

1594-NIVT-3A-IR-LS-TAS, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	J&K		Delhi		Haryana				Punjab			
			Jammu		New Delhi		Karnal		Hisar		Gurdaspur		Ludhiana	
			Yield	RK G	Yield	RK G	Yield	RK G	Yield	RK G	Yield	RK G	Yield	RK G
1.	PBW 754	N-3A-401	26.5	15 0	41.4	28 0	37.3	17 0	43.9	30 0	41.2	16 0	45.9	22 0
2.	HD 3235	N-3A-402	30.8	7 0	48.9	14 0	43.5	2 1	48.5	6 1	48.8	4 1	53.9	9 0
3.	HD 3232	N-3A-403	27.8	12 0	55.8	2 1	41.0	9 0	44.7	21 0	39.5	21 0	53.1	10 0
4.	HD 3234	N-3A-404	26.4	16 0	56.3	1 1	36.6	20 0	45.5	19 0	45.7	9 1	57.6	6 0
5.	HI 1617	N-3A-405	32.5	4 0	51.5	10 1	39.8	11 0	49.3	3 1	40.2	20 0	58.8	5 1
6.	HP 1964	N-3A-406	21.7	30 0	52.2	9 1	33.3	28 0	46.7	13 0	35.3	31 0	39.6	28 0
7.	HUW 810	N-3A-407	19.9	36 0	36.2	34 0	17.2	36 0	48.6	5 1	30.0	32 0	35.5	35 0
8.	K 1514	N-3A-408	24.6	20 0	46.9	17 0	34.7	26 0	43.9	33 0	35.4	29 0	48.7	18 0
9.	K 1512	N-3A-409	27.8	13 0	53.8	6 1	45.5	1 1	43.4	35 0	48.6	5 1	50.9	14 0
10.	HUW 808	N-3A-410	21.3	34 0	43.1	25 0	17.4	35 0	43.9	31 0	29.5	34 0	40.7	27 0
11.	DBW 203	N-3A-411	34.9	2 0	49.7	11 1	41.4	5 0	44.2	27 0	46.8	6 1	37.7	31 0
12.	RAJ 4471	N-3A-412	24.2	22 0	44.2	22 0	34.9	25 0	44.1	28 0	40.3	19 0	35.8	34 0
13.	BRW 3777	N-3A-413	23.3	28 0	38.5	31 0	31.2	31 0	44.0	29 0	37.0	26 0	59.4	4 1
14.	UP 2948	N-3A-416	32.4	5 0	54.0	5 1	36.3	23 0	48.1	7 1	42.1	13 0	48.9	17 0
15.	JKW 222	N-3A-417	27.0	14 0	34.8	35 0	37.9	15 0	43.5	34 0	38.1	24 0	35.3	36 0
16.	UP 2945	N-3A-418	24.4	21 0	54.0	4 1	33.6	27 0	47.2	10 0	42.1	13 0	37.6	32 0
17.	WH 1210	N-3A-419	24.7	19 0	52.3	8 1	39.3	12 0	44.4	23 0	49.2	3 1	45.0	23 0
18.	WH 1211	N-3A-420	23.8	24 0	36.3	33 0	33.1	29 0	44.5	22 0	40.6	17 0	50.2	16 0
19.	UBW 9	N-3A-421	25.5	17 0	45.3	18 0	36.5	21 0	43.9	32 0	50.0	1 1	50.4	15 0
20.	K 1513	N-3A-422	33.3	3 0	49.0	13 0	40.0	10 0	44.2	26 0	41.7	15 0	54.9	7 0
21.	UP 2947	N-3A-423	25.4	18 0	44.7	20 0	38.3	14 0	44.2	25 0	37.0	26 0	48.1	20 0
22.	HUW 809	N-3A-424	23.6	26 0	42.5	26 0	30.9	32 0	46.5	14 0	35.4	29 0	52.0	13 0
23.	WH 1209	N-3A-425	21.6	32 0	44.1	23 0	33.0	30 0	49.7	2 1	39.1	22 0	37.3	33 0
24.	PBW 752	N-3A-426	41.5	1 1	54.4	3 1	43.5	3 1	48.7	4 1	49.8	2 1	62.1	3 1
25.	RAJ 4472	N-3A-427	23.8	23 0	49.5	12 1	38.9	13 0	47.6	9 0	27.8	36 0	39.6	29 0
26.	HD 3233	N-3A-429	32.3	6 0	41.5	27 0	42.5	4 1	46.3	16 0	40.4	18 0	48.7	19 0
27.	PBW 753	N-3A-430	22.7	29 0	48.0	15 0	41.3	6 0	51.1	1 1	43.6	12 0	63.5	2 1
28.	DBW 205	N-3A-431	29.0	10 0	53.5	7 1	37.8	16 0	46.7	12 0	44.8	11 1	43.9	24 0
29.	DBW 202	N-3A-433	21.5	33 0	39.0	30 0	36.3	22 0	46.5	15 0	38.2	23 0	38.4	30 0
30.	NW 6071	N-3A-434	21.1	35 0	36.5	32 0	24.7	34 0	45.6	18 0	29.7	33 0	42.9	25 0
31.	DBW 204	N-3A-435	23.4	27 0	40.4	29 0	37.3	18 0	44.8	20 0	36.2	28 0	47.0	21 0
32.	NW 6080	N-3A-436	21.7	31 0	32.7	36 0	25.3	33 0	47.9	8 0	28.1	35 0	41.3	26 0
33.	HI 1563 (C)	N-3A-414	23.8	25 0	44.2	21 0	37.1	19 0	42.8	36 0	37.6	25 0	54.8	8 0
34.	DBW 14 (C)	N-3A-415	30.4	8 0	44.7	19 0	35.9	24 0	46.2	17 0	46.4	8 1	53.0	11 0
35.	HD 3059(C)	N-3A-428	28.4	11 0	43.3	24 0	41.1	8 0	46.8	11 0	46.8	6 1	52.3	12 0
36.	DBW 90(C)	N-3A-432	29.9	9 0	48.0	16 0	41.1	7 0	44.3	24 0	45.6	10 1	64.3	1 1
Mean			26.5		45.9		36.0		45.9		40.2		48.0	
S.E.m			2.319		2.872		1.392		1.281		2.392		2.359	
C.D.			5.6		6.9		3.3		3.1		5.7		5.6	
C.V.			12.4		8.9		5.5		3.9		8.4		6.9	
D.O.S. (d.m.y.)			22.12.2015		17.12.2015		22.12.2015		23.12.2015		17.12.2015		15.12.2015	

Trials proposed & conducted = 18

Trials not reported (2) = Shillongani (TF), Varanasi (LSM)

1594-NIVT-3A-IR-LS-TAS, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Uttar Pradesh									Uttarakhand			Rajasthan		
			Modipuram			Faizabad			Kanpur			Pantnagar			Durgapura		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	PBW 754	N-3A-401	32.0	32	0	34.1	28	0	34.7	13	0	37.5	26	0	34.1	33	0
2.	HD 3235	N-3A-402	29.7	35	0	40.2	11	1	32.4	22	0	39.0	19	0	41.1	17	0
3.	HD 3232	N-3A-403	40.2	10	0	37.7	20	1	31.3	27	0	42.4	7	0	41.7	16	0
4.	HD 3234	N-3A-404	34.8	25	0	41.9	7	1	35.9	10	0	36.3	30	0	39.9	24	0
5.	HI 1617	N-3A-405	47.1	1	1	41.7	8	1	34.7	13	0	47.5	2	1	51.5	3	0
6.	HP 1964	N-3A-406	37.9	18	0	38.2	19	1	37.0	7	0	39.6	13	0	48.6	5	0
7.	HUW 810	N-3A-407	39.2	13	0	28.1	33	0	34.1	17	0	38.2	21	0	36.5	28	0
8.	K 1514	N-3A-408	37.7	20	0	35.3	25	0	31.8	26	0	34.1	32	0	38.2	27	0
9.	K 1512	N-3A-409	41.3	8	0	38.9	17	1	34.7	16	0	39.6	12	0	41.1	17	0
10.	HUW 808	N-3A-410	33.5	28	0	27.5	34	0	32.4	22	0	32.1	34	0	33.6	34	0
11.	DBW 203	N-3A-411	29.4	36	0	42.0	6	1	30.1	33	0	39.4	15	0	39.4	25	0
12.	RAJ 4471	N-3A-412	32.1	31	0	40.0	14	1	33.6	19	0	38.0	24	0	42.2	15	0
13.	BRW 3777	N-3A-413	44.4	3	1	42.8	1	1	30.1	33	0	32.0	35	0	28.4	36	0
14.	UP 2948	N-3A-416	36.7	22	0	39.1	16	1	35.3	12	0	36.9	28	0	41.1	17	0
15.	JKW 222	N-3A-417	38.7	15	0	40.2	11	1	34.7	13	0	37.2	27	0	36.5	28	0
16.	UP 2945	N-3A-418	46.2	2	1	36.7	23	1	40.5	6	1	38.0	22	0	36.5	28	0
17.	WH 1210	N-3A-419	34.3	26	0	34.4	27	0	31.3	27	0	43.3	4	0	61.3	1	1
18.	WH 1211	N-3A-420	31.2	33	0	33.3	30	0	32.4	22	0	36.4	29	0	43.8	12	0
19.	UBW 9	N-3A-421	33.0	29	0	40.9	10	1	33.0	21	0	42.0	8	0	41.1	17	0
20.	K 1513	N-3A-422	36.6	23	0	36.2	24	1	45.7	4	1	41.3	9	0	40.5	22	0
21.	UP 2947	N-3A-423	31.2	34	0	37.0	22	1	37.0	7	0	46.1	3	0	47.5	9	0
22.	HUW 809	N-3A-424	32.3	30	0	30.1	32	0	33.6	18	0	39.0	18	0	36.5	28	0
23.	WH 1209	N-3A-425	40.0	12	0	35.0	26	0	35.9	10	0	34.1	33	0	33.0	35	0
24.	PBW 752	N-3A-426	41.4	7	0	42.4	4	1	46.3	1	1	39.6	14	0	40.5	22	0
25.	RAJ 4472	N-3A-427	39.0	14	0	33.0	31	0	28.9	36	0	43.2	5	0	45.1	11	0
26.	HD 3233	N-3A-429	36.1	24	0	42.4	4	1	32.4	22	0	39.4	17	0	55.6	2	0
27.	PBW 753	N-3A-430	42.7	4	0	40.0	13	1	31.3	31	0	39.4	16	0	48.6	5	0
28.	DBW 205	N-3A-431	40.3	9	0	41.7	8	1	30.1	33	0	50.3	1	1	49.8	4	0
29.	DBW 202	N-3A-433	38.2	17	0	37.5	21	1	35.9	9	0	40.7	10	0	41.1	17	0
30.	NW 6071	N-3A-434	37.8	19	0	25.2	36	0	33.6	19	0	34.8	31	0	39.4	25	0
31.	DBW 204	N-3A-435	40.1	11	0	34.1	28	0	46.3	1	1	39.9	11	0	43.4	13	0
32.	NW 6080	N-3A-436	33.6	27	0	26.3	35	0	31.3	27	0	29.4	36	0	42.8	14	0
33.	HI 1563 (C)	N-3A-414	41.7	6	0	39.4	15	1	42.8	5	1	37.5	25	0	47.5	9	0
34.	DBW 14 (C)	N-3A-415	37.1	21	0	42.8	1	1	31.3	27	0	38.0	23	0	48.0	8	0
35.	HD 3059(C)	N-3A-428	38.6	16	0	42.4	3	1	30.7	32	0	38.8	20	0	48.6	5	0
36.	DBW 90(C)	N-3A-432	42.1	5	0	38.5	18	1	46.3	1	1	43.1	6	0	35.9	32	0
Mean			37.5			37.1			35.0			39.0			42.2		
S.E.m			1.633			2.813			2.445			1.689			1.786		
C.D.			3.9			6.7			5.8			4.1			4.3		
C.V.			6.2			10.7			9.9			6.1			6.0		
D.O.S. (d.m.y.)			22.12.2015			25.12.2015			19.12.2015			19.12.2015			19.12.2015		

1594-NIVT-3A-IR-LS-TAS, 2015-16
Locationwise Mean Yield (q/ha)

SN	Variety	Code	Bihar			Jharkhand			West Bengal								
			Sabour			Pusa			Ranchi			Coochbehar			Kalyani		
			Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	PBW 754	N-3A-401	25.9	36	0	34.1	23	0	25.8	26	0	28.9	31	0	24.9	30	0
2.	HD 3235	N-3A-402	33.6	15	0	42.2	11	0	33.2	8	1	42.8	14	0	23.3	32	0
3.	HD 3232	N-3A-403	35.9	9	0	42.4	9	0	30.9	13	0	50.9	5	0	34.3	5	0
4.	HD 3234	N-3A-404	30.1	23	0	42.8	7	0	30.3	14	0	53.2	2	0	32.3	7	0
5.	HI 1617	N-3A-405	36.0	7	0	44.2	3	1	26.3	22	0	32.4	28	0	34.6	4	0
6.	HP 1964	N-3A-406	35.9	8	0	44.1	4	1	35.0	5	1	45.1	8	0	28.4	16	0
7.	HUW 810	N-3A-407	26.7	33	0	30.0	30	0	31.8	11	1	23.1	33	0	27.4	18	0
8.	K 1514	N-3A-408	34.2	12	0	33.2	25	0	20.9	34	0	33.6	26	0	24.9	31	0
9.	K 1512	N-3A-409	38.2	2	1	44.3	2	1	34.2	7	1	52.1	3	0	26.7	19	0
10.	HUW 808	N-3A-410	27.5	31	0	29.0	31	0	25.1	30	0	17.4	35	0	25.2	26	0
11.	DBW 203	N-3A-411	32.4	19	0	35.6	21	0	29.6	19	0	45.1	8	0	26.4	20	0
12.	RAJ 4471	N-3A-412	32.8	17	0	32.3	27	0	32.6	10	1	38.2	22	0	25.7	23	0
13.	BRW 3777	N-3A-413	31.2	22	0	30.8	29	0	27.6	21	0	47.5	7	0	25.2	25	0
14.	UP 2948	N-3A-416	26.2	35	0	35.9	19	0	17.1	36	0	41.7	17	0	43.3	1	1
15.	JKW 222	N-3A-417	36.9	3	1	39.6	14	0	35.9	4	1	40.5	20	0	25.1	27	0
16.	UP 2945	N-3A-418	29.2	25	0	41.0	12	0	26.3	23	0	32.4	28	0	25.9	22	0
17.	WH 1210	N-3A-419	32.5	18	0	31.6	28	0	33.0	9	1	26.6	32	0	21.5	34	0
18.	WH 1211	N-3A-420	28.0	29	0	26.2	34	0	20.1	35	0	34.7	25	0	31.3	9	0
19.	UBW 9	N-3A-421	36.8	4	1	40.5	13	0	25.6	29	0	60.2	1	1	35.3	3	0
20.	K 1513	N-3A-422	31.6	21	0	36.0	18	0	26.0	24	0	45.1	8	0	25.6	24	0
21.	UP 2947	N-3A-423	28.6	28	0	38.7	17	0	22.1	32	0	50.9	5	0	27.6	17	0
22.	HUW 809	N-3A-424	28.9	27	0	39.0	16	0	28.9	20	0	15.0	36	0	30.1	11	0
23.	WH 1209	N-3A-425	27.6	30	0	21.9	36	0	29.9	18	0	41.7	17	0	18.8	35	0
24.	PBW 752	N-3A-426	40.0	1	1	42.2	10	0	31.4	12	1	45.1	8	0	33.0	6	0
25.	RAJ 4472	N-3A-427	28.9	26	0	33.9	24	0	29.9	17	0	31.3	30	0	26.0	21	0
26.	HD 3233	N-3A-429	34.2	13	0	42.9	6	0	36.6	1	1	42.8	14	0	31.3	8	0
27.	PBW 753	N-3A-430	36.8	5	1	47.6	1	1	34.8	6	1	41.7	17	0	41.1	2	1
28.	DBW 205	N-3A-431	34.1	14	0	35.8	20	0	25.7	27	0	44.0	12	0	28.6	15	0
29.	DBW 202	N-3A-433	33.4	16	0	28.6	32	0	25.7	28	0	38.2	22	0	29.1	13	0
30.	NW 6071	N-3A-434	26.5	34	0	27.1	33	0	24.7	31	0	33.6	26	0	11.8	36	0
31.	DBW 204	N-3A-435	29.2	24	0	32.7	26	0	25.9	25	0	44.0	12	0	22.8	33	0
32.	NW 6080	N-3A-436	27.3	32	0	25.1	35	0	21.4	33	0	23.1	33	0	24.9	29	0
33.	HI 1563 (C)	N-3A-414	34.4	11	0	34.8	22	0	36.0	3	1	40.5	21	0	30.3	10	0
34.	DBW 14 (C)	N-3A-415	32.3	20	0	39.0	15	0	30.1	15	0	35.9	24	0	29.8	12	0
35.	HD 3059 (C)	N-3A-428	35.5	10	0	43.7	5	1	36.1	2	1	42.8	14	0	28.7	14	0
36.	DBW 90 (C)	N-3A-432	36.1	6	0	42.6	8	0	30.0	16	0	52.1	3	0	24.9	28	0
Mean			32.1			36.4			28.8			39.3			28.0		
S.E.m			1.513			1.909			2.360			2.675			1.906		
C.D.			3.7			4.6			5.6			6.4			4.6		
C.V.			6.7			7.4			11.6			9.6			9.6		
D.O.S. (d.m.y.)			23.12.2015			17.12.2015			16.12.2015			15.12.2015			21.12.2015		

1594-NIVT-3A-IR-LS-TAS, 2015-16
Zonal and National Mean Yield (q/ha)

SN	Variety	Code	NWPZ			NEPZ			National		
			Yield	RK	G	Yield	RK	G	Yield	RK	G
1.	PBW 754	N-3A-401	37.8	25	0	29.8	30	0	34.3	29	0
2.	HD 3235	N-3A-402	42.7	10	0	35.4	14	0	39.5	12	0
3.	HD 3232	N-3A-403	42.9	8	0	37.6	8	0	40.6	6	0
4.	HD 3234	N-3A-404	42.1	14	0	38.1	6	1	40.4	7	0
5.	HI 1617	N-3A-405	46.5	2	1	35.7	13	0	41.8	3	0
6.	HP 1964	N-3A-406	39.4	21	0	37.7	7	0	38.7	16	0
7.	HUW 810	N-3A-407	33.5	35	0	28.8	33	0	31.4	33	0
8.	K 1514	N-3A-408	38.2	24	0	30.5	26	0	34.9	28	0
9.	K 1512	N-3A-409	43.6	7	0	38.4	5	1	41.3	5	0
10.	HUW 808	N-3A-410	32.8	36	0	26.3	34	0	30.0	36	0
11.	DBW 203	N-3A-411	40.3	18	0	34.4	18	0	37.7	20	0
12.	RAJ 4471	N-3A-412	37.3	30	0	33.6	21	0	35.7	25	0
13.	BRW 3777	N-3A-413	37.6	29	0	33.6	22	0	35.8	24	0
14.	UP 2948	N-3A-416	41.8	15	0	34.1	20	0	38.4	17	0
15.	JKW 222	N-3A-417	36.6	32	0	36.1	12	0	36.4	23	0
16.	UP 2945	N-3A-418	40.0	20	0	33.1	24	0	37.0	21	0
17.	WH 1210	N-3A-419	43.8	6	0	30.1	28	0	37.8	18	0
18.	WH 1211	N-3A-420	37.8	26	0	29.4	31	0	34.1	30	0
19.	UBW 9	N-3A-421	40.9	16	0	38.9	3	1	40.0	10	0
20.	K 1513	N-3A-422	42.4	12	0	35.2	15	0	39.2	13	0
21.	UP 2947	N-3A-423	40.3	19	0	34.6	16	0	37.8	19	0
22.	HUW 809	N-3A-424	37.6	28	0	29.4	32	0	34.0	31	0
23.	WH 1209	N-3A-425	36.9	31	0	30.1	29	0	33.9	32	0
24.	PBW 752	N-3A-426	46.8	1	1	40.1	1	1	43.9	1	1
25.	RAJ 4472	N-3A-427	39.4	22	0	30.3	27	0	35.4	27	0
26.	HD 3233	N-3A-429	42.5	11	0	37.5	9	0	40.3	8	0
27.	PBW 753	N-3A-430	44.6	3	0	39.0	2	1	42.1	2	0
28.	DBW 205	N-3A-431	44.0	4	0	34.3	19	0	39.8	11	0
29.	DBW 202	N-3A-433	37.8	27	0	32.6	25	0	35.5	26	0
30.	NW 6071	N-3A-434	34.7	33	0	26.1	35	0	30.9	34	0
31.	DBW 204	N-3A-435	39.2	23	0	33.6	23	0	36.7	22	0
32.	NW 6080	N-3A-436	33.6	34	0	25.6	36	0	30.1	35	0
33.	HI 1563 (C)	N-3A-414	40.8	17	0	36.9	11	0	39.1	14	0
34.	DBW 14 (C)	N-3A-415	42.2	13	0	34.4	17	0	38.8	15	0
35.	HD 3059 (C)	N-3A-428	42.7	9	0	37.1	10	0	40.3	9	0
36.	DBW 90 (C)	N-3A-432	43.8	5	0	38.6	4	1	41.5	4	0
Mean			40.1			33.8			37.4		
C.D.			1.6			2.0			1.2		

Summary of Disease Data and Agronomic Characteristics

North Western Plains Zone

Trial: NIVT-3A-IR-LS-TAS, 2015-16

SN	Variety	Code	Disease Reactions					Agronomic Characteristics							Grain Characteristics				
			YI	ACI	Br	ACI	BP	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	PBW 754	N-3A-401	5S	0.7	5S	1.67	0.4	69-91	82	109-128	119	78-97	84	-	Ey	A	SH-H	30-40	35
2.	HD 3235	N-3A-402	20S	6.4	0	-	0.0	72-88	79	102-129	116	82-97	91	-	Ey	A	H	32-39	37
3.	HD 3232	N-3A-403	20S	4.4	0	-	0.0	75-88	81	107-128	118	80-92	85	5	Ey	A	SH-H	33-43	38
4.	HD 3234	N-3A-404	0	-	tS	0.33	0.2	74-86	82	107-128	120	75-97	86	10	Ey	A	H	25-37	33
5.	HI 1617	N-3A-405	20S	4.4	0	-	0.0	64-85	75	103-127	115	77-92	86	5	Ey	A	H	35-45	40
6.	HP 1964	N-3A-406	60S	18.7	10S	6.33	1.0	69-86	77	107-128	117	75-87	83	-	Ey	A	SH-H	24-45	36
7.	HUW 810	N-3A-407	tR	0.0	0	-	0.4	65-93	80	106-130	119	76-88	81	-	Ey	A	H	31-41	36
8.	K 1514	N-3A-408	60S	34.3	20S	6.67	0.0	63-90	77	105-132	118	78-100	92	10	Ey	A	SH-H	32-44	39
9.	K 1512	N-3A-409	30S	9.9	5S	1.67	0.0	78-93	85	107-132	121	84-100	92	-	Ey	A	H	33-40	36
10.	HUW 808	N-3A-410	20S	9.1	5S	1.67	0.0	69-88	79	108-130	119	77-91	84	-	Ey	A	H	33-44	37
11.	DBW 203	N-3A-411	5S	1.4	0	-	0.0	79-88	82	106-128	119	70-89	82	-	Ey	A	H	31-37	34
12.	RAJ 4471	N-3A-412	5S	0.9	20S	7.0	0.8	73-93	85	107-130	120	78-92	86	10	Ey	A	H	33-40	36
13.	BRW 3777	N-3A-413	20S	3.6	0	0.0	0.0	71-89	80	110-130	121	68-117	99	10	Ey	A	H	33-41	37
14.	UP 2948	N-3A-416	5S	1.5	0	-	0.4	74-88	80	106-128	117	77-97	88	5	Ey	A	SH-H	27-37	33
15.	JKW 222	N-3A-417	60S	14.4	0	-	0.2	75-89	84	107-128	120	75-94	86	-	Ey	A	H	26-39	34
16.	UP 2945	N-3A-418	40S	5.7	0	-	0.2	71-91	80	106-130	118	78-92	85	-	Ey	A	H	31-42	37
17.	WH 1210	N-3A-419	tMR	0.0	0	-	0.2	71-88	79	105-128	116	84-100	89	-	Ey	A	H	35-45	39
18.	WH 1211	N-3A-420	5S	0.7	0	-	0.6	72-93	83	106-131	117	77-91	84	-	Ey	A	SH-H	24-37	33
19.	UBW 9	N-3A-421	5S	1.4	5S	1.67	0.2	76-92	83	109-130	119	82-106	94	5	Ey	A	H	24-38	33
20.	K 1513	N-3A-422	20S	4.9	0	-	0.2	77-88	83	106-130	119	82-95	89	-	Ey	A	H	23-37	31
21.	UP 2947	N-3A-423	20S	4.6	0	-	0.4	73-86	79	109-129	119	73-112	85	-	Ey	A	H	32-41	36
22.	HUW 809	N-3A-424	5S	0.7	5S	1.67	1.0	73-87	80	102-129	118	79-97	90	-	Ey	A	SH-H	31-41	35
23.	WH 1209	N-3A-425	5S	0.7	0	-	0.8	76-95	84	108-130	120	78-95	89	-	Ey	A	SH-H	28-38	34
24.	PBW 752	N-3A-426	0	-	0	-	0.6	71-88	79	107-130	119	82-93	88	-	Ey	A	H	33-43	39
25.	RAJ 4472	N-3A-427	20S	6.7	5S	1.67	0.0	73-91	84	106-130	121	76-95	87	-	Ey	A	H	26-40	33
26.	HD 3233	N-3A-429	60S	21.4	0	-	0.0	74-86	81	106-130	118	80-93	88	5	Ey	A	H	26-40	35
27.	PBW 753	N-3A-430	0	-	0	-	0.4	68-88	78	105-130	117	79-90	83	-	Ey	A	SH-H	34-42	38
28.	DBW 205	N-3A-431	10S	1.5	0	-	0.0	71-90	80	106-130	118	73-84	80	-	Ey	A	H	37-51	41
29.	DBW 202	N-3A-433	10S	2.9	0	-	0.0	76-91	82	106-130	119	77-90	83	-	Ey	A	SH-H	30-39	34
30.	NW 6071	N-3A-434	tR	0.0	0	-	0.2	71-90	81	107-130	120	71-92	84	-	Ey	A	SH-H	34-40	37
31.	DBW 204	N-3A-435	10S	2.3	0	-	0.2	75-85	78	109-128	118	79-88	83	-	Ey	A	H	33-39	36
32.	NW 6080	N-3A-436	0	-	0	-	0.0	69-83	76	106-128	118	76-90	82	-	Ey	A	SH-H	32-42	37
33.	HI 1563(C)	N-3A-414	60S	24.4	10S	3.67	1.0	64-86	77	105-129	118	78-90	83	10	Ey	A	SH-H	28-42	38
34.	DBW 14(C)	N-3A-415	10S	3.8	5S	1.67	0.0	61-90	77	101-130	117	70-83	77	-	Ey	A	SH-H	36-43	39
35.	HD 3059(C)	N-3A-428	20S	5.2	0	-	0.2	75-87	80	108-130	120	75-92	86	-	Ey	A	H	34-38	36
36.	DBW 90(C)	N-3A-432	10S	2.6	20S	6.67	0.4	71-89	79	109-130	118	79-90	84	-	Ey	A	SH-H	31-43	36

1. Ancillary data from Delhi, Ludhiana, Gurdaspur, Hisar, Karnal, Durgahapura, Jammu and Pantnagar. Lodging data from Delhi, Gurdaspur and Pantnagar
2. Brown rust data from Ludhiana, Hisar, Karnal; Yellow rust data from Delhi, Ludhiana, Gurdaspur, Hisar, Karnal, Jammu, Pantnagar;
3. Black point incidence reported from Gurdaspur only.

NIVT-3A-IR-LS-TAS, 2015-16
North Western Plain Zone
Individual Station Rust Data

SN	Variety	Code	Ludhiana		Gurdaspur	Karnal		Hisar		Delhi	Pantnagar	Jammu
			Br	YI	YI	Br	YI	Br	YI	YI	YI	YI
1.	PBW 754	N-3A-401	0	5S	0	5S	0	0	0	0	0	0
2.	HD 3235	N-3A-402	0	tR	20S	0	0	0	0	5MS	tMR	20S
3.	HD 3232	N-3A-403	0	0	0	0	0	0	0	15MR	5S	20S
4.	HD 3234	N-3A-404	0	0	0	0	0	tS	0	0	0	0
5.	HI 1617	N-3A-405	0	0	20S	0	0	0	0	tMR	tMR	10S
6.	HP 1964	N-3A-406	5S	5S	60S	5MS	20S	10S	tS	0	5S	40S
7.	HUW 810	N-3A-407	0	0	0	0	0	0	0	0	0	tR
8.	K 1514	N-3A-408	0	40S	60S	20S	60S	0	0	30S	10S	40S
9.	K 1512	N-3A-409	5S	tR	30S	0	0	0	10S	10MS	tS	20S
10.	HUW 808	N-3A-410	5S	5S	10S	0	0	0	0	30MS	5S	20S
11.	DBW 203	N-3A-411	0	0	5S	0	0	0	0	0	0	5S
12.	RAJ 4471	N-3A-412	0	0	5S	20S	0	tS	tS	0	0	0
13.	BRW 3777	N-3A-413	0	5S	20S	0	0	0	0	0	0	tR
14.	UP 2948	N-3A-416	0	5S	5S	0	0	0	0	0	0	tR
15.	JKW 222	N-3A-417	0	0	30S	0	0	0	0	60S	tMS	10S
16.	UP 2945	N-3A-418	0	0	40S	0	0	0	0	0	0	0
17.	WH 1210	N-3A-419	0	0	0	0	0	0	0	tMR	0	0
18.	WH 1211	N-3A-420	0	0	5S	0	0	0	0	0	0	tR
19.	UBW 9	N-3A-421	5S	5S	5S	0	0	0	0	o	0	0
20.	K 1513	N-3A-422	0	0	20S	0	5S	0	0	10MS	tMS	tR
21.	UP 2947	N-3A-423	0	0	20S	0	0	0	0	5MR	0	10S
22.	HUW 809	N-3A-424	5S	5S	0	0	0	0	0	0	0	0
23.	WH 1209	N-3A-425	0	0	5S	0	0	0	0	0	0	0
24.	PBW 752	N-3A-426	0	0	0	0	0	0	0	0	0	0
25.	RAJ 4472	N-3A-427	0	5S	20S	0	0	5S	tS	0	tS	20S
26.	HD 3233	N-3A-429	0	10S	60S	0	0	0	0	40S	0	40S
27.	PBW 753	N-3A-430	0	0	0	0	0	0	0	0	0	0
28.	DBW 205	N-3A-431	0	0	0	0	0	0	0	5MR	0	10S
29.	DBW 202	N-3A-433	0	0	10S	0	0	0	0	0	0	10S
30.	NW 6071	N-3A-434	0	0	0	0	0	0	0	0	0	tR
31.	DBW 204	N-3A-435	0	tR	5S	0	0	0	0	0	tS	10S
32.	NW 6080	N-3A-436	0	0	0	0	0	0	0	0	0	0
33.	HI 1563(C)	N-3A-414	10S	40S	40S	0	0	tS	0	30S	tS	60S
34.	DBW 14(C)	N-3A-415	5S	5S	5S	0	0	0	0	15MR	tMR	10S
35.	HD 3059(C)	N-3A-428	0	0	20S	0	5S	0	0	tMR	tS	10S
36.	DBW 90(C)	N-3A-432	0	10S	0	20S	0	0	0	10MS	0	tR

Summary of Disease Data and Agronomic Characteristics

North Eastern Plains Zone

Trial: NIVT-3A-IR-LS-TAS, 2015-16

SN	Variety	Code	Disease Reaction	Agronomic Characteristics								Grain Characteristics			
			LB (HS, Av)	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Lod.	Thr.	Col.	Tex.	TGW.R	TGW.M
1.	PBW 754	N-3A-401	57 (13)	66-86	73	95-118	105	73-99	85	-	Ey	A	SH	25-41	32
2.	HD 3235	N-3A-402	56 (24)	63-74	68	93-117	100	86-103	91	-	Ey	A	SH	27-40	32
3.	HD 3232	N-3A-403	46 (24)	66-82	71	96-122	104	76-102	90	-	Ey	A	SH-H	31-43	35
4.	HD 3234	N-3A-404	24 (13)	63-82	71	92-118	104	71-98	87	-	Ey	A	SH	28-36	32
5.	HI 1617	N-3A-405	69 (35)	58-86	66	91-126	100	78-99	90	-	Ey	A	SH	30-44	35
6.	HP 1964	N-3A-406	45 (23)	59-84	66	93-122	100	75-92	83	-	Ey	A	SH	27-40	33
7.	HUW 810	N-3A-407	46 (24)	64-84	70	92-122	104	76-96	84	-	Ey	A	SH-H	31-42	35
8.	K 1514	N-3A-408	89 (45)	54-78	63	92-121	101	79-106	91	-	Ey	A	SH	30-40	35
9.	K 1512	N-3A-409	34 (12)	66-80	72	96-120	106	73-109	91	-	Ey	A	SH	24-42	34
10.	HUW 808	N-3A-410	89 (35)	61-84	68	91-118	102	68-97	84	-	Ey	A	SH	26-44	32
11.	DBW 203	N-3A-411	46 (12)	70-84	75	102-124	108	76-93	84	-	Ey	A	SH	27-36	32
12.	RAJ 4471	N-3A-412	89 (46)	64-80	70	92-120	104	64-93	82	-	Ey	A	SH	23-40	31
13.	BRW 3777	N-3A-413	45 (12)	59-80	68	93-120	105	91-123	103	15	Ey	A	SH	29-46	36
14.	UP 2948	N-3A-416	56 (35)	63-80	69	91-120	101	78-101	89	-	Ey	A	SH-H	24-40	30
15.	JKW 222	N-3A-417	35 (16)	68-77	73	94-119	105	70-100	85	-	Ey	A	SH-H	29-35	32
16.	UP 2945	N-3A-418	67 (24)	62-84	69	93-118	102	77-95	84	-	Ey	A	SH	28-41	32
17.	WH 1210	N-3A-419	56 (34)	62-78	68	89-124	100	72-95	84	-	Ey	A	SH	27-44	33
18.	WH 1211	N-3A-420	45 (13)	63-80	70	93-120	102	79-95	85	-	Ey	A	SH	23-35	28
19.	UBW 9	N-3A-421	35 (13)	64-75	70	92-118	104	80-109	93	-	Ey	A	SH	26-39	31
20.	K 1513	N-3A-422	67 (24)	64-76	70	95-122	104	75-99	86	-	Ey	A	SH	20-37	28
21.	UP 2947	N-3A-423	46 (13)	66-76	70	93-120	106	76-97	88	-	Ey	A	SH-H	28-38	33
22.	HUW 809	N-3A-424	35 (23)	62-88	70	94-120	105	75-102	89	-	Ey	A	SH	28-37	33
23.	WH 1209	N-3A-425	67 (24)	70-80	73	98-124	107	70-96	85	-	Ey	A	SH	24-38	31
24.	PBW 752	N-3A-426	45 (23)	64-86	70	95-123	104	82-95	87	-	Ey	A	SH-H	30-42	36
25.	RAJ 4472	N-3A-427	89 (56)	62-84	71	94-124	105	77-99	88	20	Ey	A	SH-H	20-35	26
26.	HD 3233	N-3A-429	24 (12)	64-86	70	97-122	106	78-104	86	-	Ey	A	SH	27-39	32
27.	PBW 753	N-3A-430	56 (24)	58-86	67	95-126	102	70-95	81	-	Ey	A	SH	27-40	35
28.	DBW 205	N-3A-431	56 (24)	59-88	69	92-125	101	74-95	83	-	Ey	A	SH-H	30-49	36
29.	DBW 202	N-3A-433	46 (23)	64-77	70	95-124	104	72-93	82	-	Ey	A	SH-H	23-35	31
30.	NW 6071	N-3A-434	69 (35)	63-82	68	94-120	103	80-102	88	-	Ey	A	SH-H	24-40	32
31.	DBW 204	N-3A-435	89 (34)	66-82	70	94-119	104	80-89	85	-	Ey	A	SH-H	21-40	31
32.	NW 6080	N-3A-436	56 (24)	59-84	66	94-122	104	77-88	84	-	Ey	A	SH-H	22-40	31
33.	HI 1563(C)	N-3A-414	78 (45)	57-79	64	90-122	100	80-96	88	-	Ey	A	SH	27-42	33
34.	DBW 14(C)	N-3A-415	89 (35)	56-84	65	93-124	100	69-90	78	-	Ey	A	SH	31-43	35
35.	HD 3059(C)	N-3A-428	56 (34)	62-74	69	95-120	104	73-98	87	-	Ey	A	SH-H	25-41	33
36.	DBW 90(C)	N-3A-432	56 (34)	64-78	68	94-122	102	76-93	85	-	Ey	A	SH-H	28-40	32

1. Ancillary data from Kanpur, Faizabad, Varanasi, Pusa, Ranchi, Sabour, Kalyani and Coochbehar.
2. Leaf blight data from Kanpur, Faizabad, Varanasi, Pusa, Ranchi, Sabour, Kalyani and Coochbehar.
3. No incidence of rusts reported from any centre.
4. Lodging data from Varanasi, Faizabad.

NIVT-3A-IR-LS-TAS, 2015-16
North Eastern Plain Zone
Individual Station Leaf blight Data

SN	Variety	Code	Kanpur	Faizabad	Varanasi	Ranchi	Sabour	Kalyani	Coochbehar	Pusa
1.	PBW 754	N-3A-401	00	02	57	13	13	24	23	45
2.	HD 3235	N-3A-402	00	12	36	24	24	24	23	56
3.	HD 3232	N-3A-403	00	24	25	13	13	14	23	34
4.	HD 3234	N-3A-404	00	12	02	03	03	24	23	24
5.	HI 1617	N-3A-405	12	24	69	13	13	24	56	67
6.	HP 1964	N-3A-406	12	35	00	02	02	14	45	45
7.	HUW 810	N-3A-407	00	24	35	35	35	24	45	46
8.	K 1514	N-3A-408	24	12	89	02	02	35	56	45
9.	K 1512	N-3A-409	00	12	02	03	03	13	23	34
10.	HUW 808	N-3A-410	12	12	89	02	02	36	56	56
11.	DBW 203	N-3A-411	00	46	00	13	13	12	12	13
12.	RAJ 4471	N-3A-412	57	24	89	14	14	45	45	68
13.	BRW 3777	N-3A-413	00	24	02	00	00	45	12	13
14.	UP 2948	N-3A-416	00	24	47	13	13	24	56	56
15.	JKW 222	N-3A-417	00	35	00	02	02	12	12	13
16.	UP 2945	N-3A-418	00	12	47	13	13	24	45	67
17.	WH 1210	N-3A-419	12	12	47	13	13	57	45	56
18.	WH 1211	N-3A-420	00	12	00	03	03	12	45	45
19.	UBW 9	N-3A-421	00	35	13	13	13	14	12	13
20.	K 1513	N-3A-422	12	24	24	13	13	24	34	67
21.	UP 2947	N-3A-423	00	24	00	02	02	13	13	46
22.	HUW 809	N-3A-424	00	12	2	13	13	24	34	34
23.	WH 1209	N-3A-425	00	36	24	24	24	24	23	67
24.	PBW 752	N-3A-426	00	24	24	14	14	24	34	45
25.	RAJ 4472	N-3A-427	46	35	89	02	02	68	67	78
26.	HD 3233	N-3A-429	00	12	02	03	03	12	12	13
27.	PBW 753	N-3A-430	00	24	24	13	13	13	56	56
28.	DBW 205	N-3A-431	00	36	47	13	13	24	56	34
29.	DBW 202	N-3A-433	00	12	36	03	03	24	12	46
30.	NW 6071	N-3A-434	12	36	69	24	24	35	56	45
31.	DBW 204	N-3A-435	00	24	89	02	02	24	34	78
32.	NW 6080	N-3A-436	00	12	24	24	24	24	34	56
33.	HI 1563(C)	N-3A-414	24	12	69	03	03	57	56	78
34.	DBW 14(C)	N-3A-415	36	46	89	00	00	24	56	34
35.	HD 3059(C)	N-3A-428	00	24	47	13	13	24	56	45
36.	DBW 90(C)	N-3A-432	24	25	47	00	00	13	56	46