

**Annexure 6 : Adult plant response of AVT IInd year, 1st year and NIVT material against Leaf rust (north) under field conditions (artificial inoculations) during 2014-15**

Sr. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
AVT II											
I. NORTHERN HILL ZONE											
1	HS 562	10S	0	20S	0	0	5MS	10S	20S	20S	8.0
2	HPW 251 (C)	0	10S	0	0	5S	0	5MS	0	10S	2.4
3	HPW 349 (C)	0	10MS	0	0	TS	0	10MS	10S	10S	3.4
4	HS 375 (C)	0	20MS	0	0	TS	5MS	20S	0	20S	5.1
5	HS 490 (C)	0	5MS	TR	0	0	0	10S	0	10S	1.8
6	HS 507 (C)	0	10MS	TR	0	0	0	0	0	10MS	1.0
7	HS 542 (C)	0	10S	0	0	0	0	0	0	10S	1.3
8	VL 804 (C)	0	5S	60S	0	30S	10S	20S	0	60S	15.6
9	VL 829 (C)	0	20MS	0	0	0	10S	10S	10MR	20MS	5.0
10	VL 892 (C)	0	5S	TR	0	0	0	60S	0	60S	8.2
11	VL 907 (C)	0	5S	5S	0	40S	0	5MR	0	40S	6.5
II. NORTH WESTERN PLAIN ZONE											
12	HD 4730	0	5MR	0	0	0	0	TS	0	5MR	0.4
13	MP 1277	0	0	0	0	5S	0	10MS	0	10MS	1.6
14	WH 1164	0	TMS	0	0	0	0	10MS	TS	10MS	1.2
15	DBW 88 (C)	0	10MS	5S	0	0	0	0	0	10MS	1.6
16	DBW 90 (C)	0	5MS	0	0	20S	0	10MS	0	20S	4.0
17	DPW 621-50 (C)	0	5S	0	0	0	0	0	0	5S	0.6
18	HD 2967 (C)	0	5S	TR	0	0	0	10S	0	10S	1.9
19	HD 3043 (C)	0	10MS	0	0	20MS	0	10MR	0	20MS	3.5
20	HD 3059 (C)	0	10MS	0	0	TS	0	0	0	10MS	1.1
20. A	INFECTOR	100S	80S	70S	100S	60S	40S	60S	60S	100S	71.3
21	HD 3086 (C)	0	0	5S	0	20S	0	10S	0	20S	4.4
22	PBW 644 (C)	0	5S	TR	0	0	0	5S	0	5S	1.3
23	PDW 233 (C)	0	0	0	0	0	0	0	0	0	0.0
24	PDW 291 (C)	0	0	0	0	10MS	0	5MS	0	10MS	1.5
25	PDW 314 (C)	0	0	0	0	10S	0	0	0	10S	1.3
26	WH 1021 (C)	0	5MS	TR	0	10S	0	0	0	10S	1.8
27	WH 1080 (C)	0	5MS	TR	0	0	0	10S	0	10S	1.8
28	WH 1105 (C)	0	5S	TR	0	0	0	0	0	5S	0.7
29	WH 1124 (C)	0	0	TR	30S	10S	0	0	0	30S	5.0
30	WH 1142 (I) C)	0	0	0	0	20S	0	20S	10MS	20S	6.0
III. NORTH EASTERN PLAIN ZONE											
31	C 306 (C)	0	5S	40S	20S	40S	20S	40S	40S	40S	25.6
32	HD 2888 (C)	0	5S	0	0	0	0	0	TS	5S	0.8
33	K 8027 (C)	0	10S	10S	40S	20S	40S	20S	60S	60S	25.0
IV. CENTRAL ZONE											
34	HD 4728 (d)	0	0	0	0	5MS	0	0	0	5MS	0.5
35	HD 4730 (d)	0	TMR	0	0	5MS	0	0	0	5MS	0.6
36	GW 322 (C)	0	40S	0	0	10S	0	20S	0	40S	8.8
37	HD 2864 (C)	10S	20S	0	0	20S	0	20S	0	20S	8.8
38	HD 2932 (C)	0	20S	5S	0	20S	0	10S	0	20S	6.9
39	HI 1544 (C)	0	60S	TR	0	5S	0	10S	0	60S	9.4
40	HI 8498 (D) (C)	0	TMR	0	0	0	0	5MS	0	5MS	0.6
40. A	INFECTOR	100S	100S	20S	100S	80S	40S	60S	60S	100S	70.0
41	HI 8737 (D)(I) (C)	0	5MR	0	0	0	0	0	0	5MR	0.3
42	MP 3336 (C)	0	60S	0	0	0	0	10S	0	60S	8.8
43	MP 4010 (C)	0	90S	0	0	0	0	10S	0	90S	12.5

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
44	MPO 1215 (d) (C)	0	TMR	0	0	0	0	0	0	TMR	0.1
V. PENINSULAR ZONE											
45	MACS 3927 (d)	0	TMS	TR	10MR	0	10MS	0	20MS	20MS	3.6
46	NIAW 2030	0	80S	0	0	10S	0	5MR	0	80S	11.5
47	AKDW 2997-16(d) (C)	0	20MS	0	0	0	0	5S	0	20MS	2.6
48	DBW 93 (I) (C)	0	60S	0	0	5S	0	20S	0	60S	10.6
49	MACS 6222 (C)	0	40S	0	0	0	0	10S	0	40S	6.3
50	MACS 6478 (C)	0	10MS	0	0	0	0	20S	0	20S	3.5
51	NI 5439 (C)	0	80S	0	0	0	20S	20S	0	80S	15.0
52	NIAW 1415 (C)	0	80S	0	0	0	0	5MR	0	80S	10.3
53	UAS 347 (I) (C)	0	5MS	0	0	0	0	0	0	5MS	0.5
54	UAS 428 (d) (C)	0	10MS	0	0	TMS	0	0	0	10MS	1.1
55	UAS 446 (d) (I) (C)	0	TMR	0	0	0	0	5MS	0	5MS	0.6
VII. SPECIAL TRIAL											
56	(HD 2932 + Lr 19/Sr25)	0	40MS	0	0	0	0	5MS	0	40MS	4.5
57	MMBL 283	0	20S	TR	0	0	0	0	0	20S	2.5
58	PBW 723	0	10S	0	0	0	0	0	0	10S	1.3
59	DBW 14 (C)	0	60S	0	0	0	0	10S	0	60S	8.8
60	DDK 1029 (C)	0	80S	0	0	0	0	5MR	0	80S	10.3
60. A	INFECTOR	80S	90S	50S	100S	60S	40S	60S	60S	100S	67.5
61	HD 2985 (C)	0	40S	10S	0	20S	0	10MS	0	40S	9.8
62	HI 1563 (C)	0	40S	0	0	0	0	10S	0	40S	6.3
63	HUW 234 (C)	0	20S	5S	0	10S	0	10S	0	20S	5.6
64	HW 1098 (C)	0	60S	0	0	5S	0	0	0	60S	8.1
65	K 0307 (C)	0	30S	0	0	0	0	20S	0	30S	6.3
66	Kharchia 65 (C)	60S	90S	70S	80S	40S	60S	20S	60S	90S	60.0
67	KRL 19 (C)	0	80S	40S	0	40S	0	20S	0	80S	22.5
68	KRL 210 (C)	0	20S	50S	0	20S	0	20S	0	50S	13.8
69	PBW 343 (C)	0	100S	30S	0	30S	0	10MS	0	100S	21.0
70	Raj 4083 (C)	0	20S	TR	0	10S	0	0	0	20S	3.8
71	TL 2942 (C)	0	5MR	0	0	TMS	0	0	0	5MR	0.4
72	TL 2969 (C)	0	0	0	0	TMS	0	0	0	TMS	0.1
73	WH 542 (C)	0	20S	TR	0	10S	0	0	0	20S	3.8
73. A	INFECTOR	100S	100S	60S	100S	60S	40S	60S	60S	100S	72.5
AVT Ist											
I. NORTHERN HILL ZONE											
1	HPW 393	0	0	0	0	0	5MS	0	0	5MS	0.5
2	HPW 394	0	0	5S	0	0	0	10S	0	10S	1.9
3	HPW 413	0	20S	5S	10S	5S	0	5MS	0	20S	5.5
4	HPW 421	20S	15S	0	10S	20S	0	0	5S	20S	8.8
5	HPW 422	0	0	0	0	20S	0	5MS	5S	20S	3.6
6	HS 580	0	5MR	0	0	10S	0	5MR	0	10S	1.8
7	HS 583	0	0	0	0	TMS	0	0	TR	TMS	0.1
8	HS 590	0	0	0	0	0	5S	10MR	0	5S	1.1
9	HS 596	0	TMR	0	0	0	5S	0	0	5S	0.7
10	HS 597	0	5MS	10S	0	TMS	0	0	0	10S	1.9
11	HS 598	0	10S	TR	0	0	0	0	0	10S	1.3
12	HS 599	0	0	0	0	0	0	5S	0	5S	0.6
13	HS 600	0	TMR	0	0	0	0	10MR	0	10MR	0.6
14	HS 601	10S	10S	0	0	0	0	0	0	10S	2.5
15	UP 2917	0	0	0	0	0	0	10S	0	10S	1.3
16	UP 2918	0	0	-	0	0	0	5S	0	5S	0.7

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
17	VL 1005	0	0	0	0	0	0	0	0	0	0.0
18	VL 1006	0	5MS	0	0	0	0	5S	20S	20S	3.6
19	VL 1007	0	20S	TR	5S	0	0	10MS	0	20S	4.2
20	VL 3002	0	0	0	0	0	0	0	0	0	0.0
20. A	INFECTOR	100S	80S	60S	100S	60S	40S	60S	60S	100S	70.0
21	VL 3007	20S	0	0	0	0	0	0	0	20S	2.5
22	VL 3008	20S	0	0	0	0	0	5MR	0	20S	2.8
23	VL 3009	0	5MR	TR	0	0	0	0	0	5MR	0.3
24	VL 4001	0	0	0	0	0	0	10S	0	10S	1.3
II. NORTH WESTERN PLAIN ZONE											
25	DBW 147	0	0	0	0	0	0	5S	5S	5S	1.3
26	DBW 148	0	5MS	0	0	0	0	0	5S	5S	1.1
27	DBW 150	0	0	0	0	0	0	5MS	0	5MS	0.5
28	DDW 31	0	TR	0	0	0	0	0	0	TR	0.0
29	DDW 32	0	5MR	0	0	0	0	0	0	5MR	0.3
30	HD 3159	0	TMR	0	0	0	0	10S	0	10S	1.3
31	HD 3165	0	TMR	10S	0	0	0	0	0	10S	1.3
32	HD 3174	0	TMS	5S	0	0	0	5MS	0	5S	1.2
33	HI 1604	0	5MS	0	0	0	0	5MS	0	5MS	1.0
34	HI 1605	0	15S	0	0	0	0	0	0	15S	1.9
35	HUW 688	0	0	0	0	0	0	5MS	0	5MS	0.5
36	K 1312	0	0	0	0	0	0	5S	0	5S	0.6
37	K 1313	0	0	0	0	0	0	10MS	0	10MS	1.0
38	K 1314	0	0	5S	0	0	0	20S	0	20S	3.1
39	MACS 3949	0	0	0	0	0	0	0	0	0	0.0
40	MACS 4024	0	0	0	0	0	0	0	0	0	0.0
40. A	INFECTOR	100S	60S	40S	100S	60S	40S	60S	60S	100S	65.0
41	NW 6024	-	-	-	-	-	-	-	-	-	-
42	PBW 707	20S	20S	5S	10S	0	10S	5S	0	20S	8.8
43	PBW 709	0	0	0	0	0	0	0	0	0	0.0
44	PBW 716	0	0	0	0	0	0	5MS	0	5MS	0.5
45	PBW 718	0	0	0	0	0	0	0	0	0	0.0
46	PBW 719	0	0	0	0	0	0	5MS	0	5MS	0.5
47	UP 2883	0	5S	TR	0	0	0	5MS	0	5S	1.2
48	WH 1179	0	10MS	10S	10MS	0	0	5S	20S	20S	6.4
III. NORTH EASTERN PLAIN ZONE											
49	HD 3171	0	10MS	0	0	0	0	20S	TS	20S	3.6
50	K 1317	0	0	0	0	0	40S	10S	0	40S	6.3
IV. CENTRAL ZONE											
51	CG 1015	0	10S	0	0	0	20S	5S	20S	20S	6.9
52	GW 463	0	0	0	0	0	0	10MS	TMS	10MS	1.1
53	HI 8759 (d)	0	TMR	0	0	0	5S	0	0	5S	0.7
V. PENINSULAR ZONE											
54	GW 1315 (d)	0	0	0	0	0	20S	10S	0	20S	3.8
55	HD 3164	0	0	20S	0	0	0	10MS	0	20S	3.5
56	HI 8765 (d)	0	0	0	0	0	0	5MS	0	5MS	0.5
57	JWS 712	0	0	0	0	0	0	5S	0	5S	0.6
58	K 1315	0	0	0	0	0	0	0	0	0	0.0
59	MACS 3970 (d)	0	0	TR	0	0	0	0	TS	TS	0.2
60	MACS 3972 (d)	20S	5MR	0	0	0	TS	0	5S	20S	3.5
60. A	INFECTOR	100S	60S	40S	80S	40S	40S	60S	60S	100S	60.0
61	MACS 4020 (d)	0	10MR	0	0	0	10S	0	5S	10S	2.4

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
62	PBW 721	10S	0	0	0	0	0	0	0	10S	1.3
63	UAS 360	20S	0	0	0	0	0	5MS	0	20S	3.0
64	UAS 361	0	0	TR	0	0	5S	5MR	0	5S	0.9
65	UAS 453 (d)	20S	0	0	0	0	0	0	0	20S	2.5
66	UAS 455 (d)	10S	10MR	TR	0	0	0	0	0	10S	1.8
VI. SPECIAL TRIAL (Dicoccum and Sainlity and Alkalinity)											
67	DBW 181	20S	0	0	0	0	0	5S	0	20S	3.1
68	DBW 182	0	0	0	0	0	0	10S	0	10S	1.3
69	DBW 183	0	TMR	0	0	0	0	5MS	0	5MS	0.6
70	DBW 184	0	10MR	50S	0	0	40S	0	0	50S	11.8
71	DBW 185	0	10MS	15S	0	0	5S	5MR	20S	20S	6.3
72	DDK 1048	0	0	0	0	0	0	5S	0	5S	0.6
73	DDK 1049	0	0	0	0	0	0	0	0	0	0.0
74	KRL 350	0	0	0	0	0	0	0	0	0	0.0
75	KRL 351	0	0	0	0	0	0	5MS	0	5MS	0.5
76	MACS 5041	0	0	0	0	0	0	0	0	0	0.0
77	MACS 5043	0	0	0	0	0	0	0	0	0	0.0
78	WH 1309	0	0	10S	0	0	0	5S	0	10S	1.9
VII. SPECIAL TRIAL (TRITICALE)											
79	TL 3001	0	0	0	0	0	0	0	0	0	0.0
80	TL 3002	0	0	0	0	10MS	0	0	0	10MS	1.0
80. A	INFECTOR	80S	80S	50S	100S	60S	20S	60S	60S	100S	63.8
81	TL 3003	0	0	0	0	0	0	0	0	0	0.0
82	TL 3004	0	0	0	0	0	0	0	0	0	0.0
83	TL 3005	0	0	0	0	0	0	0	0	0	0.0
VIII. SPECIAL TRIAL (MABB/NIL (KB) ENTRIES)											
84	DWR-NIL-01	20S	20S	50S	0	0	5S	5MS	0	50S	12.4
85	DWR-NIL-02	0	5MR	0	0	0	0	0	TS	5MR	0.4
86	HD 3209	0	0	0	0	0	0	5S	0	5S	0.6
87	KB 2012-13	0	0	5S	0	0	0	0	0	5S	0.6
IX. SPECIAL TRIAL (Wheat Biofortification)											
88	HPBW 01	0	0	0	0	0	0	5MR	0	5MR	0.3
89	HPBW 02	0	0	0	0	0	0	0	0	0	0.0
90	HPBW 05	0	10MS	5S	0	0	0	0	0	10MS	1.6
91	HPBW 07	0	60S	40S	30S	0	0	0	40S	60S	21.3
92	HPBW 08	0	0	0	0	0	0	0	0	0	0.0
93	HPBW 09	0	0	0	0	0	0	0	0	0	0.0
94	HUW 695	0	0	0	0	0	0	0	0	0	0.0
95	HUW 711	0	0	0	0	0	0	5MS	0	5MS	0.5
96	HUW 712	0	0	0	0	0	0	0	0	0	0.0
97	MACS 6507	0	0	TR	0	0	0	0	0	TR	0.0
98	WB 1	0	0	0	0	0	0	0	0	0	0.0
99	WB 2	0	0	0	0	0	0	5MS	0	5MS	0.5
100	WB 5	0	0	0	0	0	0	5MS	0	5MS	0.5
100. A	INFECTOR	100S	80S	40S	100S	60S	40S	80S	60S	100S	70.0
<b>NIVT 1A</b>											
1	WH 1182	0	0	0	0	0	0	0	0	0	0.0
2	HD 2733 (C)	0	TMR	0	0	0	0	0	0	TMR	0.1
3	DBW 158	0	40S	10S	10S	0	40S	0	0	40S	12.5
4	BRW 3762	0	TS	0	0	0	0	0	0	TS	0.1
5	HUW 701	0	5MR	0	TR	0	0	10S	0	10S	1.5
6	PBW 724	0	0	0	TR	TS	0	20MR	0	20MR	1.2

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
7	HD 3186	0	15S	0	0	0	0	5S	0	15S	2.5
8	HD 3180	0	0	0	0	0	0	40S	0	40S*	5.0
9	UP 2901	0	0	0	0	0	0	5MS	0	5MS	0.5
10	JAUW 635	0	TMS	0	0	5S	0	0	0	5S	0.7
11	WH 1186	0	0	0	0	0	0	10S	0	10S	1.3
12	DBW 159	0	0	0	0	TS	0	5S	0	5S	0.8
13	DBW 156	0	TMR	0	0	0	0	20S	0	20S	2.6
14	HS 602	0	10S	0	0	0	5S	10S	0	10S	3.1
15	K 1401	0	0	0	0	0	0	10S	0	10S	1.3
16	PBW 725	0	5S	0	0	0	0	0	0	5S	0.6
17	WH 1184	0	TMS	0	0	0	0	20MR	0	20MR	1.1
18	Raj 4418	0	0	0	0	0	0	20S	0	20S	2.5
19	K 1402	0	0	0	0	0	0	20MR	0	20MR	1.0
20	HD 3182	0	TMS	0	0	0	0	40S	0	40S*	5.1
20. A	INFECTOR	80S	60S	40S	80S	60S	20S	60S	60S	80S	57.5
21	JKW 205	0	0	0	0	10S	0	20S	0	20S	3.8
22	PBW 727	0	0	0	0	0	0	20MS	0	20MS	2.0
23	NW 6047	20S	0	0	0	TS	0	0	0	20S	2.6
24	PBW 726	0	0	0	0	0	0	30S	0	30S	3.8
25	WH 1183	0	0	0	0	0	0	20MS	0	20MS	2.0
26	UP 2904	0	0	0	20S	0	0	0	0	20S	2.5
27	DBW 160	0	0	0	0	TS	0	10S	0	10S	1.4
28	DBW 162	0	0	0	0	0	0	15MR	0	15MR	0.8
29	BRW 3763	0	0	0	0	0	0	0	0	0	0.0
30	UP 2903	0	0	0	0	0	0	0	0	0	0.0
31	Mahyco-Goal	0	0	0	0	5S	0	0	0	5S	0.6
32	DBW 161	0	10MS	0	0	0	5S	20MR	0	10MS	2.6
33	HD 3181	0	TMS	0	0	0	0	10S	0	10S	1.4
34	DBW 157	0	0	0	0	0	0	20MR	0	20MR	1.0
35	HD 3184	0	0	0	0	0	0	20S	0	20S	2.5
36	NW 6050	0	0	0	0	0	0	0	0	0	0.0
37	HD 3183	0	0	0	0	TS	0	10S	0	10S	1.4
38	PBW 728	0	10MR	0	0	0	0	20MS	0	20MS	2.5
39	Raj 4421	0	0	0	0	0	0	5S	0	5S	0.6
40	Raj 4419	0	0	0	0	0	0	0	0	0	0.0
40. A	INFECTOR	100S	80S	40S	80S	60S	40S	80S	60S	100S	67.5
41	HUW 702	0	0	0	0	0	0	0	0	0	0.0
42	UP 2905	0	0	0	0	0	0	0	0	0	0.0
43	UP 2902	0	0	0	0	5S	0	40S	0	40S*	5.6
44	HD 3185	0	0	0	0	0	0	10S	0	10S	1.3
45	WH 1185	40S	TMS	0	0	0	0	10S	0	40S	6.4
46	Raj 4417	20S	0	0	0	0	0	0	0	20S	2.5
<b>NIVT 1B</b>											
47	Raj 4422	20S	10MR	0	0	30S	40S	0	0	40S	11.8
48	K 1404	20S	0	0	0	0	5S	10S	0	20S	4.4
49	NW 6056	10S	0	0	0	0	0	5S	0	10S	1.9
50	NW 6048	0	0	0	0	0	0	10MS	0	10MS	1.0
51	K 1406	0	0	0	0	20S	0	20MS	0	20S	4.5
52	DBW 166	0	0	0	0	0	0	20S	0	20S	2.5
53	HUW 705	0	10MS	0	0	0	0	10MS	0	10MS	2.0
54	PBW 729	0	0	0	20S	0	0	20MR	0	20S	3.5
55	Raj 4423	0	0	0	0	10S	0	0	0	10S	1.3

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
56	DBW 165	0	0	0	0	0	0	0	0	0	0.0
57	HD 3188	0	0	0	0	0	0	20S	0	20S	2.5
58	BRW 3759	0	20S	0	0	0	0	0	0	20S	2.5
59	WH 1187	0	0	0	0	0	0	10S	0	10S	1.3
60	K 1405	0	0	0	0	0	0	0	0	0	0.0
60. A	INFECTOR	80S	80S	60S	100S	60S	20S	60S	60S	100S	65.0
61	HUW 706	0	0	0	0	0	0	20MS	0	20MS	2.0
62	NW 6052	0	20S	0	0	0	0	10S	0	20S	3.8
63	WH 1189	0	10S	0	0	5S	0	0	0	10S	1.9
64	K 1408	0	0	0	0	0	0	0	0	0	0.0
65	HD 3191	0	0	0	0	0	0	10S	0	10S	1.3
66	HD 3193	0	0	0	0	0	0	0	0	0	0.0
67	HD 3192	0	10MS	TR	10MS	0	0	20MR	0	10MS	3.0
68	Raj 4415	0	TMS	0	0	0	0	0	0	TMS	0.1
69	HUW 703	0	10S	0	TS	0	0	0	0	10S	1.4
70	JKW 208	0	10S	0	0	TS	0	10S	0	10S	2.6
71	HD 3194	0	TS	0	0	0	0	10S	0	10S	1.4
72	WH 1188	0	5MR	0	0	0	0	10S	0	10S	1.5
73	HD 3187	0	20S	0	0	TS	0	5S	0	20S	3.3
74	K 1407	0	15S	0	TS	TS	0	5S	0	15S	2.8
75	HUW 704	0	TMR	0	0	0	0	5S	0	5S	0.7
76	BRW 3767	0	0	0	0	0	0	0	0	0	0.0
77	BRW 3765	0	0	0	0	10S	0	0	0	10S	1.3
78	HUW 707	0	0	0	0	0	0	10MR	0	10MR	0.5
79	PBW 730	0	0	0	0	TS	0	0	0	TS	0.1
80	JKW 207	0	10MS	0	5S	0	0	0	0	10MS	1.6
80. A	INFECTOR	100S	60S	40S	100S	80S	20S	60S	60S	100S	65.0
81	HD 3190	0	0	0	0	0	0	5S	0	5S	0.6
82	DBW 164	0	60S	10S	40S	0	40S	10S	0	60S	20.0
83	UP 2907	0	0	0	0	30S	0	10S	0	30S	5.0
84	PBW 731	0	TMS	0	0	0	0	5S	0	5S	0.7
85	HD 3189	0	5MR	0	0	TS	0	5S	0	5S	1.0
86	UP 2906	0	0	0	0	0	0	0	0	0	0.0
87	DBW 167	0	0	0	0	5S	0	0	0	5S	0.6
88	UP 2908	0	5MR	0	0	0	0	0	0	5MR	0.3
89	NW 6054	20S	0	0	0	10S	0	0	0	20S	3.8
90	NW 6049	0	10MS	0	0	0	0	0	0	10MS	1.0
91	DBW 163	0	0	0	0	0	0	0	0	0	0.0
<b>NIVT 2</b>											
92	DBW 170	0	0	0	0	0	0	60S	0	60S*	7.5
93	DBW 169	0	0	0	0	0	0	0	0	0	0.0
94	UAS 372	0	TMR	0	TR	5S	0	5S	0	5S	1.3
95	HI 1610	0	0	0	TR	0	0	10MR	0	10MR	0.5
96	UP 2909	0	5MR	TR	0	0	0	0	0	5MR	0.3
97	HI 1608	0	0	0	5MS	TS	0	10MS	0	10MS	1.6
98	GW 468	0	0	0	0	0	0	20MS	0	20MS	2.0
99	JWS 147	0	0	0	0	TS	0	0	0	TS	0.1
100	MACS 6671	0	0	0	0	0	0	0	0	0	0.0
100. A	INFECTOR	100S	80S	30S	100S	60S	20S	60S	60S	100S	63.8
101	DBW 168	TR	0	0	0	0	0	40S	0	40S*	5.0
102	MP 1309	0	10S	0	10S	0	10S	20S	0	20S	6.3
103	HI 1607	0	0	0	5MR	5S	0	5S	0	5S	1.5

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
104	Raj 4424	0	0	0	0	TS	0	30S	0	30S	3.9
105	UAS 370	0	0	0	0	0	0	5MS	0	5MS	0.5
106	WH 1190	0	5S	0	0	TS	0	5S	0	5S	1.4
107	HI 1609	0	0	0	TR	0	0	5MS	0	5MS	0.5
108	HP 1960	0	0	0	0	0	0	20S	0	20S	2.5
109	MP 1310	0	10S	0	0	TMS	0	5S	0	10S	2.0
110	RVW 4232	0	0	0	0	0	0	20S	0	20S	2.5
111	UAS 369	0	0	0	0	0	0	10S	0	10S	1.3
112	MP 3440	0	0	0	0	TS	0	5MR	0	5MR	0.4
113	NIAW 2595	0	0	0	0	0	0	10MR	0	10MR	0.5
114	NIAW 2495	0	0	0	30S	TS	0	10S	0	30S	5.1
115	GW 473	0	0	0	0	0	0	0	0	0	0.0
116	AKAW 4798	0	5MS	TR	0	0	0	10MR	0	5MS	1.0
117	UAS 371	0	0	0	0	5S	0	0	0	5S	0.6
118	MACS 6668	40S	0	0	0	0	0	10S	0	40S	6.3
119	GW 471	0	0	0	0	TS	0	20S	0	20S	2.6
120	MP 1311	20S	10S	0	TR	0	0	0	0	20S	3.8
120. A	INFECTOR	100S	60S	10S	100S	60S	20S	60S	60S	100S	58.8
121	NIAW 2539	0	0	0	0	0	0	10S	0	10S	1.3
122	PBW 732	0	0	0	0	0	0	0	0	0	0.0
123	GW 469	0	0	0	0	5S	0	0	0	5S	0.6
124	GW 470	40S	0	0	0	TS	0	20MS	0	40S	7.1
125	CG 1016	0	TMS	0	0	TMS	0	10S	0	10S	1.5
<b>NIVT - 3A</b>											
126	HD 3199	10S	5MR	0	5MS	0	0	5MR	0	10S	2.3
127	WH 1191	0	0	0	0	0	0	10MR	0	10MR	0.5
128	NW 6066	0	0	0	0	TMS	0	20S	0	20S	2.6
129	HUW 710	0	TMR	0	0	TS	0	10S	0	10S	1.4
130	NW 6044	0	0	0	0	0	0	5S	0	5S	0.6
131	MP 1316	0	0	0	0	0	0	5S	0	5S	0.6
132	HP 1961	0	0	5S	40S	5S	40S	40S	0	40S	16.3
133	HD 3197	0	0	0	0	0	0	10MR	0	10MR	0.5
134	HUW 709	0	15S	0	0	0	0	10MR	0	15S	2.4
135	RAJ 4429	0	0	0	0	0	0	0	0	0	0.0
136	HD 3198	0	0	0	0	0	0	0	0	0	0.0
137	DBW 172	0	0	0	0	0	0	0	0	0	0.0
138	DBW 171	TR	5MR	5S	0	0	0	5MR	0	5S	1.2
139	UP 2913	0	0	0	0	0	0	40S	0	40S*	5.0
140	K 1412	0	0	0	0	0	0	10MS	0	10MS	1.0
140. A	INFECTOR	100S	60S	20S	100S	60S	40S	60S	60S	100S	62.5
141	WH 1192	0	0	0	0	0	0	20S	0	20S	2.5
142	UP 2910	0	5MR	0	0	0	0	20S	0	20S	2.8
143	PBW 735	0	0	0	0	0	0	20S	0	20S	2.5
144	HUW 708	0	0	0	0	0	0	0	0	0	0.0
145	HD 3200	0	0	0	0	TS	0	0	0	TS	0.1
146	WH 1193	0	10MR	0	0	0	0	20MR	0	20MR	1.5
147	K 1413	0	0	0	0	0	0	5S	0	5S	0.6
148	PBW 736	0	TMR	TR	0	0	0	0	0	TMR	0.1
149	DBW 173	0	0	0	0	0	0	0	0	0	0.0
150	DBW 174	20S	0	0	0	0	0	10MR	0	20S	3.0
151	UP 2911	0	0	0	0	0	0	5S	0	5S	0.6
152	PBW 734	0	0	0	0	0	0	5S	0	5S	0.6

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
153	K 1414	0	0	0	0	0	0	0	0	0	0.0
154	PBW 733	0	0	0	0	0	0	0	0	0	0.0
155	JKW 206	0	TMR	0	0	0	0	10S	0	10S	1.3
156	HD 3201	0	0	0	0	0	0	0	0	0	0.0
157	RAJ 4428	20S	0	0	0	0	0	0	0	20S	2.5
<b>NIVT 3B</b>											
158	CG 1019	20S	0	0	0	0	0	0	0	20S	2.5
159	MP 3436	60S	0	0	0	0	0	5S	0	60S*	8.1
160	MP 3433	0	10MS	TR	0	TS	0	10S	0	10S	2.4
160. A	INFECTOR	100S	80S	50S	100S	80S	40S	60S	60S	100S	71.3
161	GW 477	0	0	0	0	0	0	5S	0	5S	0.6
162	MACS 6669	0	0	0	0	0	0	5S	0	5S	0.6
163	UAS 371	0	0	0	0	TS	0	10MR	0	10MR	0.6
164	UAS 373	0	0	0	0	0	0	40S	0	40S*	5.0
165	HI 1611	0	0	0	0	0	0	20S	0	20S	2.5
166	MACS 6635	0	0	0	0	0	0	0	0	0	0.0
167	GW 475	20S	0	0	0	TS	0	10S	0	20S	3.9
168	AKAW 4842	0	0	0	0	0	0	0	0	0	0.0
169	RVW 4235	0	0	0	10S	0	0	5S	0	10S	1.9
170	DBW 175	0	TMR	0	0	0	0	0	0	TMR	0.1
171	MP 1313	0	20S	0	0	0	20S	5S	0	20S	5.6
172	MP 1312	0	TS	0	0	10S	0	0	0	10S	1.4
173	WH 1195	0	0	0	0	0	0	0	0	0	0.0
174	NIAW 34 (C)	0	15S	0	0	0	0	10S	0	15S	3.1
175	DBW 176	0	TMS	0	0	5S	0	5S	0	5S	1.4
176	NIAW 2613	0	0	0	0	20S	0	0	0	20S	2.5
177	RAJ 4427	20S	0	0	0	0	0	0	0	20S	2.5
178	PBW 743	0	0	0	0	TS	10S	0	0	10S	1.4
179	WH 1194	0	20S	0	0	0	0	10MR	0	20S	3.0
180	PBW 739	0	0	0	0	0	0	0	0	0	0.0
180. A	INFECTOR	100S	60S	40S	80S	60S	20S	60S	60S	100S	60.0
181	HI 8767	0	5MR	0	0	0	0	5S	0	5S	0.9
182	HW 3906	0	0	0	0	0	0	10S	0	10S	1.3
183	NIAW 2565	20S	0	0	0	TS	0	0	0	20S	2.6
184	CG 1017	0	0	0	0	0	0	10S	0	10S	1.3
185	GW 478	40S	0	0	0	0	0	5S	0	40S*	5.6
186	GW 474	0	0	0	0	0	0	10S	0	10S	1.3
187	UP 2912	0	0	0	0	0	0	20S	0	20S	2.5
188	DBW 177	0	0	0	0	0	0	20S	0	20S	2.5
189	HD 3206	0	0	0	0	TS	0	40S	0	40S*	5.1
190	RAJ 4426	0	0	0	0	0	0	10MR	0	10MR	0.5
<b>NIVT - 4</b>											
191	MACS 4035	0	5MS	0	0	0	20S	0	0	20S	3.0
192	UAS 456	0	0	0	0	0	0	0	0	0	0.0
193	UAS 457	0	0	0	0	0	0	0	0	0	0.0
194	MPO 1314	0	5MR	0	0	TS	0	0	0	5MR	0.4
195	GW 1318	0	10MR	0	0	0	0	0	0	10MR	0.5
196	RKD 291	0	15S	0	0	0	0	0	0	15S	1.9
197	DDW 36	0	0	0	0	0	0	0	0	0	0.0
198	PDW 343	0	10MS	0	0	0	0	0	0	10MS	1.0
199	MACS 3973	0	10MS	0	0	0	0	0	0	10MS	1.0
200	WHD 957	0	10MR	0	0	0	0	0	0	10MR	0.5



St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
200. A	INFECTOR	100S	80S	50S	80S	60S	40S	60S	60S	100S	66.3
201	NIDW 295 (C)	10S	0	0	0	0	0	0	0	10S	1.3
202	PDW 345	0	5MR	0	0	0	0	0	0	5MR	0.3
203	NIDW 950	0	15MR	0	0	0	0	0	0	15MR	0.8
204	GW 1321	0	TMR	0	0	0	0	0	0	TMR	0.1
205	HI 8772	0	0	0	0	0	0	0	0	0	0.0
206	GW 1319	0	TMR	0	0	0	5S	0	0	5S	0.7
207	GW 1320	0	5MR	0	0	0	0	0	0	5MR	0.3
208	UPD 97	0	5MR	0	0	0	0	0	0	5MR	0.3
209	PBND 5175	0	10S	0	0	0	0	0	0	10S	1.3
210	HI 8770	0	0	0	0	TS	0	0	0	TS	0.1
211	PDW 346	20S	TR	0	0	0	0	0	0	20S	2.5
212	HI 8771	0	0	0	0	0	0	0	0	0	0.0
213	DDW 35	0	0	0	0	0	0	0	0	0	0.0
214	RKD 282	0	10MR	0	0	0	0	0	0	10MR	0.5
215	HI 8768	0	10MR	0	0	0	0	0	0	10MR	0.5
216	HI 8769	0	TMR	0	0	0	0	0	0	TMR	0.1
217	HI 8773	0	0	0	0	0	0	0	0	0	0.0
218	PDW 344	0	TR	0	0	0	0	0	0	TR	0.0
219	WHD 958	0	TMR	0	0	0	0	0	0	TMR	0.1
220	HI 8774	0	5MR	0	0	0	0	0	0	5MR	0.3
220. A	INFECTOR	100S	60S	20S	100S	80S	40S	60S	60S	100S	65.0
221	MPO 1315	0	0	0	0	0	0	0	0	0	0.0
222	AKDW 4525	0	0	0	0	0	0	0	0	0	0.0
223	MACS 4029	0	20S	TR	0	0	10S	0	0	20S	3.8
224	NIDW 989	0	10MS	0	0	0	0	10MR	0	10MS	1.5
<b>NIVT - 5A</b>											
225	MACS 6660	20S	20S	0	0	TS	0	60S	0	60S	12.6
226	HD 3204	0	0	0	0	0	0	0	0	0	0.0
227	UP 2914	0	10MS	0	0	0	0	5S	0	10MS	1.6
228	WH 1181	0	TMR	0	0	0	0	0	0	TMR	0.1
229	MP 3429	0	0	0	0	TS	0	10S	0	10S	1.4
230	AKAW 3891	10S	20S	0	0	0	40S	0	0	40S	8.8
231	NW 6046	10S	0	0	0	0	0	0	0	10S	1.3
232	JWS 146	0	0	0	0	0	0	0	0	0	0.0
233	BRW 3761	0	60S	20S	60S	0	0	0	0	60S	17.5
234	K 1415	0	0	0	10S	0	0	0	0	10S	1.3
235	MP 1304	0	0	0	0	0	0	0	0	0	0.0
236	MP 3288 (C)	0	TMR	0	0	TS	0	0	0	TS	0.2
237	UP 2915	40S	60S	40S	0	0	0	0	40S	60S	22.5
238	UAS 375	40S	0	0	0	0	0	5S	0	40S*	5.6
239	MP 1303	0	40MS	0	0	0	0	20S	0	40MS	6.5
240	HD 3205	0	0	0	0	0	0	20S	0	20S	2.5
240. A	INFECTOR	100S	80S	60S	100S	80S	40S	60S	60S	100S	72.5
241	DBW 178	0	0	0	0	0	0	10MR	0	10MR	0.5
242	HI 1612	0	TMR	0	0	0	0	20S	0	20S	2.6
243	NIAW 2547	0	0	0	0	0	0	0	0	0	0.0
244	MP 1305	0	15S	0	0	5S	0	0	0	15S	2.5
245	HD 3203	0	0	0	0	TS	0	20S	0	20S	2.6
246	HD 3202	10S	0	0	0	0	0	0	0	10S	1.3
247	MP 1306	0	5MR	0	0	TS	0	10MR	0	10MR	0.9
248	WH 1180	0	0	0	0	TS	0	0	0	TS	0.1

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
249	MACS 6659	0	10MS	0	0	TS	0	10S	0	10S	2.4
250	K 1417	0	0	0	0	0	0	20MR	0	20MR	1.0
251	CG 1018	0	0	0	0	0	0	10S	0	10S	1.3
252	DBW 179	0	0	0	0	0	0	20S	0	20S	2.5
253	DBW 180	0	0	0	0	0	0	0	0	0	0.0
254	UAS 374	0	0	0	0	0	0	0	0	0	0.0
255	PBW 737	0	15MS	0	0	0	0	20MR	0	15MS	2.5
256	K 1416	0	20S	0	0	0	0	10S	0	20S	3.8
257	PBW 738	0	0	0	0	0	0	20S	0	20S	2.5
<b>NIVT - 5B</b>											
258	GW 1324	0	5S	0	0	TMS	20S	5MR	0	20S	3.5
259	MPO 1307	0	0	0	0	0	0	0	0	0	0.0
260	RKD 283	0	0	0	0	0	0	0	0	0	0.0
260. A	INFECTOR	100S	80S	40S	100S	80S	60S	60S	60S	100S	72.5
261	GW 1325	0	0	0	0	TS	5S	10S	0	10S	2.0
262	KD 1418	0	0	0	0	0	0	0	0	0	0.0
263	MACS 4027	0	0	0	0	TS	5S	0	0	5S	0.8
264	HI 8778	0	5S	0	0	0	0	5S	0	5S	1.3
265	HI 8776	0	5MR	0	0	0	0	0	0	5MR	0.3
266	HI 8775	0	0	0	0	0	0	0	0	0	0.0
267	HI 8777	0	10MR	0	0	0	0	10MS	0	10MS	1.5
268	GW 1323	0	0	0	0	0	0	20MS	0	20MS	2.0
269	GW 1327	0	5S	0	0	0	0	0	0	5S	0.6
270	MPO 1308	0	TMR	0	0	0	0	0	0	TMR	0.1
271	MACS 4028	0	10S	0	0	0	5S	0	0	10S	1.9
272	DDW 38	20S	0	0	0	0	0	0	0	20S	2.5
273	NIDW 937	0	0	0	0	0	5S	0	0	5S	0.6
274	HI 8779	0	5MR	0	0	0	0	0	0	5MR	0.3
275	MACS 4030	0	5MR	0	0	0	0	5MR	0	5MR	0.5
276	RKD 292	40S	0	0	0	0	0	5S	0	40S*	5.6
277	HI 8627 (C)	0	0	0	0	0	0	0	0	0	0.0
278	UAS 458	0	5MR	0	0	0	0	10S	0	10S	1.5
279	UAS 459	0	15MR	0	0	0	0	0	0	15MR	0.8
280	GW 1326	0	0	0	0	0	0	0	0	0	0.0
280. A	INFECTOR	100S	80S	60S	100S	60S	20S	60S	60S	100S	67.5
281	DDW 37	10S	10MR	0	0	0	0	5S	0	10S	2.4
<b>IVT</b>											
<b>I. NORTHERN HILL ZONE</b>											
282	VL 2015	0	10S	0	0	0	0	10S	0	10S	2.5
283	HS 605	0	TMR	0	0	0	0	0	0	TMR	0.1
284	HS 608	0	10S	0	0	0	0	0	0	10S	1.3
285	VL 2013	0	0	0	0	0	0	0	0	0	0.0
286	HPW 420	0	0	0	0	0	0	0	0	0	0.0
287	VL 2017	0	10MS	0	0	0	0	0	0	10MS	1.0
288	VL 2016	20S	0	0	0	0	0	0	0	20S	2.5
289	HPW 418	0	TMR	0	0	0	0	0	0	TMR	0.1
290	VL 2018	20S	10S	0	0	0	0	0	0	20S	3.8
291	HS 606	20S	10S	0	0	TS	0	0	0	20S	3.9
292	HPW 414	20S	20S	0	0	0	10S	0	0	20S	6.3
293	HS 603	20S	30MS	TR	0	0	0	5S	0	30MS	6.2
294	HPW 415	0	30S	TR	0	0	0	0	0	30S	3.8
295	UP 2916	0	0	0	0	TS	0	5MS	0	5MS	0.6

St. No.	Variety	Kanpur	Durgapura	Pantnagar	Delhi	Hisar	Ludhiana	Jammu	Karnal	HS	ACI
296	HPW 417	0	20S	5S	40S	TS	20S	0	0	40S	10.8
297	VL 2014	0	0	0	0	0	0	5S	0	5S	0.6
298	HS 597	0	20S	0	0	0	0	0	0	20S	2.5
299	HS 604	60S	0	0	0	0	0	0	0	60S*	7.5
300	HPW 416	0	0	0	0	0	0	0	0	0	0.0
300. A	INFECTOR	100S	60S	20S	80S	80S	20S	60S	60S	100S	60.0
301	HS 607	20S	0	0	0	0	0	5S	0	20S	3.1
302	HPW 419	40S	5MR	0	0	0	0	0	0	40S*	5.3
<b>II. SOUTHERN HILLS ZONE</b>											
303	HW 5248	20S	0	0	0	0	0	10MR	0	20S	3.0
304	HW 4206	0	0	0	0	0	0	20MS	0	20MS	2.0
305	HW 4207	0	0	0	0	0	0	0	0	0	0.0
306	HW 2044 (C)	0	-	0	0	0	0	0	0	0	0.0
307	HW 4501	0	0	0	0	0	0	10MR	0	10MR	0.5
308	HW 5216 (C)	0	0	0	0	0	0	0	0	0	0.0
309	HW 3624-1	0	0	0	0	0	0	20S	0	20S	2.5
310	HW 4305-2	40S	0	0	0	TS	0	10MR	0	40S	5.6
311	HW 3658	20S	0	0	0	0	0	10MR	0	20S	3.0
312	HW 4205-2	0	0	0	0	5S	0	10MS	0	10MS	1.6
313	MACS 6670	0	0	0	0	0	0	20S	0	20S	2.5
314	HW 5246	20S	0	0	0	0	0	0	0	20S	2.5
315	CoW (W) 1 (C)	0	30S	0	0	0	0	0	0	30S	3.8
316	HW 5245	0	5S	0	0	0	0	0	0	5S	0.6
317	UAS 376	10S	0	0	0	0	0	10S	0	10S	2.5
318	NIAW 2613	0	TMR	0	0	0	0	40S	0	40S*	5.1
319	HS 609	0	0	0	0	0	0	10MR	0	10MR	0.5
320	HS 610	0	0	0	0	0	0	10MR	0	10MR	0.5
321	UAS 377	0	0	0	0	0	0	5S	0	5S	0.6
322	HW 5247	0	TMR	0	0	0	0	0	0	TMR	0.1
<b>III. SPECIAL MATERIAL</b>											
323	HW 5050	0	10MS	0	0	0	0	10MS	0	10MS	2.0
324	HW 5051	20S	0	0	0	0	0	0	0	20S	2.5
324.A	INFECTOR	100S	80S	50S	100S	60S	40S	60S	60S	100S	68.8