

Adult plant response of AVT IInd year, Ist year and NIVT material against Leaf rust (north) under field conditions (artificial inoculations) during 2015-16

		Ludhiana	Delhi	Hisar	Jamm	Kanpur	Pantnagar	Durgapura	Karnal	HS	ACI
AVT IInd Year											
I. NORTHERN HILL ZONE											
1	HPW 251 (C)	0	5MS	10S	5MS	0	0	0	0	10S	2.3
2	HS 375 (C)	5S	5MR	30S	10S	0	TR	0	0	30S	5.9
3	HS 490 (C)	0	TR	10S	0	0	0	0	0	10S	1.3
4	HS 507 (C)	5S	0	10MS	TR	0	0	0	0	10MS	1.7
5	HS 542 (C)	0	TR	5S	0	0	0	0	0	5S	0.7
6	VL 829 (C)	0	TR	10MS	10MS	0	0	5MS	0	10MS	2.5
7	VL 892 (C)	0	0	40S	0	0	0	0	0	40S*	5.0
II. NORTH WESTERN PLAIN ZONE											
8	DBW 88 (C)	10S	0	5MS	TR	0	0	5MS	0	10S	2.3
9	DBW 90 (C)	20S	5MS	20S	5MS	0	TR	TMS	0	20S	6.2
10	HD 3043 (C)	40S	5MS	20MS	10MS	0	0	TS	0	40S	8.6
11	HD 2967 (C)	0	5MR	10S	5S	0	0	0	10MR	10S	2.6
12	HD 3059 (C)	TS	TR	10MS	0	0	0	0	0	10MS	1.2
13	HD 3086 (C)	20S	TR	30S	5MS	0	0	5MS	0	30S	7.2
14	PBW 644 (C)	5S	0	10S	TR	0	0	0	0	10S	1.9
15	WH 1021 (C)	5S	0	10S	5MS	0	0	0	0	10S	2.4
16	WH 1080 (C)	10S	5MR	10S	5S	20S	0	0	0	20S	5.9
17	WH 1105 (C)	40S	5S	0	10S	0	0	TMS	0	40S	7.0
18	WH 1124 (C)	10S	5MR	30S	5S	10S	0	TMS	0	30S	7.2
19	WH 1142 (I) (C)	0	5MR	0	0	0	0	15S	20S	20S	4.6
III. NORTH EASTERN PLAIN ZONE											
20	HD 3171	0	0	0	10S	0	0	0	0	10S	1.3
20. A	INFECTOR	40S	90S	30S	60S	100S	70S	80S	40S	100S	63.8
21	K 1317	0	0	0	5MR	0	5S	0	0	5S	0.9
22	C 306 (C)	0	40S	20S	20S	20S	70S	80S	20S	80S	33.8
23	DBW 39 (C)	0	TR	10S	0	0	0	5S	0	10S	1.9
24	HD 2733 (C)	0	10MS	10S	0	0	0	0	0	10S	2.2
25	HD 2888 (C)	0	TR	5S	TS	0	0	0	0	5S	0.8
26	K 8027 (C)	0	40S	20S	40S	0	30S	30S	0	40S	20.0
27	K 0307 (C)	0	5MR	TS	5S	40S	0	0	10MR	40S	6.5
28	K 1006 (C)	0	TR	5S	0	0	0	10MR	0	5S	1.2
IV. CENTRAL ZONE											
29	HI 8759 (D)	0	0	5MS	0	0	0	5MS	0	5MS	1.0
30	HD 4728 (D) (I) (C)	0	0	5MS	0	0	0	0	0	5MS	0.5
31	HI 8498 (D) (C)	0	5MR	0	0	0	10S	5MR	0	10S	1.8
32	HI 8737 (D) (C)	0	5MR	10MS	0	10S	0	TR	0	10S	2.5
33	MPO 1215 (d) (C)	0	0	0	0	0	0	TR	0	TR	0.0
V. PENINSULAR ZONE											
34	MACS 3949 (d)	0	TR	TS	0	0	0	0	0	TS	0.2
35	HI 1605	20S	0	0	0	20S	0	TMR	0	20S	5.1
36	AKDW 2997-16(d) (C)	0	20MR	TS	5MS	0	40S	20MS	0	40S	8.6
37	DBW 93 (C)	10S	0	20S	10S	0	0	5S	0	20S	5.6
38	HD 2932 (C)	10S	30S	20S	5S	20S	40S	20S	0	40S	18.1
39	MACS 6222 (C)	0	0	TS	TS	10S	0	0	0	10S	1.5
40	MACS 6478 (C)	0	0	TS	5S	0	0	0	0	5S	0.8
40. A	INFECTOR	40S	90S	80S	60S	100S	90S	80S	40S	100S	72.5
41	NI 5439 (C)	10S	40S	30S	20S	10S	80S	10S	0	80S	25.0
42	NIAW 1415 (C)	0	TR	20S	0	TR	0	0	0	20S	2.6
43	NIAW 34 (C)	20S	5MR	0	0	0	10S	TMR	0	20S	4.1
44	NIDW 295 (D) (C)	0	5MR	TS	0	5S	TR	0	0	5S	1.0
45	RAJ 4083 (C)	0	TR	10S	0	0	0	TMR	0	10S	1.3
46	UAS 428 (d) (C)	0	TR	5MS	TMS	0	15S	30S	0	30S	6.3
47	UAS 446 (d) (C)	0	TR	5S	0	0	TR	0	0	5S	0.7

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VI. SOUTHERN HILLS ZONE											
48	HW 2044 (C)	0	0	0	0	0	0	0	0	0	0.0
49	HW 5216 (C)	0	0	TS	0	10S	0	0	20MR	10S	2.4
50	CoW (W) -1 (C)	20S	TR	0	5MR	40S	0	5MR	20S	40S	10.5
VII. SPECIAL TRIAL (MABB-IR-LS-CZ/PZ/WB)											
51	HD 3209	0	0	5S	0	0	0	0	0	5S	0.6
52	PBW 723	TS	0	0	0	0	0	0	0	TS	0.1
53	WB 2	60S	0	0	0	0	0	5S	0	60S*	8.1
54	DBW 14 (C)	0	TR	20S	TMS	20S	TR	TMS	0	20S	5.3
55	DBW 71 (C)	0	TR	0	0	0	0	0	0	TR	0.0
56	DDK 1029 (C)	0	TR	20S	5MR	0	40MR	5MR	0	20S	5.5
57	DPW 621-50 (C)	10S	TR	5S	0	0	0	0	0	10S	1.9
58	GW 322 (C)	0	0	20S	5S	0	-	5S	0	20S	4.3
59	HD 2864 (C)	0	TR	10S	0	0	10S	0	0	10S	2.5
60	HW 1098 (C)	0	0	30S	0	10S	50MR	TMR	0	30S	7.6
60. A	INFECTOR	40S	80S	60S	60S	80S	70S	80S	40S	80S	63.8
61	Kharchia 65 (C)	40S	60S	60S	60S	100S	100S	30S	0	100S	56.3
62	KRL 19 (C)	10S	10MR	10S	20S	0	40S	TMS	0	40S	10.6
63	KRL 210 (C)	10S	TR	20S	10S	0	0	5S	0	20S	5.7
64	MP 3336 (C)	10S	TR	30S	5S	20S	0	15MS	0	30S	9.7
65	PBW 343 (C)	10S	10MR	40S	10S	10S	0	10S	0	40S	10.5
66	TL 2942 (C)	0	0	5MR	TMS	0	0	0	0	5MR	0.4
67	TL 2969 (C)	0	0	TMS	0	0	0	0	0	TMS	0.1
68	WR 544 (C)	0	0	TS	5S	0	0	0	0	5S	0.8
68. A	INFECTOR	40S	90S	80S	60S	100S	90S	90S	40S	100S	73.8
AVT Ist Year											
I. NORTHERN HILL ZONE											
1	HPW423	0	0	0	0	0	0	TMR	0	TMR	0.1
2	HPW424	0	0	10S	0	0	60S	60S	10S	60S	17.5
3	HPW432	0	TR	0	5S	10S	0	0	0	10S	1.9
4	HPW433	0	0	10S	0	5S	0	TS	0	10S	2.0
5	HS622	0	0	0	0	0	0	TR	0	TR	0.0
6	HS623	0	0	0	TMS	0	0	0	0	TMS	0.1
7	HS625	0	0	0	TMR	0	0	0	0	TMR	0.1
8	HS626	0	0	0	0	0	0	10MS	0	10MS	1.0
9	HS627	0	5MR	10S	0	0	0	TR	0	10S	1.5
10	HS628	0	0	0	5S	0	0	0	0	5S	0.6
11	UP2954	0	0	0	10S	0	0	0	0	10S	1.3
12	UP2955	0	0	5S	0	0	0	0	0	5S	0.6
13	VL1008	20S	0	0	0	0	TR	0	0	20S	2.5
14	VL1009	0	0	0	5MS	0	TR	0	0	5MS	0.5
15	VL1010	0	0	0	0	0	TR	0	0	TR	0.0
16	VL3010	0	0	0	0	0	0	TMR	0	TMR	0.1
17	VL3011	0	0	0	0	0	0	0	0	0	0.0
18	VL3012	0	0	0	10MS	0	0	0	0	10MS	1.0
II. NORTH WESTERN PLAIN ZONE											
19	DBW 172	0	0	0	0	20S	0	TS	0	20S	2.6
20	DBW 173	0	0	0	0	10S	0	0	0	10S	1.3
20. A	INFECTOR	40S	90S	60S	60S	100S	90S	60S	40S	100S	67.5
21	DBW 179	0	0	0	0	0	0	0	0	0	0.0
22	NW 6046	10S	0	20S	TMS	0	0	0	0	20S	3.9
23	PBW 725	10S	0	10S	0	0	0	0	0	10S	2.5
24	PBW 737	0	0	TS	5MR	0	0	TS	0	5MR	0.5
25	UP 2903	40S	5MR	5S	0	0	0	5MS	0	40S*	6.4
26	UP 2907	10S	TR	10S	5S	0	0	0	0	10S	3.2
27	WH 1184	0	5MR	10S	TMS	TR	0	5MS	0	10S	2.1
III. NORTH EASTERN PLAIN ZONE											
28	HD 3184	0	0	5S	10MR	0	0	0	0	5S	1.1
29	HI 1612	0	0	5MS	5MR	0	0	5MR	0	5MS	1.0
30	WH 1181	10S	5MR	5MS	0	0	0	TMS	0	10S	2.1

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57	HD 3228	5S	0	0	0	0	0	0	0	5S	0.6
58	JKW 221	0	0	0	0	0	0	0	0	0	0.0
59	RAJ 4466	20S	20S	0	0	0	0	5MS	0	20S	5.5
60	HUW 806	10S	30S	0	0	0	15S	15MS	0	30S	8.4
60. A	INFECTOR	40S	90S	60S	60S	100S	80S	80S	60S	100S	71.3
61	DBW 197	20S	40S	0	5S	40S	15S	0	40S	40S	20.0
62	WH 1206	0	40S	0	TMS	0	0	0	0	40S*	5.1
63	HD 3227	0	30S	0	TR	0	0	0	10MR	30S	4.9
64	HUW 807	0	0	0	10MS	0	0	-	0	10MS	1.1
65	NW 6082	0	0	0	10MS	0	0	0	0	10MS	1.0
66	UBW-8	0	30S	0	0	20S	0	0	0	30S	6.3
67	DBW 196	0	TR	0	0	0	0	0	0	TR	0.0
68	K 1505	0	0	TS	TMS	0	0	0	0	TS	0.2
69	WH 1207	0	0	0	0	10S	0	0	0	10S	1.3
70	HD 3229	0	0	0	0	20S	5S	0	0	20S	3.1
71	PBW 748	10S	0	TS	0	20S	TMS	5MR	20S	20S	6.7
72	BRW 3771	5S	0	TS	0	0	30S	5MS	40S	40S	10.0
73	K 1507	0	0	TS	0	0	0	0	10MR	10MR	0.6
74	DBW 195	0	0	0	0	0	0	0	0	0	0.0
75	WH 1205	20S	60S	0	0	20S	0	TMR	10MR	60S	13.1
76	K 1504	0	0	0	0	TR	0	0	0	TR	0.0
77	AAIW 8	0	TR	0	10MR	0	0	0	0	10MR	0.5
78	DBW 198	0	0	0	5MR	0	0	0	0	5MR	0.3
79	HD 3225	0	0	10S	0	0	0	0	0	10S	1.3
80	BRW 3773	0	0	0	0	0	0	0	0	0	0.0
80. A	INFECTOR	40S	100S	80S	60S	100S	60S	80S	60S	100S	72.5
81	HD 3226	0	20MS	0	10MS	0	0	10S	40S	40S	9.3
82	HUW 804	10S	TR	5S	5S	0	0	TMS	0	10S	2.6
83	UP 2941	0	0	0	0	0	0	0	0	0	0.0
84	NW 6088	0	0	0	0	0	0	0	0	0	0.0
85	HD 3224	0	0	0	5S	10S	0	0	0	10S	1.9
86	UP 2942	0	0	0	0	0	0	0	0	0	0.0
87	HUW 803	0	10MR	0	0	20S	0	0	0	20S	3.0
88	HD 3230	10S	5MR	0	10S	0	0	TMS	0	10S	2.9
89	NW 6090	0	10MS	TS	5S	0	15S	0	0	15S	3.6
90	UP 2943	0	0	0	0	0	5S	0	0	5S	0.6
NIVT 2											
91	UAS 379	0	0	TS	10S	10S	0	10MS	0	10S	3.6
92	RVW 4246	0	0	TS	5S	0	5S	TMR	0	5S	1.4
93	RAJ 4470	0	0	0	TMR	0	0	TMS	0	TMS	0.2
94	GW 485	0	0	0	0	20S	0	0	0	20S	2.5
95	HI 1613	0	0	5S	10S	0	0	0	0	10S	1.9
96	GW 481	0	0	10S	5S	0	0	0	0	10S	1.9
97	RVW 4247	0	5MR	60S	5MR	0	0	0	0	60S	8.0
98	K 1510	0	TR	0	0	10S	0	TMS	0	10S	1.4
99	JWS 149	0	TR	0	0	0	0	0	10MR	10MR	0.5
100	DBW 201	0	0	0	0	0	0	0	20S	20S	2.5
100. A	INFECTOR	40S	100S	80S	60S	100S	80S	60S	60S	100S	72.5
101	MACS 6692	0	0	0	10MR	0	0	0	0	10MR	0.5
102	HI 1615	0	0	0	5S	0	0	0	0	5S	0.6
103	NIAW 2844	0	0	40S	5S	0	0	0	0	40S*	5.6
104	AKAW 4899	20S	5MR	20S	0	0	0	10MS	0	20S	6.3
105	MP 1324	0	5MR	TS	0	10S	0	0	0	10S	1.6
106	HI 1616	0	TR	TS	10S	10S	0	0	0	10S	2.7
107	UAS 378	0	0	0	TMR	20S	0	TMR	0	20S	2.6
108	UAS 380	0	0	0	TMS	20S	0	15MS	20MR	20S	5.1
109	MP 1325	0	TR	TS	5S	0	0	0	0	5S	0.8
110	MP 3465	0	TR	0	10S	0	0	0	0	10S	1.3
111	HD 3231	0	0	10S	0	0	0	5MS	10MR	10S	2.3
112	WH 1208	0	0	TS	5S	20S	0	0	0	20S	3.3
113	GW 480	0	TR	10S	5S	0	0	0	0	10S	1.9

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114	UP 2944	5S	TR	0	0	0	0	0	0	5S	0.7
115	MP 1323	0	5MR	0	0	0	0	0	0	5MR	0.3
116	GW 479	0	TR	10S	0	20S	0	0	0	20S	3.8
117	HI 1544 (C)	0	10MR	5S	TMR	0	0	0	0	5S	1.2
118	DBW 200	0	0		5S	10S	0	0	0	10S	2.1
119	MACS 6689	0	0	10S	10S	0	0	0	0	10S	2.5
120	UAS 381	5S	0	10S	0	10S	0	10S	0	10S	4.4
120. A	INFECTOR	40S	90S	80S	60S	100S	90S	80S	60S	100S	75.0
121	NIAW 2892	0	0	0	0	0	0	0	0	0	0.0
122	PBW 751	0	0	0	0	0	0	0	0	0	0.0
123	HI 1614	0	TR	0	0	0	0	0	0	TR	0.0
124	GW 483	0	5MR	5S	10S	0	0	0	0	10S	2.1
125	CG 1020	0	5MR	TS	5S	0	0	0	0	5S	1.0
NIVT - 3A											
126	PBW 754	0	0	0	0	0	0	20S	0	20S	2.5
127	HD 3235	0	0	0	0	0	0	0	0	0	0.0
128	HD 3232	0	TR	0	0	0	0	0	0	TR	0.0
129	HD 3234	0	5MR	0	5S	0	0	TMR	0	5S	0.9
130	HI 1617	5S	TR	0	0	0	0	0	0	5S	0.7
131	HP 1964	10S	TR	TS	TMR	0	0	TMS	0	10S	1.6
132	HUW 810	0	0	TS	0	0	0	-	0	TS	0.1
133	K 1514	5S	5MR	TS	TMR	0	10S	0	0	10S	2.3
134	K 1512	0	0	0	0	0	0	0	0	0	0.0
135	HUW 808	0	TR	TS	5MR	0	0	0	0	5MR	0.4
136	DBW 203	0	TR	0	0	0	0	5S	0	5S	0.7
137	RAJ 4471	0	0	0	0	0	0	0	0	0	0.0
138	BRW 3777	0	0	0	0	0	0	0	0	0	0.0
139	HI 1563 (C)	0	0	TS	10MS	10S	0	0	0	10S	2.4
140	UP 2948	0	0	0	TMS	0	0	0	0	TMS	0.1
140. A	INFECTOR	40S	90S	60S	60S	100S	80S	80S	60S	100S	71.3
141	JKW 222	0	10MR	0	0	0	0	0	0	10MR	0.5
142	UP 2945	0	0	0	0	0	0	0	0	0	0.0
143	WH 1210	0	0	0	0	0	0	0	0	0	0.0
144	WH 1211	0	0	0	0	0	0	0	0	0	0.0
145	UBW 9	0	5MR	0	0	0	0	15MS	0	15MS	1.8
146	K 1513	10S	10MR	5S	10S	0	10S	15S	0	15S	6.8
147	UP 2947	5S	5MR	0	10S	10S	0	0	0	10S	3.4
148	HUW 809	0	TR	0	5S	0	0	10S	0	10S	1.9
149	WH 1209	0	TR	0	0	0	0	0	0	TR	0.0
150	PBW 752	0	0	0	10S	0	0	0	0	10S	1.3
151	RAJ 4472	0	0	TS	0	TR	0	0	0	TS	0.2
152	HD 3233	0	5MR	0	0	0	0	0	0	5MR	0.3
153	PBW 753	0	5MR	0	0	0	0	0	0	5MR	0.3
154	DBW 205	0	TR	0	0	0	0	10MR	0	10MR	0.5
155	DBW 202	0	0	0	5S	0	0	0	0	5S	0.6
156	NW 6071	0	0	0	0	0	0	0	0	0	0.0
157	DBW 204	10S	0	0	0	0	0	0	0	10S	1.3
158	NW 6080	0	0	0	TMR	0	0	0	0	TMR	0.1
NIVT 3B											
159	MP 1327	0	TR	0	0	0	0	0	0	TR	0.0
160	NIAW 2721	0	TR	0	0	0	0	0	0	TR	0.0
160. A	INFECTOR	40S	100S	60S	60S	100S	90S	80S	60S	100S	73.8
161	UAS 382	0	0	0	5MR	0	0	0	0	5MR	0.3
162	RAJ 4474	0	0	0	0	0	0	0	0	0	0.0
163	UAS 383	0	TMS	0	0	0	0	TMS	0	TMS	0.2
164	HI 8780	0	5MS	5S	0	0	0	5MR	0	5S	1.4
165	DBW 209	0	5MR	5S	0	0	0	0	0	5S	0.9
166	NIAW 2725	0	0	5S	0	0	0	0	0	5S	0.6
167	CG 1022	0	0	TS	20MR	0	0	0	0	20MR	1.1
168	AKAW 4127	0	5MR	0	10S	0	15S	0	0	15S	3.4
169	PBW 755	0	0	0	0	0	60S	0	0	60S*	7.5

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170	MACS 6618	0	0	TS	5S	0	0	0	0	5S	0.8
171	DBW 208	5S	20S	0	0	0	0	5MS	0	20S	3.6
172	PBN 4585	0	5MS	0	0	0	0	10MS	0	10MS	1.5
173	WH 1214	5S	5MS	0	0	0	5S	5MR	0	5S	2.0
174	NIAW 2891	0	TR	TS	0	0	10S	0	0	10S	1.4
175	RVW 4241	0	TR	0	10S	0	40S	0	20S	40S	8.8
176	DBW 206	0	0	0	0	20S	0	10MR	0	20S	3.0
177	MACS 6679	0	0	0	TMR	0	TR	0	0	TMR	0.1
178	MP 1326	0	0	0	0	0	0	10MS	0	10MS	1.0
179	HI 8781	0	0	0	0	20S	0	0	0	20S	2.5
180	GW 488	0	10MS	0	5S	0	0	0	0	10MS	1.6
180. A	INFECTOR	40S	90S	80S	60S	100S	60S	70S	60S	100S	70.0
181	MP 1328	0	5MS	TS	0	0	0	TMR	0	5MS	0.7
182	CG 1021	0	5S	TS	0	20S	0	0	0	20S	3.3
183	MP 4010 (C)	0	TR	0	5S	0	0	0	0	5S	0.7
184	HI 1618	0	5MR	0	0	0	0	0	0	5MR	0.3
185	GW 486	0	5MS	0	0	0	0	0	0	5MS	0.5
186	HP 1965	10S	5MS	0	TMR	0	0	-	0	10S	2.1
187	MP 3456	0	0	0	0	20S	0	0	0	20S	2.5
188	DBW 207	0	0	0	0	0	0	0	0	0	0.0
189	GW 487	0	5S	TS	0	20S	0	0	0	20S	3.3
190	WH 1213	0	TR	0	5S	0	0	5MR	0	5S	0.9
191	MP 3459	0	TR	0	10S	0	0	10MS	0	10S	2.3
NIVT - 4											
192	GW 1330	0	0	0	0	0	0	20MS	0	20MS	2.0
193	PDW 350	0	0	0	0	0	0	10MR	10MR	10MR	1.0
194	UAS 461	0	0	0	0	0	0	15MR	10MR	15MR	1.3
195	HI 8787	0	0	0	0	0	0	5MS	0	5MS	0.5
196	GW 1332	0	0	0	0	10S	10S	10MS	20MR	10S	4.5
197	GW 1329	0	5MR	0	0	0	0	10MS	10MR	10MS	1.8
198	MPO 1329	0	10MR	0	0	40S	0	10MR	0	40S	6.0
199	NIDW 1055	0	TR	0	0	0	0	0	0	TR	0.0
200	PDW 348	0	5MR	0	0	0	0	5MR	10MR	10MR	1.0
200. A	INFECTOR	40S	80S	80S	60S	80S	50S	80S	60S	80S	66.3
201	DDW 40	0	5MR	0	0	0	0	0	20MR	20MR	1.3
202	PDW 349	0	20MS	0	0	0	30S	20MS	10MR	30S	8.3
203	PBND 4826	0	10MR	0	0	0	30S	20MS	10MR	30S	6.8
204	AKDW 4905	0	5MR	0	0	0	20S	10MR	10MR	20S	3.8
205	HI 8786	0	TR	0	0	20S	0	0	10MR	20S	3.0
206	GW 1331	10MS	0	5S	10S	0	40S	20MR	0	40S	8.9
207	MACS 4049	0	10MS	TS	10S	40S	5S	15MS	0	40S	9.5
208	HI 8785	0	5MR	0	5S	10S	0	5MR	10MR	10S	2.9
209	HI 8784	0	5MR	0	0	TR	0	10MR	0	10MR	0.8
210	MACS 4054	0	0	10S	TMR	TR	0	0	0	10S	1.3
211	PDW 347	0	0	0	0	0	20S	5MR	10MR	20S	3.3
212	WHD 960	0	10S	0	0	TR	0	15MS	0	15MS	2.8
213	NIDW 1038	0	30S	0	0	0	30S	40S	0	40S	12.5
214	DDW 39	0	TR	0	0	0	0	0	0	TR	0.0
215	HI 8783	0	0	0	0	0	0	0	20MR	20MR	1.0
216	HI 8782	0	TR	0	0	0	0	0	0	TR	0.0
217	WHD 959	0	0	0	0	0	0	10MS	0	10MS	1.0
218	RKD 305	0	0	0	0	0	40S	5MR	20MR	40S	5.0
219	HI 8788	0	0	0	0	0	0	30MS	40MR	30MS	5.0
220	MPO 1330	0	0	0	0	0	0	TR	20MR	20MR	1.0
220. A	INFECTOR	40S	90S	60S	60S	100S	90S	80S	60S	100S	72.5
221	UAS 460	0	0	0	0	0	0	20MS	40MR	20MS	4.0
222	UPD 2949	0	TR	0	0	40S	0	15MS	20MR	40S	7.5
223	MACS 4050	0	0	0	0	0	0	10MR	20MR	20MR	1.5
224	RKD 296	0	0	0	5S	0	0	0	0	5S	0.6
225	GW 1328	0	0	0	0	0	0	5MR	0	5MR	0.3
NIVT - 5A											

Adult plant response of AVT IInd year, Ist year and NIVT material against Leaf rust (north) under field conditions (artificial inoculations) during 2015-16

226	K 1516	0	0	10S	0	0	0	0	0	10S	1.3
227	DBW 213	0	TR	0	10S	0	0	0	10MR	10S	1.8
228	MACS 6677	0	5MR	0	0	0	0	5MR	10MR	10MR	1.0
229	MP 1318	0	TMR	0	0	0	0	0	0	TMR	0.1
230	BRW 3775	0	TR	10S	0	0	0	5MS	10MR	10S	2.3
231	DBW 212	5S	0	0	0	0	0	5MR	20MR	20MR	1.9
232	NIAW 2822	0	TR	10MS	20S	0	0	0	0	20S	3.5
233	MACS 6678	0	0	0	0	0	0	0	0	0	0.0
234	UP 2951	0	0	0	0	0	0	0	0	0	0.0
235	K 1517	20S	0	5S	10S	0	0	TMS	0	20S	4.5
236	NIAW 2930	0	0	0	0	0	0	5MS	0	5MS	0.5
237	DBW 110 (C)	0	5MR	10S	0	0	0	0	0	10S	1.5
238	MP 3466	20S	5MR	0	0	5S	0	0	0	20S	3.4
239	MP 1320	0	TR	0	0	0	0	0	0	TR	0.0
240	JWS 148	0	0	10S	0	0	0	0	0	10S	1.3
240. A	INFECTOR	40S	90S	80S	60S	100S	50S	80S	60S	100S	70.0
241	DBW 210	10S	0	0	TMR	0	0	0	0	10S	1.3
242	HI 1620	0	5MR	0	5S	0	0	0	0	5S	0.9
243	PBW 758	40S	20MR	TS	TMR	0	0	0	40S	40S	11.2
244	UP 2950	10S	5MS	0	0	0	0	0	20S	20S	4.3
245	HS 611	0	TR	0	0	0	0	0	0	TR	0.0
246	HI 1619	0	0	0	5S	0	0	5S	10S	10S	2.5
247	PBW 759	20S	TR	10S	0	20S	0	TMS	20S	20S	8.9
248	UAS 385	0	TR	0	0	0	0	20MR	0	20MR	1.0
249	HD 3237	40S	0	0	0	0	0	10MS	0	40S	6.0
250	WH 1199	5S	10S	0	0	0	30S	5MS	0	30S	6.1
251	CG 1023	0	40S	0	0	0	TR	0	20S	40S	7.5
252	DBW 211	5S	0	0	0	TR	0	0	0	5S	0.7
253	WH 1198	0	5MS	0	TMR	0	0	0	0	5MS	0.6
254	HD 3238	20S	0	0	0	0	0	0	0	20S	2.5
255	K 1515	0	0	5S	10MR	0	0	0	0	5S	1.1
256	MP 1319	0	5MR	0	0	0	0	10MS	0	10MS	1.3
257	MP 1317	0	5MS	0	0	10S	0	5S	0	10S	2.4
258	UAS 384	0	0	TS	20MR	0	0	10S	20S	20S	4.9
NIVT - 5B											
259	GW 1333	0	0	0	TMR	0	60S	15S	20MR	60S	10.4
260	HI 8789	0	5MR	10S	0	0	0	5MR	20MR	10S	2.8
260. A	INFECTOR	40S	90S	60S	60S	100S	40S	80S	60S	100S	66.3
261	NIDW 1063	0	TR	0	0	0	0	5MR	0	5MR	0.3
262	MPO 1321	0	TR	0	0	0	0	0	10MR	10MR	0.5
263	HI 8793	0	0	0	0	0	0	TMR	20MR	20MR	1.1
264	HI 8792	0	0	0	0	0	0	TMR	0	TMR	0.1
265	GW 1335	0	0	0	10MR	40S	15S	0	10MR	40S	7.9
266	NIDW 1053	0	0	0	5S	0	0	5MR	20MR	20MR	1.9
267	RKD 302	0	0	0	0	0	TR	TMR	10MR	10MR	0.6
268	UAS 462	0	0	20S	0	0	0	5MR	10MR	20S	3.3
269	MACS 4040	0	30MS	0	0	0	0	5MR	0	30MS	3.3
270	GW 1336	0	10MS	0	10S	0	0	0	0	10S	2.3
271	MACS 4044	0	20MS	0	5S	0	20S	10MR	0	20S	5.6
272	GW 1334	0	10MS	0	20MR	0	40S	10MR	0	40S	7.5
273	DDW 41	0	0	0	0	0	40S	5MS	10S	40S	6.8
274	HI 8790	0	0	0	0	0	0	15MR	20MR	20MR	1.8
275	UAS 463	0	0	0	0	0	0	0	20MR	20MR	1.0
276	HI 8627 (C)	0	0	0	0	0	0	5MR	20MR	20MR	1.3
277	DDW 42	0	0	0	0	0	0	TMR	20MR	20MR	1.1
278	MACS 4042	0	40S	5S	5MR	0	20S	10MS	20MR	40S	10.4
279	GW 1337	5S	10MR	5S	0	0	60S	15S	0	60S	11.1
280	RKD 306	0	0	0	0	0	5S	10MR	20MR	20MR	2.1
280. A	INFECTOR	40S	90S	80S	60S	100S	90S	60S	60S	100S	72.5
281	MPO 1322	0	0	0	5MS	20S	0	5MR	10MR	20S	3.8
282	HI 8791	0	0	0	0	0	0	TS	20MR	20MR	1.1

Adult plant response of AVT IInd year, 1st year and NIVT material against Leaf rust (north) under field conditions (artificial inoculations) during 2015-16

IVT											
I. NORTHERN HILL ZONE											
283	HPW 425	0	0	0	0	0	0	0	10MR	10MR	0.5
284	VL 2022	0	0	0	0	0	0	0	0	0	0.0
285	VL 2019	0	0	0	TMR	0	0	0	0	TMR	0.1
286	HPW 431	0	0	0	0	0	0	TMS	0	TMS	0.1
287	HPW 430	0	0	0	0	0	0	0	0	0	0.0
288	UP 2953	40S	20MS	0	10S	0	0	TMS	10S	40S	9.6
289	VL 2024	0	0	0	0	0	0	0	0	0	0.0
290	VL 2023	0	0	0	0	0	0	TMS	0	TMS	0.1
291	HPW 427	5S	TR	TS	5S	0	0	TMR	0	5S	1.5
292	HS 616	0	TR	0	0	0	0	5MS	0	5MS	0.5
293	HS 612	0	TR	0	0	60S	0	5MS	0	60S*	8.0
294	HPW 429	0	0	0	0	10S	0	0	0	10S	1.3
295	HPW 426	0	0	0	0	0	0	0	0	0	0.0
296	UP 2952	5S	0	0	0	0	0	0	0	5S	0.6
297	HS 615	0	0	0	5S	0	0	0	0	5S	0.6
298	HPW 428	10S	0	0	10MR	0	10S	10MS	0	10S	4.3
299	HS 613	0	60S	0	0	10S	10S	0	0	60S	10.0
300	HS 614	0	5MR	0	0	0	0	0	0	5MR	0.3
300. A	INFECTOR	40S	90S	80S	60S	100S	40S	80S	60S	100S	68.8
301	HS 617	0	5MR	10S	0	0	TR	0	0	10S	1.5
302	VL 907(C)	5S	TR	TS	0	20S	0	0	0	20S	3.3
303	VL 2020	0	0	0	10S	0	0	0	0	10S	1.3
304	VL 2021	0	0	0	0	10S	0	0	10MR	10S	1.8
305	HS 618	0	0	0	5MR	20S	0	0	0	20S	2.8
II. SOUTHERN HILLS ZONE											
306	HS 621	0	0	0	0	0	0	0	0	0	0.0
307	UAS 386	0	TR	TS	0	20S	0	0	0	20S	2.7
308	HW 1909	0	0	TS	TMS	10S	5S	0	0	10S	2.1
309	HW 3658-4	0	0	0	10MR	0	0	0	0	10MR	0.5
310	HW 1924	0	0	5S	0	0	0	0	0	5S	0.6
311	HW 5253	0	5MR	TS	0	0	0	0	0	5MR	0.4
312	HW 5252	0	0	TS	0	0	0	0	0	TS	0.1
313	HW 3658-3	0	0	0	0	0	0	0	0	0	0.0
314	HW 1908-1	0	0	0	10S	0	0	0	20MR	10S	2.3
315	UAS 387	0	10MR	0	0	20S	0	0	20MR	20S	4.0
316	NIAW 2891	0	TR	5S	0	0	80S	0	0	80S*	10.7
317	HW 5249	0	5MR	0	10S	0	0	0	0	10S	1.5
318	HW 1908	5S	TR	0	0	0	0	0	0	5S	0.7
319	HS 619	0	0	0	0	0	0	0	0	0	0.0
320	MACS 6686	0	0	0	0	40S	0	0	0	40S*	5.0
321	HS 620	10S	0	0	10S	20S	0	0	0	20S	5.0
321. A	INFECTOR	40S	90S	60S	30S	100S	50S	80S	60S	100S	63.8