

**Annexure 10: Adult plant response of AVT Iind 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	Dhanalakshana	HS	ACI
<b>AVT Iind Year 2012-13</b>													
<b>I. NORTHERN HILL ZONE</b>													
1	HS 536	40S	20S	0	20S	10S	0	20S	40S	0	20S	40S	17.0
2	HS 542	20MS	20S	0	30S	0	0	5S	0	0	0	30S	7.1
3	HPW 251 (C)	60S	80S	30S	40S	10MS	40S	20S	10S	0	20S	80S	30.8
4	HPW 349 (I) (C)	10S	10S	0	10MR	10MS	0	20S	10MS	0	10S	20S	7.0
5	HS 277 (C)	60S	60S	30S	10MR	60S	40S	60S	80S	0	80S	80S	47.4
6	HS 490 (C)	20S	10S	0	30S	0	0	TS	10MR	0	10S	30S	7.5
7	HS 507 (C)	10S	5S	0	0	0	15MR	0	0	20S	5S	20S	4.6
8	VL 804 (C)	60S	40S	0	20MR	10S	0	10S	30MS	0	5S	60S	15.7
9	VL 829 (C)	20S	40S	0	30S	TR	0	5S	0	0	5S	40S	10.0
10	VL 892 (C)	60S	60S	0	10MS	0	0	5S	5MR	0	20S	60S	15.5
11	VL 907 (C)	20S	10S	0	10S	0	30MS	0	0	40S	5S	40S	10.9
<b>II. NORTH WESTERN PLAIN ZONE</b>													
12	DBW 74	40S	40S	0	30S	20MS	0	20S	40S	0	60S	60S	24.6
13	DBW 88	40S	20S	5S	20MS	0	-	0	0	40S	0	40S	13.4
14	DBW 90	20S	20S	0	30S	TMS	20MR	10S	20S	0	5S	30S	11.4
15	HD 3070	40S	20S	0	10MS	10MS	30S	5S	20S	0	40S	40S	17.1
16	HD 3086	10S	5S	0	0	5MS	0	10S	10MR	0	20S	20S	5.3
17	HD 3091	60S	40S	0	0	20S	20MS	20S	40S	0	20S	60S	21.6
18	HI 8728	5S	5S	0	5MR	5MS	15MR	0	0	0	0	15MR	2.2
19	PBW 660	10S	10S	0	0	0	10MR	0	0	0	10S	10S	3.4
20	PBW 674	40S	40S	0	30S	0	30MS	TS	5MR	0	10S	40S	14.7
20.A	INFECTOR	80S	80S	80S	80S	80S	60S	60S	80S	60S	80S	80S	74.0
21	PBW 675	60S	60S	0	30S	0	40S	10S	30S	0	20S	60S	25.0
22	WH 1098	10S	10S	0	10S	TR	0	10S	10MS	TMR	20S	20S	6.9
23	WH 1124	10S	10S	0	30S	10S	0	20S	30MS	0	5S	30S	10.9
24	WH 1126	20S	20S	0	10MS	10MS	0	20S	40S	40S	20S	40S	17.6
25	WH 1127	60S	40S	0	40S	20MS	0	40S	40S	0	40S	60S	27.6
26	C 306 (C)	40S	40S	5S	20MR	0	0	10S	30S	0	40S	40S	17.3
27	DBW 17 (C)	60S	80S	15S	60S	15S	40S	20S	0	0	5S	80S	29.5
28	DBW 71 (I) (C)	40S	40S	0	10S	30S	0	10S	20S	0	40S	40S	19.0
29	DPW 621-50 (C)	60S	40S	0	40S	0	0	0	0	0	0	60S	14.0
30	HD 2967 (C)	5S	10S	0	10S	TS	60S	0	30S	30S	5S	60S	15.1
31	HD 3043 (C)	10S	10S	0	0	TMS	0	5S	30S	0	20S	30S	7.6
32	HD 3059 (I) (C)	40S	20S	0	0	0	0	10S	5MS	0	0	40S	7.4
33	PBW 175 (C)	60S	60S	10S	10MR	0	60S	40S	60S	0	40S	60S	33.4
34	PBW 373 (C)	60S	80S	15S	40S	40S	15MR	40S	5S	20S	20S	80S	32.6
35	PBW 590 (C)	80S	80S	20S	0	5MS	40S	20S	20MS	0	10S	80S	27.0
36	PBW 644 (C)	60S	40S	0	50S	0	0	0	40S	0	10S	60S	20.0
37	PDW 291 (C)	10S	5S	0	10S	TMS	0	10S	20MR	0	10S	10S	5.4
38	PDW 314 (C)	0	5S	0	5S	0	30MS	0	0	60S	0	60S	9.4
39	WH 1021 (C)	60S	60S	10S	0	TR	20MR	0	0	0	10S	60S	14.8
40	WH 1080 (C)	10S	40S	0	0	10S	0	20S	20S	40S	20S	40S	16.0
40.A	INFECTOR	80S	60S	80S	80S	60S	60S	60S	60S	90S	80S	90S	71.0
41	WH 1105 (I) (C)	10S	5S	0	5MS	0	0	0	0	0	0	10S	1.9
<b>III. NORTH EASTERN PLAIN ZONE</b>													
42	HD 3076	60S	60S	0	10MR	TMS	0	20MS	10S	0	10S	60S	16.1
43	K 1006	40S	40S	0	0	TS	30S	10S	20MR	30MS	10S	40S	16.3
44	NW 5054	60S	20S	0	5S	5MS	0	20S	20S	0	20S	60S	14.9
45	PBW 661	60S	60S	0	40S	10MS	30MS	20S	20S	0	40S	60S	27.2
46	Raj 4250	80S	80S	30S	50S	10S	40S	20S	50S	0	40S	80S	40.0
47	WH 1120	10S	10S	0	20S	10MS	20MR	5S	20S	0	5S	20S	8.6
48	DBW 14 (C)	80S	80S	0	20MR	0	15MR	TS	0	0	10S	80S	18.5
49	DBW 39 (C)	60S	60S	0	0	0	15MR	TS	20S	0	5S	60S	15.2
50	HD 2733 (C)	60S	80S	30S	30S	90S	15MR	80S	80S	0	80S	90S	53.6

Sr. No.	Entries	Gurdaspur	Ludhiana	Bajaura	Janmura	Pantnagar	Khasiwan	Karnal	Malan	Durgapura	Dhauklagan	H/S	ACT
51	HD 2888 (C)	40MS	10S	0	0	0	0	10S	40S	0	20S	40S	11.2
52	HD 2985 (C)	60S	80S	0	20MR	TS	40S	TS	10MR	20S	10S	80S	22.4
53	HI 1563 (C)	80S	80S	30S	30S	TMS	30S	10S	30S	0	20S	80S	31.1
54	K 0307 (C)	60S	60S	0	20MR	10MS	30S	10S	20S	0	10S	60S	20.6
55	K 8027 (C)	60S	40S	30S	30S	30S	40S	10S	40S	0	40S	60S	32.0
56	NW 2036 (C)	60S	60S	30S	20S	40S	30S	40S	60S	60S	60S	60S	46.0
57	RAJ 4229 (I) (C)	40MS	60S	0	30S	10MS	20MS	20S	40S	0	20S	60S	22.6
<b>IV. CENTRAL ZONE</b>													
58	HD 3095	80S	80S	10S	20MS	10MS	15MR	20S	10S	0	10S	80S	24.0
59	HI 8724 (d)	10S	5S	0	30S	TMS	0	0	0	10MS	0	30S	5.4
60	HI 8725 (d)	5S	5S	0	30S	TR	0	TS	0	0	0	30S	4.1
60.A	INFECTOR	80S	80S	80S	80S	80S	50S	60S	80S	80S	80S	80S	75.0
61	HI 8727 (d)	5S	5S	0	0	0	0	0	0	0	0	5S	1.0
62	HI 8731 (d)	20S	20S	20S	0	TR	0	10S	0	0	0	20S	7.0
63	MPO 1255 (d)	10S	10S	0	10MR	5S	30MS	20S	0	40S	40S	40S	15.3
64	A 9-30-1 (C)	80S	100S	30S	10MR	80S	40S	100S	80S	60S	100S	100S	67.4
65	GW 322 (C)	80S	80S	15S	40S	60S	60S	60S	80S	30S	60S	80S	56.5
66	HD 2864 (C)	60S	80S	15S	60S	20S	40S	40S	20S	0	40S	80S	37.5
67	HI 1500 (C)	60S	40S	30S	30MR	10MS	0	40S	30S	30S	40S	60S	29.0
68	HI 1544 (C)	80S	80S	20S	40S	20MS	50S	20S	10S	20MS	60S	80S	39.2
69	HI 8498 (d) (C)	0	5S	0	0	0	20MR	0	0	60S	0	60S	7.3
70	HI 8627 (C)	5S	10S	0	20MS	TMS	30MS	0	0	0	0	30MS	5.6
71	HI 8713 (d) (I) (C)	10S	10S	0	0	TR	20MR	0	0	0	0	10S	2.8
72	MP 3288 (C)	60S	40S	0	40S	5S	30S	20S	40S	TMR	5S	60S	24.0
73	MP 3336 (I) (C)	60S	80S	15S	0	15MS	15MR	20S	30S	0	20S	80S	24.3
74	MP 4010 (C)	60S	80S	30S	20S	30S	30S	40S	30S	70S	20S	80S	41.0
75	MPO 1215 (d) (C)	5S	5S	0	20MR	TR	0	0	0	0	0	20MR	1.8
76	RAJ 4238 (I) (C)	40S	80S	20S	60S	10S	40S	40S	20S	20S	20S	80S	35.0
<b>V. PENINSULAR ZONE</b>													
77	DBW 93	60S	60S	0	40S	5S	20MS	10S	40S	0	20S	60S	25.1
78	GW 432	80S	80S	30S	60S	80S	50S	80S	80S	40S	60S	80S	64.0
79	HD 3090	80S	80S	0	60S	10S	40S	20S	30S	0	20S	80S	34.0
80	HD 3093	10S	10S	20S	5S	10S	30MS	20S	20S	0	20S	30MS	13.9
80.A	INFECTOR	80S	60S	80S	60S	90S	60S	60S	80S	60S	80S	90S	71.0
81	MACS 6478	40S	80S	30S	10MR	0	15MR	TS	0	0	0	80S	16.1
82	UAS 334	10S	40S	0	40S	15S	30MS	40S	60S	0	40S	60S	26.9
83	AKDW 2997-16(d)	20S	10S	0	0	0	20MS	40S	0	70S	0	70S	15.6
84	HD 2932 (C)	40S	80S	20S	60S	15S	50S	40S	60S	40S	40S	80S	44.5
85	MACS 6222 (C)	10S	10S	0	20MR	40S	50S	40S	60S	80S	60S	80S	35.8
86	NI 5439 (C)	80S	80S	0	60S	80S	50S	80S	80S	70S	80S	80S	66.0
87	NIAW 1415 (C)	60S	40S	0	60S	80S	40S	80S	60S	80S	60S	80S	56.0
88	NIAW 34 (C)	60S	60S	0	20S	TMS	0	5S	5MR	0	0	60S	14.8
89	NIDW 295 (d) (C)	5S	10S	0	10MR	0	0	0	0	50S	0	50S	6.9
90	Raj 4083 (C)	60S	40S	30S	20MR	0	30S	10S	TMS	50S	10S	60S	23.9
91	UAS 428 (d) (C)	20S	10S	30S	10MR	TMS	0	20S	0	60S	10S	60S	15.5
92	WHD 948 (d) (I) (C)	5S	5S	0	0	0	40S	0	0	70S	0	70S	12.0
<b>VI. SOUTHERN HILLS ZONE</b>													
93	HW 5224	20S	10S	0	20MR	10MS	30S	TS	10MR	0	10S	30S	9.1
94	CoW(W) 1 (C)	40S	80S	0	10S	80S	20S	60S	80S	50S	80S	80S	50.0
95	HW 2044 (C)	60S	80S	30S	0	10S	20MS	40S	0	50S	20S	80S	30.6
96	HW 5216 (I) (C)	40S	60S	15S	0	5MS	-	10S	40S	0	20S	60S	21.0
<b>VII. SPECIAL TRIAL</b>													
		0	0									0	0.0
97	DDK 1029 (C)	40S	20S	0	10MR	20S	20MS	60S	60S	0	40S	60S	26.0
98	Kharchia 65 (C)	80S	100S	30S	60S	90S	40S	80S	80S	50S	80S	100S	69.0
99	KRL 210 (C)	10S	10S	0	5S	5MS	20MS	5S	10MS	0	0	20MS	5.8
100	MACS 2496 (C)	60S	60S	30S	40S	40S	20MS	60S	60S	0	60S	60S	42.6
101	MACS 2971 (C)	20S	20S	0	40S	20S	-	20S	60S	TMR	40S	60S	24.5
101.A	INFECTOR	80S	60S	80S	80S	80S	50S	60S	60S	80S	80S	80S	71.0