	0	32.7	31	0	45.8	30	0	48.1	26	0	36.2	33	0	60.5	25	0
17	NW8022	N418	52.6	21	0	41.4	18	0	49.2	23	0	43.3	31	0	41.0	26	0	65.8	14	0
18	RAJ4562	N419	49.0	29	0	52.5	1	1	43.4	33	0	48.8	23	0	41.0	27	0	63.0	19	0
19	PBW861	N420	50.1	26	0	38.3	26	0	51.2	20	0	51.2	9	1	34.8	36	0	50.5	36	0
20	WH1300	N421	53.3	19	0	44.4	11	0	55.6	11	1	50.7	13	0	37.1	32	0	58.1	29	0
21	DBW356	N422	58.2	6	0	38.4	24	0	53.7	14	1	50.0	17	0	47.7	6	1	67.8	11	0
22	PBW862	N423	51.5	22	0	42.1	17	0	53.2	15	1	51.0	11	1	43.2	19	0	61.9	21	0
23	PBW859	N425	57.0	10	0	40.3	21	0	52.8	17	1	50.2	16	0	44.9	16	0	67.9	10	0
24	HD3392	N426	57.6	8	0	51.1	3	1	58.4	3	1	53.7	4	1	41.7	23	0	71.7	6	1
25	PBW860	N427	56.5	12	0	44.5	9	0	52.9	16	1	45.3	28	0	38.6	30	0	60.8	24	0
26	HUW847	N428	58.1	7	0	43.1	13	0	45.4	31	0	50.3	14	0	41.7	24	0	61.6	22	0
27	RAJ4563	N429	52.9	20	0	44.6	8	0	39.1	34	0	48.6	25	0	44.2	18	0	58.2	28	0
28	DBW354	N430	61.5	2	1	37.3	27	0	58.5	2	1	44.9	29	0	46.2	12	0	67.2	12	0
29	HD3396	N431	50.7	24	0	40.9	20	0	57.7	6	1	49.1	21	0	46.2	13	0	74.5	2	1
30	HD3393	N433	61.4	4	1	44.5	9	0	55.9	10	1	41.4	33	0	42.4	20	0	73.0	3	1
31	UP3088	N434	38.2	36	0	34.2	29	0	49.1	24	0	38.6	35	0	45.5	15	0	52.0	31	0
32	WH1299	N436	57.0	11	0	40.3	21	0	52.8	17	1	55.7	1	1	51.6	3	1	71.8	5	1
33	DBW173 (C)	N412	56.3	13	0	33.6	30	0	54.8	12	1	49.7	18	0	46.3	10	0	69.5	7	0
34	DBW107 (C)	N424	54.1	18	0	36.7	28	0	47.8	28	0	52.1	7	1	42.4	21	0	60.8	23	0
35	HI1563 (C)	N432	48.3	30	0	44.7	7	0	34.7	36	0	41.9	32	0	46.4	9	0	51.1	35	0
36	HD3059 (C)	N435	61.5	3	1	39.3	23	0	58.3	4	1	48.8	24	0	48.9	5	1	72.9	4	1
G.M.			53.0			40.8			51.1			48.6			43.5			63.1		
S.E.(M)			2.427			1.584			3.304			2.038			2.452			3.001		
C.D. (10%)			5.8			3.8			7.9			4.9			5.9			7.2		
C.V.			6.5			5.5			9.1			5.9			8.0			6.7		
D.O.S.(dd.mm.yy)			16.12.20			20.12.20			10.12.20			16.12.20			13.12.20			10.12.20		

No. of Trials : Proposed = 19 Conducted = 19
Trials not reported (01) = Varanasi (LSM)

2004-NIVT-3A-IR-LS-TAS-NAT-ZONE, 2020-21
LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NWPZ						NEPZ											
			UTK			Rajasthan			U.P.											
			Pantnagar			Durgapura			Bulandshahr			Modipuram			Kanpur			Ayodhya		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1	BRW3897	N401	57.5	7	1	40.1	29	0	49.9	29	0	43.3	36	0	44.5	16	0	44.2	11	0
2	NW8004	N402	40.4	35	0	49.0	15	0	55.1	12	1	47.3	27	0	43.8	18	0	39.0	24	0
3	PBW858	N403	59.0	4	1	53.9	9	0	44.6	34	0	55.6	8	0	43.2	19	0	39.4	23	0
4	RAJ4561	N404	49.7	19	0	37.1	35	0	43.9	36	0	49.7	22	0	38.6	32	0	31.8	33	0
5	K2007	N405	45.0	26	0	45.9	20	0	48.5	31	0	46.7	29	0	50.7	6	1	47.9	3	1
6	HD3395	N406	58.2	5	1	50.1	13	0	47.3	33	0	53.7	13	0	39.8	27	0	35.2	31	0
7	HD3394	N407	47.3	23	0	46.7	18	0	55.3	11	1	65.8	1	1	53.4	1	1	43.4	12	0
8	UP3087	N408	41.0	34	0	53.5	11	0	58.1	2	1	57.1	5	0	38.1	33	0	40.8	17	0
9	UP3089	N409	52.1	15	0	32.3	36	0	50.6	26	0	44.7	33	0	35.3	34	0	29.2	34	0
10	PBW875	N410	59.9	2	1	38.9	34	0	52.8	21	0	54.1	11	0	42.8	22	0	42.4	14	0
11	DBW357	N411	59.7	3	1	48.1	16	0	56.9	3	1	49.4	23	0	40.1	26	0	45.2	8	1
12	DBW353	N413	54.6	13	0	60.0	5	0	53.0	20	0	63.6	3	1	51.1	3	1	47.0	4	1
13	JKW285	N414	44.3	29	0	53.6	10	0	49.9	28	0	43.5	35	0	46.7	14	0	40.2	20	0
14	UP3094	N415	44.8	27	0	46.0	19	0	44.6	35	0	64.0	2	1	38.6	31	0	36.9	27	0
15	WH1298	N416	48.5	22	0	64.7	1	1	55.1	13	1	55.8	7	0	43.0	20	0	36.3	29	0
16	DBW355	N417	45.2	25	0	49.4	14	0	48.6	30	0	52.4	17	0	40.5	24	0	39.9	22	0
17	NW8022	N418	49.4	20	0	41.8	25	0	53.3	19	0	53.5	14	0	43.0	21	0	46.1	5	1
18	RAJ4562	N419	53.4	14	0	44.3	22	0	55.3	10	1	47.5	26	0	46.1	15	0	37.1	26	0
19	PBW861	N420	43.9	30	0	39.8	33	0	50.4	27	0	52.5	16	0	39.4	28	0	24.7	36	0
20	WH1300	N421	55.8	10	0	53.1	12	0	54.0	18	1	50.2	20	0	47.9	13	0	34.8	32	0
21	DBW356	N422	55.7	12	0	59.6	6	0	55.4	9	1	50.5	19	0	50.3	9	1	44.4	10	0
22	PBW862	N423	51.3	16	0	45.9	21	0	54.3	17	1	46.4	30	0	38.8	29	0	36.7	28	0
23	PBW859	N425	42.8	32	0	56.5	7	0	55.8	7	1	52.1	18	0	34.9	35	0	45.3	7	1
24	HD3392	N426	60.9	1	1	54.9	8	0	56.2	6	1	45.0	32	0	50.5	7	1	42.5	13	0
25	PBW860	N427	44.5	28	0	40.6	27	0	58.6	1	1	49.9	21	0	41.1	23	0	38.5	25	0
26	HUW847	N428	55.7	11	0	40.0	30	0	54.6	14	1	44.1	34	0	40.3	25	0	45.5	6	1
27	RAJ4563	N429	57.9	6	1	62.9	3	1	51.2	24	0	47.3	27	0	38.7	30	0	40.3	18	0
28	DBW354	N430	43.3	31	0	40.0	31	0	55.5	8	1	61.7	4	1	50.1	10	1	50.0	1	1
29	HD3396	N431	49.8	18	0	40.8	26	0	47.6	32	0	48.8	24	0	50.5	8	1	44.8	9	1
30	HD3393	N433	48.9	21	0	61.2	4	1	52.7	23	0	56.1	6	0	51.1	4	1	35.7	30	0
31	UP3088	N434	47.0	24	0	40.5	28	0	51.1	25	0	54.1	12	0	34.7	36	0	40.2	19	0
32	WH1299	N436	56.6	8	0	42.2	23	0	54.4	15	1	55.4	9	0	49.8	11	1	29.0	35	0
33	DBW173 (C)	N412	51.2	17	0	47.7	17	0	54.4	16	1	53.3	15	0	50.9	5	1	40.1	21	0
34	DBW107 (C)	N424	41.1	33	0	39.8	32	0	52.7	22	0	54.2	10	0	52.6	2	1	42.3	15	0
35	HI1563 (C)	N432	56.5	9	0	41.9	24	0	56.8	4	1	47.8	25	0	44.5	17	0	41.9	16	0
36	HD3059 (C)	N435	40.3	36	0	63.0	2	1	56.3	5	1	45.4	31	0	48.2	12	0	49.7	2	1
G.M.			50.4			47.9			52.6			51.7			44.3			40.2		
S.E.(M)			1.666			1.496			2.140			2.105			2.080			2.192		
C.D. (10%)			4.0			3.6			5.1			5.0			5.0			5.3		
C.V.			4.7			4.4			5.7			5.8			6.6			7.7		
D.O.S.(dd.mm.yy)			23.12.20			15.12.20			10.12.20			14.12.20			23.12.20			20.12.20		

2004-NIVT-3A-IR-LS-TAS-NAT-ZONE, 2020-21

LOCATIONWISE MEAN YIELD (q/ha)

SN	Variety	Code	NEPZ																	
			Bihar			Jharkhand			West Bengal			Assam								
			Sabour		IARI-Pusa		Ranchi		Kalyani		Coochbehar		Shillongani							
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G			
1	BRW3897	N401	31.6	31	0	40.0	9	0	44.8	7	1	45.5	11	0	39.9	13	1	23.9	33	0
2	NW8004	N402	38.7	9	0	41.1	7	0	41.7	13	0	47.8	7	1	30.1	34	0	25.5	28	0
3	PBW858	N403	40.9	3	0	43.3	4	0	35.5	27	0	45.5	12	0	41.3	7	1	45.1	1	1
4	RAJ4561	N404	37.0	14	0	27.3	35	0	43.2	9	1	40.1	31	0	35.0	24	0	25.5	28	0
5	K2007	N405	33.1	29	0	35.1	22	0	27.0	34	0	42.4	21	0	31.1	32	0	37.4	7	0
6	HD3395	N406	38.2	11	0	39.2	13	0	38.6	22	0	50.2	2	1	34.1	27	0	29.7	22	0
7	HD3394	N407	35.5	24	0	38.9	16	0	47.8	2	1	46.3	8	1	40.9	9	1	21.6	36	0
8	UP3087	N408	40.1	4	0	41.4	5	0	43.2	9	1	42.4	21	0	42.3	5	1	23.1	34	0
9	UP3089	N409	32.2	30	0	25.1	36	0	28.5	32	0	44.0	18	0	21.6	36	0	25.5	28	0
10	PBW875	N410	27.8	34	0	35.1	22	0	37.0	25	0	43.2	19	0	35.5	22	0	27.8	26	0
11	DBW357	N411	36.3	20	0	39.6	11	0	44.8	7	1	36.3	35	0	35.3	23	0	31.3	17	0
12	DBW353	N413	37.1	13	0	32.6	28	0	43.2	9	1	49.4	4	1	38.7	15	0	34.3	12	0
13	JKW285	N414	39.4	7	0	34.4	26	0	50.2	1	1	46.3	8	1	31.4	31	0	29.7	22	0
14	UP3094	N415	36.9	17	0	32.1	30	0	38.6	22	0	44.8	15	0	36.2	19	0	30.9	20	0
15	WH1298	N416	38.7	10	0	34.8	24	0	47.8	2	1	43.2	19	0	41.8	6	1	24.3	31	0
16	DBW355	N417	36.2	21	0	37.0	20	0	34.0	28	0	49.4	5	1	42.9	4	1	28.2	24	0
17	NW8022	N418	35.4	25	0	38.4	17	0	38.6	22	0	45.5	12	0	35.8	21	0	32.0	16	0
18	RAJ4562	N419	36.5	19	0	34.5	25	0	43.2	9	1	48.6	6	1	44.8	2	1	39.0	4	0
19	PBW861	N420	36.0	22	0	33.1	27	0	30.1	31	0	42.4	21	0	37.7	17	0	35.1	10	0
20	WH1300	N421	40.0	5	0	38.0	18	0	38.6	18	0	40.1	31	0	32.8	30	0	42.1	2	1
21	DBW356	N422	37.0	15	0	39.0	15	0	28.5	32	0	40.1	31	0	28.9	35	0	30.1	21	0
22	PBW862	N423	35.7	23	0	27.5	33	0	40.9	15	0	40.9	27	0	33.3	29	0	22.4	35	0
23	PBW859	N425	31.3	32	0	37.5	19	0	39.4	16	0	44.8	15	0	30.9	33	0	37.4	7	0
24	HD3392	N426	46.3	1	1	35.2	21	0	46.3	4	1	44.8	14	0	36.1	20	0	34.3	12	0
25	PBW860	N427	27.7	35	0	46.8	2	1	44.8	6	1	41.7	24	0	40.2	11	1	34.0	15	0
26	HUW847	N428	45.6	2	1	39.6	11	0	22.4	35	0	50.2	2	1	38.1	16	0	34.7	11	0
27	RAJ4563	N429	25.8	36	0	46.4	3	0	30.9	30	0	40.9	27	0	41.1	8	1	38.2	6	0
28	DBW354	N430	37.6	12	0	27.5	33	0	38.6	18	0	41.7	24	0	37.5	18	0	34.3	12	0
29	HD3396	N431	34.3	28	0	48.0	1	1	46.3	4	1	44.8	15	0	45.4	1	1	37.0	9	0
30	HD3393	N433	35.1	26	0	41.4	5	0	37.0	25	0	41.7	24	0	34.7	25	0	31.3	17	0
31	UP3088	N434	39.9	6	0	28.4	32	0	16.2	36	0	46.3	8	1	33.6	28	0	24.3	31	0
32	WH1299	N436	36.9	16	0	32.6	28	0	33.2	29	0	40.1	31	0	38.8	14	0	39.0	4	0
33	DBW173 (C)	N412	31.2	33	0	40.3	8	0	41.7	13	0	50.9	1	1	34.5	26	0	31.3	17	0
34	DBW107 (C)	N424	36.7	18	0	39.2	13	0	38.6	18	0	40.9	27	0	44.8	3	1	25.8	27	0
35	HI1563 (C)	N432	34.7	27	0	31.8	31	0	38.6	18	0	36.3	35	0	40.1	12	1	39.4	3	0
36	HD3059 (C)	N435	38.9	8	0	40.0	9	0	39.4	16	0	40.9	27	0	40.5	10	1	28.2	24	0
G.M.			36.2			36.7			38.3			43.9			36.9			31.5		
S.E.(M)			1.667			0.646			3.305			2.097			2.676			2.112		
C.D. (10%)			4.0			1.5			7.9			5.0			6.4			5.0		
C.V.			6.5			2.5			12.2			6.8			10.3			9.5		
D.O.S.(dd.mm.yy)			18.12.20			22.12.20			22.12.20			17.12.20			15.12.20			16.12.20		

2004-NIVT-3A-IR-LS-TAS-NAT-ZONE, 2020-21

ZONAL AND NATIONAL MEANS (q/ha)

SN	Variety	Code	NWPZ			NEPZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1	BRW3897	N401	50.1	20	0	39.3	15	0	45.3	20	0
2	NW8004	N402	50.9	17	0	38.5	22	0	45.4	19	0
3	PBW858	N403	51.2	16	0	41.8	3	0	47.0	7	0
4	RAJ4561	N404	43.5	35	0	34.8	33	0	39.6	35	0
5	K2007	N405	45.4	33	0	38.1	25	0	42.1	32	0
6	HD3395	N406	53.0	9	0	38.1	24	0	46.4	12	0
7	HD3394	N407	51.9	12	0	41.0	6	0	47.1	6	0
8	UP3087	N408	52.0	11	0	38.9	17	0	46.2	14	0
9	UP3089	N409	41.6	36	0	30.2	36	0	36.5	36	0
10	PBW875	N410	53.4	8	0	36.4	31	0	45.8	17	0
11	DBW357	N411	49.1	26	0	38.6	19	0	44.4	27	0
12	DBW353	N413	57.4	1	1	41.7	4	0	50.4	1	1
13	JKW285	N414	49.0	27	0	39.8	10	0	44.9	23	0
14	UP3094	N415	48.5	28	0	36.9	30	0	43.3	28	0
15	WH1298	N416	54.3	3	0	38.7	18	0	47.4	5	0
16	DBW355	N417	47.0	31	0	38.5	21	0	43.2	29	0
17	NW8022	N418	49.1	25	0	39.4	13	0	44.8	25	0
18	RAJ4562	N419	49.8	22	0	41.2	5	0	46.0	15	0
19	PBW861	N420	46.3	32	0	34.8	32	0	41.2	33	0
20	WH1300	N421	51.2	15	0	39.3	16	0	45.9	16	0
21	DBW356	N422	53.7	6	0	37.3	29	0	46.4	11	0
22	PBW862	N423	50.1	21	0	34.5	34	0	43.2	31	0
23	PBW859	N425	52.0	10	0	37.7	27	0	45.6	18	0
24	HD3392	N426	55.1	2	0	42.0	2	0	49.3	2	1
25	PBW860	N427	49.2	24	0	39.3	14	0	44.8	24	0
26	HUW847	N428	49.5	23	0	39.5	12	0	45.1	21	0
27	RAJ4563	N429	50.7	18	0	37.8	26	0	45.0	22	0
28	DBW354	N430	51.6	14	0	39.7	11	0	46.3	13	0
29	HD3396	N431	50.6	19	0	43.9	1	1	47.6	4	0
30	HD3393	N433	53.8	5	0	38.5	20	0	47.0	8	0
31	UP3088	N434	45.0	34	0	33.0	35	0	39.7	34	0
32	WH1299	N436	53.8	4	0	37.4	28	0	46.5	10	0
33	DBW173 (C)	N412	51.7	13	0	40.1	9	0	46.5	9	0
34	DBW107 (C)	N424	48.2	29	0	40.1	8	0	44.6	26	0
35	HI1563 (C)	N432	47.0	30	0	38.4	23	0	43.2	30	0
36	HD3059 (C)	N435	53.5	7	0	40.7	7	0	47.8	3	0
G.M.			50.3			38.5			45.0		
S.E.(M)			0.725			0.783			0.532		
C.D. (10%)			1.7			1.8			1.2		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial : NIVT 3A-IR-LS-TAS, 2020-21

SN	Variety	Code	Disease Reaction				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	BRW3897	N401	20S	7.0	0	0.0	75-89	84	112-145	124	83-108	97	0	Ey	A	SH	32-48	41
2	NW8004	N402	tR	0.0	5S	1.7	75-89	83	113-148	125	91-106	97	0	Ey	A	SH	36-50	42
3	PBW858	N403	5MR	0.4	0	0.0	67-88	82	112-145	125	79-105	95	0	Ey	A	SH	24-47	39
4	RAJ4561	N404	5S	1.0	10S	3.3	76-98	90	110-148	127	75-102	88	0	Ey	A	SH	23-42	31
5	K2007	N405	10S	2.0	40S*	10.0	70-92	83	112-148	125	82-112	98	10	Ey	A	SH-H	37-46	41
6	HD3395	N406	10S	4.0	10S	1.7	71-87	82	109-148	124	92-108	99	0	Ey	A	SH	37-45	40
7	HD3394	N407	10S	3.0	tMR	0.1	77-90	86	113-148	126	78-106	97	0	Ey	A	SH	30-40	36
8	UP3087	N408	10S	4.0	60S*	12.5	75-89	83	112-148	125	92-107	100	0	Ey	A	SH-H	26-42	36
9	UP3089	N409	40S	14.0	5S	1.0	75-89	84	113-148	126	73-102	87	10	Ey	A	SH	32-40	37
10	PBW875	N410	10S	2.0	tMR	0.1	67-90	82	112-148	124	78-98	91	0	Ey	A	SH-H	35-48	43
11	DBW357	N411	10S	2.0	60S	22.5	67-87	80	109-145	124	81-104	96	0	Ey	A	SH	25-42	32
12	DBW353	N413	5S	1.0	5S	1.7	70-89	82	112-145	125	86-108	100	0	Ey	A	SH	36-54	44
13	JKW285	N414	10S	4.0	10S	3.3	70-87	81	109-145	124	85-100	94	5	Ey	A	SH	35-44	39
14	UP3094	N415	20S	6.0	tS	0.2	71-87	82	111-145	124	78-100	89	0	Ey	A	SH-H	30-40	34
15	WH1298	N416	5S	1.0	40S*	8.0	75-85	81	110-145	123	82-102	94	0	Ey	A	SH	31-42	39
16	DBW355	N417	5S	2.6	5S	1.7	75-85	80	110-145	124	74-102	94	10	Ey	A	SH	35-43	39
17	NW8022	N418	5S	2.0	0	0.0	74-88	83	112-145	125	84-101	94	10	Ey	A	SH	33-49	41
18	RAJ4562	N419	5S	1.1	5S	0.9	73-86	81	109-145	122	85-105	97	10	Ey	A	SH	34-44	40
19	PBW861	N420	tS	0.2	0	0.0	65-86	79	107-145	122	82-100	90	0	Ey	A	SH-H	29-42	34
20	WH1300	N421	0	0.0	10S	2.8	78-87	84	112-145	124	89-100	95	0	Ey	A	SH-H	35-46	40
21	DBW356	N422	10S	3.0	20S	4.2	71-85	79	111-145	123	85-100	93	0	Ey	A	SH	38-46	41
22	PBW862	N423	10S	4.8	20S	6.7	71-88	82	110-147	124	85-102	94	0	Ey	A	SH	31-42	38
23	PBW859	N425	10S	3.0	60S*	10.8	70-87	81	107-145	124	84-101	95	0	Ey	A	SH	36-45	40
24	HD3392	N426	tR	0.0	40S*	10.0	76-88	84	114-148	125	76-102	95	0	Ey	A	SH	29-41	35
25	PBW860	N427	0	0.0	0	0.2	75-89	85	112-145	125	82-98	89	10	Ey	A	SH	23-42	33
26	HUW847	N428	40S	16.8	5S	1.0	75-95	85	112-148	125	82-102	94	0	Ey	A	H	30-44	39
27	RAJ4563	N429	60S	16.0	0	0.0	69-89	80	108-148	123	89-105	96	0	Ey	A	H	21-45	37
28	DBW354	N430	10MS	1.6	20S	3.5	76-95	85	112-148	125	85-102	93	0	Ey	A	SH	30-46	39
29	HD3396	N431	10S	3.6	60S*	13.3	73-87	81	112-145	124	90-101	95	10	Ey	A	SH	29-42	36
30	HD3393	N433	5S	2.0	5S	1.7	74-87	80	112-145	124	84-102	92	0	Ey	A	SH	37-49	40
31	UP3088	N434	10S	4.0	tS	0.2	72-87	83	112-145	124	85-109	100	10	Ey	A	H	32-48	38
32	WH1299	N436	20S	10.1	10S	1.9	69-87	82	108-145	123	88-104	95	0	Ey	A	SH	36-45	39
33	DBW173 (C)	N412	10S	4.8	0	0.0	76-87	84	111-145	124	80-104	98	0	Ey	A	SH-H	32-45	38
34	DBW107 (C)	N424	20S	8.0	10S	1.8	75-95	81	112-147	123	84-110	90	0	Ey	A	SH	33-43	39
35	HI1563 (C)	N432	40S	16.0	10S	1.7	72-87	80	113-145	124	89-107	96	0	Ey	A	SH-H	32-40	37
36	HD3059 (C)	N435	40S	12.0	10S	1.9	77-90	85	112-148	124	78-107	94	0	Ey	A	SH-H	30-42	37

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

2. Yellow rust data from Gurdaspur, Karnal, Jammu, Ludhiana and Delhi. 3. Brown rust data from Gurdaspur, Karnal, Jammu, Ludhiana, Delhi and Pantnagar.

4. Data on lodging from Ludhiana.

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North Western Plains Zone
Individual Station Rust Data

SN	Variety	Code	Brown rust						Yellow rust				
			Gurdaspur	Karnal	Jammu	Ludhiana	Delhi	Pantnagar	Gurdaspur	Karnal	Jammu	Ludhiana	Delhi
1	BRW3897	N401	0	0	0	0	0	0	10S	5S	0	20S	0
2	NW8004	N402	0	5S	0	0	0	5S	tR	0	0	0	0
3	PBW858	N403	0	0	0	0	0	0	0	0	0	5MR	0
4	RAJ4561	N404	0	0	10S	0	0	0	tR	0	0	5S	0
5	K2007	N405	0	40S	0	0	0	20S	tR	0	0	10S	0
6	HD3395	N406	0	tMR	0	0	0	10S	5S	5S	10S	0	0
7	HD3394	N407	0	tMR	0	0	0	0	10S	0	0	5S	0
8	UP3087	N408	0	10S	0	5S	0	60S	10S	0	5S	5S	0
9	UP3089	N409	0	5S	0	0	0	tS	10S	40S	tR	20S	0
10	PBW875	N410	0	tMR	0	0	0	0	0	0	10S	0	0
11	DBW357	N411	10S	60S	0	0	5S	60S	tR	0	10S	0	0
12	DBW353	N413	0	5S	0	0	0	5S	5S	0	0	0	0
13	JKW285	N414	0	5S	0	5S	0	10S	10S	0	0	10S	0
14	UP3094	N415	0	0	0	0	0	tS	10S	0	0	20S	0
15	WH1298	N416	0	0	0	0	10MS	40S	0	5S	0	0	0
16	DBW355	N417	0	5S	0	0	0	5S	10MS	0	0	5S	0
17	NW8022	N418	0	0	0	0	0	0	5S	0	0	5S	0
18	RAJ4562	N419	0	tMR	0	0	0	5S	tR	0	0	5S	tR
19	PBW861	N420	0	0	0	0	0	0	0	0	tR	tS	0
20	WH1300	N421	0	5S	0	0	5MR	10S	0	0	0	0	0
21	DBW356	N422	0	5S	0	0	0	20S	10S	0	0	5S	0
22	PBW862	N423	0	10S	0	10S	0	20S	5MS	5S	5S	10S	0
23	PBW859	N425	0	60S	0	0	0	5S	tR	10S	5S	0	0
24	HD3392	N426	0	40S	0	5S	0	15S	tR	0	0	0	0
25	PBW860	N427	0	0	0	0	0	tS	0	0	0	0	0
26	HUW847	N428	0	5S	0	0	0	tS	20S	40S	0	20S	10MR
27	RAJ4563	N429	0	0	0	0	0	0	5S	60S	5S	10S	0
28	DBW354	N430	0	20S	0	0	0	tS	10MS	0	0	0	0
29	HD3396	N431	0	10S	0	0	10S	60S	10MS	0	0	10S	0
30	HD3393	N433	0	5S	0	0	0	5S	5S	0	0	5S	0
31	UP3088	N434	0	0	0	0	0	tS	10S	0	0	10S	0
32	WH1299	N436	0	tMR	0	10S	0	tS	20S	tMR	10S	20S	0
33	DBW173 (C)	N412	0	0	0	0	0	0	5MS	0	10S	10S	0
34	DBW107 (C)	N424	0	tMS	0	0	0	10S	20S	0	0	20S	0
35	HI1563 (C)	N432	0	tMR	0	10S	0	0	20S	20S	0	40S	0
36	HD3059 (C)	N435	0	tMR	0	10S	tS	0	20S	0	0	40S	0

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial : NIVT 3A-IR-LS-TAS, 2020-21

SN	Variety	Code	Disease Reaction		LB (HS, Avg)	Agronomic Characteristics								Grain Characteristics			
			Br	ACI		Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	BRW3897	N401	5S	1.7	45(24)	65-76	71	94-113	106	72-102	90	0	Ey	A	SH	32-47	39
2	NW8004	N402	0	0.0	68(34)	66-78	71	100-110	105	82-96	88	0	Ey	A	SH	33-43	38
3	PBW858	N403	0	0.0	45(24)	66-79	72	94-116	107	76-103	92	0	Ey	A	SH	36-46	40
4	RAJ4561	N404	0	0.0	36(23)	66-88	80	103-121	112	67-90	81	0	Ey	A	SH	23-51	32
5	K2007	N405	40S	20.0	68(35)	60-78	70	94-114	106	81-100	91	5	Ey	A	SH	30-45	38
6	HD3395	N406	5S	1.7	69(35)	66-77	71	99-109	105	83-105	93	0	Ey	A	SH	29-47	38
7	HD3394	N407	0	0.0	35(24)	67-79	73	103-114	108	80-106	96	0	Ey	A	SH	28-46	34
8	UP3087	N408	20S	16.7	59(34)	65-76	71	98-113	105	84-99	90	0	Ey	A	SH	30-43	37
9	UP3089	N409	80S	60.0	47(24)	68-78	72	94-112	108	68-95	83	5	Ey	A	SH	26-47	34
10	PBW875	N410	5S	1.7	59(34)	69-95	77	92-126	106	71-94	82	5	Ey	A	SH	30-46	38
11	DBW357	N411	60S	43.3	67(35)	64-72	67	95-111	104	77-99	89	0	Ey	A	SH	27-52	34
12	DBW353	N413	20S	6.7	69(35)	64-75	70	97-112	104	81-104	93	0	Ey	A	SH	34-46	41
13	JKW285	N414	0	0.0	69(35)	63-69	66	101-113	106	75-98	85	10	Ey	A	SH	32-47	38
14	UP3094	N415	0	0.0	57(34)	67-80	72	94-113	105	72-91	82	0	Ey	A	SH	26-39	32
15	WH1298	N416	0	0.0	69(35)	63-73	68	95-110	103	75-101	91	0	Ey	A	SH	30-47	35
16	DBW355	N417	20S	8.3	69(35)	62-74	67	95-110	103	84-101	93	0	Ey	A	SH	30-47	38
17	NW8022	N418	0	0.0	68(34)	59-76	70	100-112	106	80-97	90	0	Ey	A	SH	25-53	39
18	RAJ4562	N419	0	0.0	79(35)	58-73	66	96-110	103	81-97	88	0	Ey	A	SH	30-46	37
19	PBW861	N420	0	0.0	67(34)	60-71	65	94-108	103	69-100	82	5	Ey	A	SH	28-45	33
20	WH1300	N421	40S	23.3	57(23)	67-76	72	98-113	105	83-99	90	0	Ey	A	SH	28-44	35
21	DBW356	N422	0	0.0	68(35)	63-71	67	95-118	105	80-100	87	70	Ey	A	SH	35-42	38
22	PBW862	N423	0	0.0	59(35)	62-77	70	94-109	105	87-98	92	0	Ey	A	SH	30-45	36
23	PBW859	N425	20s	6.7	68(35)	66-76	71	101-109	105	77-100	90	0	Ey	A	SH	30-47	38
24	HD3392	N426	20S	6.7	46(34)	68-76	72	101-111	107	88-98	94	5	Ey	A	SH	28-46	35
25	PBW860	N427	40S	15.0	57(24)	64-81	73	104-115	108	70-89	83	0	Ey	A	SH	27-43	33
26	HUW847	N428	20S	6.7	57(34)	69-80	74	106-114	109	73-94	83	0	Ey	A	SH	28-46	38
27	RAJ4563	N429	0	0.0	57(24)	62-75	67	97-109	104	69-102	88	0	Ey	A	SH	32-47	38
28	DBW354	N430	20S	6.7	49(34)	65-78	73	101-114	107	81-98	89	0	Ey	A	SH	30-44	36
29	HD3396	N431	40S	23.3	59(34)	65-76	69	100-114	106	83-99	91	0	Ey	A	SH	34-44	37
30	HD3393	N433	0	0.0	57(34)	63-73	69	94-112	106	78-105	88	0	Ey	A	SH	34-43	38
31	UP3088	N434	0	0.0	39(24)	61-78	72	99-112	105	84-107	93	0	Ey	A	SH	26-46	36
32	WH1299	N436	0	0.0	57(34)	66-75	70	103-113	107	75-98	87	0	Ey	A	SH	30-53	38
33	DBW173 (C)	N412	0	0.0	57(35)	60-80	71	89-114	106	84-106	93	0	Ey	A	SH	30-39	34
34	DBW107 (C)	N424	10S	3.3	68(35)	65-73	70	99-114	105	76-102	84	0	Ey	A	SH	32-48	37
35	HI1563 (C)	N432	0	0.0	79(35)	61-70	65	95-109	104	73-96	88	0	Ey	A	SH	32-47	38
36	HD3059 (C)	N435	0	0.0	68(35)	68-98	77	102-114	108	81-94	88	0	Ey	A	SH	28-42	34

1. Ancillary data from IARI-Pusa, Ayodhya, Varanasi, Coochbehar, Kalyani, Kanpur, Ranchi, Sabour and Shillongani.
2. Brown rust data from Pusa Bihar, Kalyani and Kanpur. 3. IARI-Pusa, Ayodhya, Varanasi, Coochbehar, Kalyani, Sabour and Shillongani.
4. Data on Lodging from Shillongani.

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North Eastern Plains Zone
Individual Station Disease Data

SN	Variety	Code	Brown rust data			Leaf Blight data						
			Pusa Bihar	Kalyani	Kanpur	IARI-Pusa	Ayodhya	Varanasi	Coochebhar	kalyani	Sabour	Shillongani
1.	BRW3897	N401	0	5S	0	23	12	01	37	45	23	25
2.	NW8004	N402	0	0	0	23	23	00	34	68	34	24
3.	PBW858	N403	0	0	0	23	24	00	37	45	34	25
4.	RAJ4561	N404	0	0	0	23	23	01	23	35	23	36
5.	K2007	N405	0	20S	40S	35	36	12	37	68	34	24
6.	HD3395	N406	0	5S	0	35	34	01	69	68	34	24
7.	HD3394	N407	0	0	0	34	23	01	34	35	23	25
8.	UP3087	N408	20S	10S	20S	34	24	00	59	45	34	25
9.	UP3089	N409	40S	80S	60S	34	12	00	47	45	23	24
10.	PBW875	N410	0	5S	0	23	12	12	59	57	34	24
11.	DBW357	N411	30S	40S	60S	34	23	01	59	57	67	25
12.	DBW353	N413	0	0	20S	23	24	00	69	68	45	25
13.	JKW285	N414	0	0	0	35	35	00	69	57	45	36
14.	UP3094	N415	0	0	0	23	34	12	34	57	34	35
15.	WH1298	N416	0	0	0	23	46	01	69	57	56	25
16.	DBW355	N417	0	5S	20S	23	24	01	69	57	34	24
17.	NW8022	N418	0	0	0	34	23	00	56	68	34	25
18.	RAJ4562	N419	0	0	0	34	24	00	79	68	45	24
19.	PBW861	N420	0	0	0	23	12	00	67	35	45	24
20.	WH1300	N421	0	30S	40S	34	12	00	23	57	23	24
21.	DBW356	N422	0	0	0	35	25	01	57	68	34	25
22.	PBW862	N423	0	0	0	35	24	02	59	57	34	25
23.	PBW859	N425	20S	0	0	35	34	01	59	68	45	35
24.	HD3392	N426	0	20S	0	35	46	01	34	45	45	35
25.	PBW860	N427	0	5S	40S	23	34	01	25	57	23	25
26.	HUW847	N428	0	0	20S	34	35	01	36	57	34	24
27.	RAJ4563	N429	0	0	0	34	12	00	39	57	23	35
28.	DBW354	N430	0	0	20S	34	24	00	49	45	34	24
29.	HD3396	N431	30S	10S	40S	35	23	00	59	57	23	24
30.	HD3393	N433	0	0	0	23	36	12	34	57	23	25
31.	UP3088	N434	0	0	0	23	35	01	39	35	23	24
32.	WH1299	N436	0	0	0	35	23	00	23	57	34	35
33.	DBW173 (C)	N412	0	0	0	35	24	00	36	57	45	36
34.	DBW107 (C)	N424	0	10S	0	23	36	12	68	57	23	25
35.	HI1563 (C)	N432	0	0	0	34	23	00	79	68	45	25
36.	HD3059 (C)	N435	0	0	0	34	24	00	59	68	23	24