

Annexure 4: Adult plant response of AVT IInd year material against leaf rust (north) under field conditions (artificial inoculations) during 2013-14								
S.No.	Variety	Kanpur	Jammu	Delhi	Hisar	Pantnagar	HS	ACI
AVT IInd year								
I. NORTHERN HILL ZONE								
1	HPW 376	TR	0	TR	5S	10S	10S	3.1
2	VL 967	10S	0	5MR	0	5S	10S	3.4
3	HPW 251 (C)	0	5S	0	5S	5S	5S	3.0
4	HPW 349 (C)	0	5MR	TR	TS	5S	5S	1.6
5	HS 277 (C)	0	5S	5MR	TS	TR	5S	1.6
6	HS 375 (C)	0	10MR	TR	5S	TR	5S	1.9
7	HS 490 (C)	10S	5S	0	0	40S	40S	11.0
8	HS 507 (C)	0	20S	0	0	0	20S	4.0
9	HS 542 (I) (C)	0	5S	5MR	0	5S	5S	2.4
10	VL 804 (C)	TR	20S	10MR	40S	80S	80S	28.8
11	VL 829 (C)	10MS	0	0	0	5S	10MS	2.6
12	VL 892 (C)	TR	10S	10MR	0	TR	10S	2.9
13	VL 907 (C)	10S	5MR	0	40S	TR	40S	10.4
II. NORTH WESTERN PLAIN ZONE								
14	HUW 666	0	10S	0	TS	TR	10S	2.2
15	PBW 681	0	0	0	0	0	0	0.0
16	WH 1129	0	5S	TR	0	15S	15S	4.0
17	WH 1138	20S	5MR	10MR	30S	5S	30S	12.2
18	WH 1142	0	10MS	5S	20S	TR	20S	6.6
19	DBW 88 (I) (C)	0	0	0	0	TR	TR	0.0
20	DBW 90 (I) (C)	0	10S	10S	40S	30S	40S	18.0
20. A	INFECTOR	60S	60S	80S	80S	70S	80S	70.0
21	DPW 621-50 (C)	TR	10MR	5S	0	15S	15S	4.8
22	HD 2967 (C)	0	10MS	0	20S	0	20S	5.6
23	HD 3043 (C)	0	10MR	0	20MS	5S	20MS	5.0
24	HD 3059 (C)	0	0	0	TS	0	TS	0.2
25	HD 3086 (I) (C)	0	10S	10MS	20S	10S	20S	9.6
26	PBW 590 (C)	0	0	20S	5S	TR	20S	5.0
27	PBW 644 (C)	20S	0	5MR	0	TR	20S	4.4
28	PBW 660 (I) (C)	TR	20MS	0	0	TR	20MS	3.3
29	PDW 233 (C)	10S	5MS	10MR	0	0	10S	3.6
30	PDW 291 (C)	TR	10MR	TR	10MS	0	10MS	2.5
31	PDW 314 (C)	0	0	0	10S	TMR	10S	2.1
32	WH 1021 (C)	0	20S	20S	10S	5S	20S	11.0
33	WH 1080 (C)	20S	20S	10MR	0	TR	20S	8.8
34	WH 1105 (C)	20S	5S	TS	0	0	20S	5.2
35	WH 1124 (I) (C)	0	0	TR	10S	10S	10S	4.0
III. NORTH EASTERN PLAIN ZONE								
36	BRW 3723	0	0	20S	5S	5S	20S	6.0
37	DBW 107	0	5S	TR	5S	5S	5S	3.0
38	HD 3118	10S	10S	5S	5S	0	10S	6.0
39	K 1114	0	10S	30S	60S	10S	60S	22.0
40	C 306 (C)	0	40S	30S	40S	30S	40S	28.0
40. A	INFECTOR	80S	60S	80S	80S	50S	80S	70.0
41	DBW 14 (C)	TR	10S	5MR	TS	10S	10S	4.6
42	DBW 39 (C)	TR	10MS	TR	0	15S	15S	4.7
43	HD 2733 (C)	TR	10S	20S	0	0	20S	6.0
44	HD 2888 (C)	0	5S	5S	0	0	5S	2.0
45	HD 2985 (C)	10S	10S	40S	40S	40S	40S	28.0
46	HI 1563 (C)	40S	10MR	30S	0	0	40S	14.8
47	K 0307 (C)	20S	10S	20S	0	TR	20S	10.0

S.No.	Variety	Kanpur	Jammu	Delhi	Hisar	Pantnagar	HS	ACI
48	K 1006 (I) (C)	0	20S	40S	0	TR	40S	12.0
49	K 8027 (C)	0	40S	10MR	20S	70S	70S	26.8
50	NW 2036 (C)	10S	5MS	30MR	TS	60S	60S	17.4
51	NW 5054 (I) (C)	TR	10S	30S	0	TR	30S	8.1
IV. CENTRAL ZONE								
52	DBW 110	10S	5MR	20S	0	0	20S	6.4
53	HI 8736 (D)	0	5MR	5MR	10MS	10S	10S	4.4
54	HI 8737 (D)	0	0	0	0	0	0	0.0
55	MP 3382	0	5S	20S	30S	40S	40S	19.0
56	NIAW 1885	0	0	30S	20S	0	30S	10.0
57	PBW 689	0	10MS	TR	0	0	10MS	1.6
58	A 9-30-1 (D) (C)	0	5MR	30S	0	0	30S	6.4
59	GW 322 (C)	20S	10MR	40S	10S	0	40S	14.8
60	HD 2864 (C)	10S	5S	60S	20S	0	60S	19.0
60. A	INFECTOR	60S	60S	80S	60S	70S	80S	66.0
61	HD 2932 (C)	10S	10MS	5MR	20S	60S	60S	20.0
62	HI 1500 (C)	0	10S	TR	0	0	10S	2.0
63	HI 1544 (C)	10S	5MS	20S	5S	0	20S	7.8
64	HI 8498 (D) (C)	10S	0	5MR	10S	0	10S	4.4
65	HI 8627 (D) (C)	TR	5S	10MR	TS	0	5S	2.0
66	MP 3288 (C)	20S	10S	10MR	10S	0	20S	8.8
67	MP 3336 (C)	20S	5S	20S	0	20S	20S	13.0
68	MP 4010 (C)	20S	10S	60S	0	40S	60S	26.0
69	MPO 1215 (d) (C)	10S	10MS	0	0	0	10S	3.6
V. PENINSULAR ZONE								
70	NIAW 1994	0	5S	10S	0	0	10S	3.0
71	UAS 347	TR	10MR	5MR	0	TR	10MR	1.3
72	UAS 446 (D)	0	0	0	0	0	0	0.0
73	AKDW 2997-16(d) (C)	40S	10MR	10MR	0	0	40S	9.6
74	HD 3090 (I) (C)	0	20S	30S	0	0	30S	10.0
75	MACS 6222 (C)	60S	10MR	0	10S	0	60S	14.8
76	MACS 6478 (C)	0	0	40S	0	0	40S*	8.0
77	NI 5439 (C)	0	40S	60S	0	TR	60S	20.0
78	NIAW 1415 (C)	0	10MS	10MR	0	0	10MS	2.4
79	NIDW 295 (d) (C)	20S	0	0	0	0	20S	4.0
80	Raj 4083 (C)	TR	10S	10MR	-	30S	30S	11.1
80. A	INFECTOR	60S	60S	80S	60S	50S	80S	62.0
81	UAS 428 (d) (C)	0	5MS	10MR	TMS	0	5MS	1.8
VI. SOUTHERN HILLS ZONE								
82	CoW(W) 1 (C)	0	10S	30S	0	0	30S	8.0
83	HW 2044 (C)	0	5MR	10MR	TS	0	10MR	1.4
84	HW 5216 (C)	20S	20S	20S	TS	0	20S	12.2
VII. SPECIAL TRIAL								
85	DDK 1042	20S	0	10MR	0	TR	20S	4.8
86	MACS 5022	60S	10MR	40S	0	0	60S	20.8
87	DDK 1029 (C)	0	5S	5S	0	0	5S	2.0
88	HW 1098 (I) (C)	0	10S	TS	0	0	10S	2.2
89	Kharchia 65 (C)	20S	20S	0	80S	70S	80S	38.0
90	KRL 19 (C)	20S	10S	10MR	80S	90S	90S	40.8
91	KRL 210 (C)	60S	10S	TR	20S	50S	60S	28.0
92	MACS 2496 (C)	20S	0	0	0	10S	20S	6.0
93	MACS 2971 (C)	TR	5S	60S	0	0	60S	13.0
93. A	INFECTOR	60S	60S	80S	80S	60S	80S	68.0