

Annexure 11: Adult plant response of AVT 1st year material against yellow rust under field conditions (artificial inoculations) during 2012-13

Sr. No.	Entries	Gurdaspur	Ludhiana	Bajaur	Jammu	Pantnagar	Khadwani	Karnal	Mahan	Durgapur	Dhanalakshon	HS	ACI
AVT 1st Year													
I. NORTHERN HILL ZONE													
1	HPW 376	10MS	10S	0	30S	0	0	5S	0	0	0	30S	5.3
2	HPW 380	40S	40S	0	20S	15S	0	40S	20S	0	20S	40S	19.5
3	HPW 381	20S	10S	0	10MS	5MS	0	40S	30S	0	20S	40S	13.2
4	HPW 387	20S	40S	0	30S	15MS	30S	40S	40S	0	40S	40S	25.2
5	HPW 388	20MS	10S	0	10MS	5MS	0	10S	20MS	0	20S	20S	8.4
6	HPW 397	20S	5S	0	5MR	10S	0	10S	20S	0	10S	20S	7.7
7	HPW 398	10S	10S	20S	20S	0	0	TS	0	0	20S	20S	8.1
8	HPW 399	5S	10S	20S	20S	0	0	0	20S	0	TR	20S	7.5
9	HS 557	5S	5S	0	0	0	0	TS	0	0	0	5S	1.1
10	HS 574	60S	60S	0	30S	0	20MS	20S	0	40S	20S	60S	24.6
11	HS 575	40S	40S	0	10S	0	0	0	0	0	20S	40S	11.0
12	HS 576	10S	5S	0	10MR	0	0	0	20S	0	0	20S	3.9
13	HS 577	60S	20MS	0	5MR	0	0	0	5MR	0	10S	60S	9.0
14	HS 578	10S	5S	20S	30S	TR	30MS	10S	40S	0	40S	40S	17.9
15	UP 2871	60S	40S	0	20S	0	20MS	TS	0	0	0	60S	13.7
16	UP 2872	40MS	40S	5S	20S	5MS	0	20S	20S	10MS	40S	40S	18.9
17	VL 1001	40S	40S	0	0	0	0	0	0	0	5S	40S	8.5
18	VL 1002	5S	40S	0	5MR	0	0	0	0	0	5S	40S	5.2
19	VL 3001	10S	5S	0	20MR	0	0	TS	5S	0	0	10S	2.9
20	VL 3002	5S	10S	0	10MS	0	0	0	0	0	0	10S	2.3
20. A	INFECTOR	80S	60S	80S	80S	90S	70S	40S	60S	80S	60S	90S	70.0
21	VL 3003	60S	10S	0	30S	0	10MR	TS	0	0	20S	60S	12.5
22	VL 967	20S	10S	0	20S	0	0	10S	10MS	0	10S	20S	7.8
II. NORTH WESTERN PLAIN ZONE													
23	DBW 101	10S	5S	0	20S	10MS	20MS	40S	40MS	0	10S	40S	14.1
24	DBW 102	60S	40S	0	50S	5MS	0	40S	60S	0	20S	60S	27.4
25	DBW 110	40S	40S	20S	50S	40S	40S	20S	60S	0	40S	60S	35.0
26	HD 3109	20S	20S	0	30S	0	30S	5S	0	0	40S	40S	14.5
27	HD 3117	60S	40S	0	5MR	15MS	0	40S	60S	0	40S	60S	25.4
28	HD 3119	10S	5S	0	0	15MS	0	10S	40S	0	20S	40S	9.7
29	HD 3120	60S	40S	0	0	TMS	0	10S	20MS	0	10S	60S	13.7
30	HD 3121	10S	5S	0	20S	5MS	0	TS	10MS	0	5S	20S	5.3
31	HD 3122	10S	40S	0	0	15S	30S	20S	60S	0	20S	60S	19.5
32	HD 3123	10S	10S	0	20MR	0	50S	10S	0	0	10S	50S	9.8
33	HI 8735	10S	20S	TR	0	10MS	40S	5S	20MS	80S	0	80S	17.9
34	HI 8736 (d)	5S	5S	0	10S	0	0	0	0	0	0	10S	2.0
35	HI 8738	5S	5S	0	10MS	10MS	20MS	0	0	0	0	20MS	4.2
36	HI 8739	5S	5S	0	30S	5MR	0	0	0	10MS	0	30S	5.0
37	HUW 662	60S	80S	0	10MR	5MS	30S	10S	0	0	5S	80S	19.3
38	HUW 664	60S	80S	15S	30S	0	50S	5S	20S	0	0	80S	26.0
39	HUW 666	60S	40S	0	10MR	5MS	0	10S	0	0	10S	60S	12.8
40	HUW 668	60S	80S	20S	50S	TS	40S	0	0	0	10S	80S	26.1
40. A	INFECTOR	80S	60S	80S	80S	80S	60S	60S	80S	80S	80S	80S	74.0
41	HUW 669	10S	40S	0	10S	5S	40S	5S	20MR	0	10S	40S	12.8
42	JAUW 598	60S	80S	0	20MR	TMS	50S	5S	40S	0	20S	80S	26.4
43	K 1114	40S	60S	0	40S	5MS	30S	5S	5MR	0	40S	60S	22.1
44	MACS 3929	40S	10S	0	5MR	10MS	0	20S	30MS	0	10S	40S	11.4
45	MP 3392	20S	60S	20S	0	0	30S	10S	30MS	0	5S	60S	16.9
46	NIAW 1951	60S	80S	30S	0	0	30S	TS	0	0	0	80S	20.1
47	NIDW 706	5S	20S	0	40S	TR	0	0	5MR	0	0	40S	6.7
48	PBW 681	10S	0	0	0	0	0	0	0	0	0	10S	1.0
49	PBW 683	60S	80S	20S	40S	0	0	0	20S	20S	0	80S	24.0
50	PBW 689	60S	40S	10S	50S	TMS	20MS	20S	50S	0	20S	60S	26.7
51	UP 2841	60S	60S	0	30S	0	0	0	0	0	0	60S	15.0

Sr. No.	Entries	Gurdaspur	Ludhiana	Bajajura	Jammu	Pantnagar	Kharuwa	Karnal	Malan	Durgapura	Dhaualakuaon	HS	ACT
52	UP 2843	60S	60S	15S	20S	TR	40S	0	10MR	20MS	5S	60S	22.0
53	UP 2847	40S	40S	0	20S	0	0	5S	0	0	0	40S	10.5
54	UP 2848	60S	40S	20S	20S	0	0	0	20S	TMR	0	60S	16.0
55	UPD 94	5S	5S	0	40S	15MS	0	20S	0	0	0	40S	8.2
56	WH 1128	60S	40S	0	20S	30S	0	20S	20MS	0	40S	60S	22.6
57	WH 1129	10S	10S	0	10MR	0	40S	5S	0	0	0	40S	6.9
58	WH 1130	60S	20S	0	10MR	20S	0	20S	20MS	0	10S	60S	15.0
59	WH 1138	40S	10S	0	20MR	5MS	0	10S	20MS	0	0	40S	8.8
60	WH 1139	60S	20S	0	20MS	10MS	0	10S	40S	0	10S	60S	16.4
60. A	INFECTOR	80S	60S	80S	80S	90S	50S	60S	80S	90S	80S	90S	75.0
61	WH 1142	20S	40S	0	10MR	5MS	0	20S	20S	0	10S	40S	11.8
III. NORTH EASTERN PLAIN ZONE													
62	BRW 3723	60S	60S	20S	40S	0	30MS	10S	10S	0	20S	60S	24.4
63	DBW 107	20MS	40S	30S	20S	15S	0	10S	20MS	40S	20S	40S	20.7
64	HD 3110	60S	100S	5S	20S	5MS	0	5S	20S	40S	5S	100S	25.9
65	HD 3111	10S	20S	0	0	0	15MR	5S	20MS	0	5S	20S	6.2
66	HD 3118	20S	20S	0	10S	10S	0	20S	30S	0	10S	30S	12.0
67	HUW 667	80S	10S	20S	20MR	10MS	15MR	10S	40S	0	10S	80S	19.2
68	K1105	20S	10S	15S	20S	5MS	0	TS	20S	0	20S	20S	11.0
69	NW 5064	60S	80S	10S	60S	TS	30S	10S	5MS	0	10S	80S	26.5
70	PBW 688	60S	40S	0	10S	0	40S	0	0	0	10S	60S	16.0
71	UAS 347	60S	40S	30S	40S	0	30S	20S	60S	30MS	60S	60S	36.4
72	UP 2844	20S	60S	30S	30S	TR	30S	TS	20S	0	10S	60S	20.1
73	WH 1136	80S	80S	20S	20MR	5MS	15MR	0	10MS	TMR	10S	80S	21.6
74	WH 1137	5S	5S	0	20MR	0	0	0	10MS	TMR	5S	10MS	3.1
IV. CENTRAL ZONE													
75	DDW 23	5S	5S	0	10MR	0	0	10S	0	0	20S	20S	4.4
76	GW 1292 (d)	60MS	60S	30S	0	10MS	20MS	40S	80S	0	60S	80S	34.2
77	GW 440	80S	40S	10S	50S	50S	50S	20S	80S	0	60S	80S	44.0
78	HD 3114	80S	80S	30S	20MR	20S	40S	40S	60S	0	40S	80S	39.8
79	HI 1588 ^Q	100S	80S	30S	20MR	10S	50S	20S	40S	30MS	80S	100S	44.2
80	HI 8737 (d)	5S	10S	0	20MR	TMS	0	0	0	0	0	10S	2.4
80. A	INFECTOR	80S	80S	80S	80S	80S	60S	60S	60S	90S	80S	90S	75.0
81	HI 8742 (d)	20S	10S	0	20MR	5MS	50S	5S	0	0	0	50S	9.7
82	K 1116	60S	20S	20S	40S	5S	0	20S	5MS	0	10S	60S	17.9
83	MACS 3915 (d)	5S	5S	0	30S	0	0	20S	0	0	0	30S	6.0
84	MACS 6568	60S	20S	20S	10MR	10MS	20MS	40S	60S	0	40S	60S	26.8
85	MP 3379	40S	60S	30S	20S	80S	30S	60S	80S	70S	60S	80S	53.0
86	MP 3382	60S	80S	20S	20S	0	40S	TS	30S	0	5S	80S	25.6
87	NIAW 1885	60S	40S	30S	20MR	20S	40S	40S	40S	0	60S	60S	33.8
88	Raj 4295	60S	80S	30S	60S	15S	50S	20S	40S	0	20S	80S	37.5
89	UAS 348	60S	40S	0	20MR	40S	0	40S	60S	0	40S	60S	28.8
90	UAS 446 (d)	10S	20S	0	20MR	5MS	0	20S	60S	40S	0	60S	16.2
V. PENINSULAR ZONE													
91	GW 446	60S	80S	10S	50S	TS	40S	10S	10MS	0	10S	80S	26.9
92	HD 3116	60S	80S	30S	20MR	TR	20MS	20S	20S	0	10S	80S	24.4
93	MACS 6583	60S	80S	0	40S	TMS	0	5S	5MS	0	10S	80S	20.0
94	MP 1270 ^Q	60S	60S	30S	40S	80S	0	80S	80S	30S	80S	80S	54.0
95	NIAW 1994	80S	60S	10S	30S	30S	40S	60S	80S	40S	80S	80S	51.0
96	NIDW 699(d)	5MS	10S	40S	10MR	TMS	40S	10S	0	0	0	40S	10.9
97	UAS 342	10S	40S	10S	20S	10MS	40S	10S	20S	60S	0	60S	21.8
98	UAS 447(d)	5S	10S	0	10S	0	0	0	0	60S	0	60S	8.5
99	UP 2845	80S	60S	10S	40S	10MS	40S	20S	40S	0	40S	80S	33.8
VI. SOUTHERN HILLS ZONE													
100	HW 1900	60S	80S	0	20MR	60S	40S	60S	80S	40S	60S	80S	48.8
100. A	INFECTOR	60S	80S	80S	80S	90S	60S	60S	60S	90S	80S	90S	74.0
101	HW 4013	60S	20S	10 MR	10S	5MS	20MS	10S	0	0	10S	60S	13.4
102	HW 4042	40S	60S	0	10S	15S	30S	60S	80S	30S	40S	80S	36.5

Sr. No.	Entries	Gurdaspur	Ludhiana	Bajaura	Jammu	Pantnagar	Kharwa	Karnal	Malan	Durgapura	Dhaukuaon	HS	ACT
103	HW 5235	60S	80S	0	20S	40S	-	60S	80S	30MS	60S	80S	47.1
104	HW 5237	60S	60S	10S	40S	50S	20MS	60S	80S	50S	40S	80S	46.6
VII. SPECIAL TRIAL		0	0									0	0.0
105	DBW 131	40S	5S	10S	20MS	20S	0	40S	20MS	0	20S	40S	16.7
106	DDK 1042	20S	40S	0	60S	70S	-	20S	60S	0	40S	70S	34.4
107	DDK 1044	20S	40MS	0	40S	20MS	-	20S	60S	0	40S	60S	25.3
108	DDK 1045	20S	20S	0	40S	20S	-	40S	60S	20MS	20S	60S	26.2
109	HW 1099	20S	40MS	0	40S	10MS	-	20S	50S	40S	20S	50S	25.6
110	KLP 1006	60S	40S	0	40S	10S	20MS	20S	0	0	20S	60S	20.6
111	KRL 330	80S	80S	0	20S	10MS	30S	20S	TMS	0	20S	80S	25.9
112	KRL 345	80S	80S	30S	20MR	TMS	40S	10S	5MS	20S	10S	80S	28.3
113	KRL 346	80S	80S	10S	10S	30S	30S	10S	TMS	0	20S	80S	27.1
114	KRL 347	40S	5S	0	10S	10MS	20MS	20S	20S	0	0	40S	11.9
115	KRL 348	40S	40S	10S	5MS	0	15MR	10S	0	0	5S	40S	11.5
116	MACS 5022	20S	20S	0	30S	15MS	30S	20S	60S	30MS	20S	60S	23.6
117	MACS 5031	20S	20S	0	40S	10MS	40S	40S	40S	40S	20S	40S	26.8
118	MACS 5032	20S	20S	0	20MS	15MS	40S	40S	60S	60S	40S	60S	30.8
119	RAJ 4324	20S	20S	15S	20MR	TMS	50S	20S	5MS	0	20S	50S	15.8
120	WH 1145	20S	5S	0	20MR	10MS	0	40S	10MS	0	20S	40S	10.9
120. A	INFECTOR	80S	60S	80S	60S	90S	60S	60S	80S	90S	80S	90S	74.0