

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
AVT IInd Year													
I. NORTHERN HILL ZONE													
1	HPW 251 (C)	60S	60S	20S	30S	40S	80S	40S	40S	0	TMS	80S	37.1
2	HS 375 (C)	40S	60S	20S	15S	40S	40S	20S	20MS	20S	10S	60S	28.1
3	HS 490 (C)	10S	60S	5MR	0	5S	40S	5S	5MS	0	0	60S	12.6
4	HS 507 (C)	5S	5S	5S	15S	5S	20S	5S	0	0	0	20S	6.0
5	HS 542 (C)	20S	40S	10MR	15S	0	20S	5S	0	0	0	40S	10.4
6	VL 829 (C)	20S	60S	5S	30S	0	60S	5S	5MR	0	5MS	60S	18.6
7	VL 892 (C)	20S	60S	0	20S	0	40S	5S	10MS	0	0	60S	15.3
II. NORTH WESTERN PLAIN ZONE													
8	DBW 88 (C)	20S	40S	20S	30S	5S	40S	5S	20S	TR	0	40S	18.0
9	DBW 90 (C)	20S	20S	5S	0	0	40S	0	TMS	5S	0	40S	9.1
10	HD 3043 (C)	20S	60S	0	0	0	20S	5S	0	0	0	60S	10.5
11	HD 2967 (C)	60S	60S	60S	40S	0	80S	40S	60S	0	0	80S	40.0
12	HD 3059 (C)	20S	60S	TR	30S	0	40S	10S	40S	0	0	60S	20.0
13	HD 3086 (C)	5S	5S	0	10S	0	0	0	TS	0	TMR	10S	2.1
14	PBW 644 (C)	10S	40S	5S	20S	0	20S	TS	5MS	TR	0	40S	10.0
15	WH 1021 (C)	20S	60S	40S	60S	60S	60S	40S	40S	5S	0	60S	38.5
16	WH 1080 (C)	5S	0	5S	0	0	20S	0	10MS	TR	5S	20S	4.3
17	WH 1105 (C)	40S	40S	0	15S	0	80S	TS	10MR	0	0	80S	18.0
18	WH 1124 (C)	5S	5S	0	0	0	60S	0	0	0	5S	60S	7.5
19	WH 1142 (I) (C)	0	5S	0	0	0	10S	0	0	30S	5MR	30S	4.7
III. NORTH EASTERN PLAIN ZONE													
20	HD 3171	20S	40S	5MR	15S	10S	40S	20S	TS	0	0	40S	14.8
20. A	INFECTOR	80S	60S	80S	80S	80S	80S	60S	80S	20S	60S	80S	68.0
21	K 1317	40S	40S	0	0	0	40S	10S	10S	0	0	40S	14.0
22	C 306 (C)	10S	60S	5S	20S	5S	60S	20S	20S	30S	5S	60S	23.5
23	DBW 39 (C)	40S	60S	40S	30S	5S	80S	30S	20S	0	10S	80S	31.5
24	HD 2733 (C)	60S	80S	80S	60S	40S	80S	60S	60S	40S	80S	80S	64.0
25	HD 2888 (C)	60S	60S	20S	30S	0	20S	TS	20S	0	0	60S	21.1
26	K 8027 (C)	60S	60S	30S	30S	0	60S	30S	10S	0	0	60S	28.0
27	K 0307 (C)	60S	60S	TR	20S	0	80S	10S	0	30S	5MS	80S	26.4
28	K 1006 (C)	20S	60S	20S	20S	5S	60S	20S	20S	TR	0	60S	22.5
IV. CENTRAL ZONE													
29	HI 8759 (D)	5S	10MS	5MR	0	0	10S	0	5S	5S	0	10S	3.5
30	HD 4728 (D) (I) (C)	0	5MR	0	0	0	5S	0	0	0	0	5S	0.8
31	HI 8498 (D) (C)	0	5MR	0	0	0	0	0	0	0	TMR	5MR	0.2
32	HI 8737 (D) (C)	TMS	5MR	TR	0	0	5S	0	0	0	5S	5S	1.3
33	MPO 1215 (d) (C)	TMS	5MR	0	0	0	10S	0	0	0	0	10S	1.3
V. PENINSULAR ZONE													
34	MACS 3949 (d)	TMS	10MR	0	0	0	10S	0	10S	0	10S	10S	3.5
35	HI 1605	20S	40S	10MR	10S	0	20S	0	10S	0	0	40S	10.4
36	AKDW 2997-16(d) (C)	10S	10MS	0	0	0	60S	0	40S	0	0	60S	11.8
37	DBW 93 (C)	40S	60S	10MR	60S	60S	80S	40S	10MS	0	0	80S	35.2
38	HD 2932 (C)	60S	80S	40S	60S	60S	60S	30S	20S	5S	30S	80S	44.5
39	MACS 6222 (C)	60S	10MS	10S	0	0	10S	5S	40S	10S	10S	60S	15.3
40	MACS 6478 (C)	80S	60S	40S	60S	60S	80S	60S	40S	0	0	80S	48.0
40. A	INFECTOR	80S	80S	80S	100S	60S	80S	60S	60S	50S	80S	100S	73.0
41	NI 5439 (C)	80S	80S	80S	80S	80S	60S	60S	60S	40S	90S	90S	71.0
42	NIAW 1415 (C)	80S	80S	80S	80S	80S	80S	40S	60S	40S	60S	80S	68.0
43	NIAW 34 (C)	60S	80S	20MR	30S	60S	40S	20S	20S	0	10S	80S	32.8
44	NIDW 295 (D) (C)	TMS	5MR	0	0	0	5S	0	TS	0	0	5S	0.9
45	RAJ 4083 (C)	20S	40S	0	15S	0	60S	30S	0	-	0	60S	18.3
46	UAS 428 (d) (C)	TMS	5MR	5MR	0	0	5S	0	0	0	5MS	5S	1.4

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		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
47	UAS 446 (d) (C)	TMS	5MR	0	0	0	5S	0	0	0	5S	5S	1.3
VI. SOUTHERN HILLS ZONE													
48	HW 2044 (C)	60S	20S	10MS	60S	0	40S	30S	10MS	0	0	60S	22.6
49	HW 5216 (C)	60S	40S	40S	60S	80S	80S	40S	20MS	0	0	80S	41.6
50	CoW (W) -1 (C)	TMR	40S	TR	0	0	60S	0	0	0	0	60S	10.1
VII. SPECIAL TRIAL (MABB-IR-LS-CZ/PZ/WB)													
51	HD 3209	80S	80S	80S	60S	80S	60S	40S	40S	40S	30S	80S	59.0
52	PBW 723	20S	20MS	5MR	0	0	40S	5S	TS	0	0	40S	8.4
53	WB 2	20S	60S	0	0	0	40S	TS	TS	0	0	60S	12.2
54	DBW 14 (C)	60S	40S	0	30S	0	80S	5S	5S	0	0	80S	22.0
55	DBW 71 (C)	10S	20S	10S	20S	0	10S	0	0	0	0	20S	7.0
56	DDK 1029 (C)	60S	60S	40S	20S	40S	80S	20S	60S	30S	80S	80S	49.0
57	DPW 621-50 (C)	20S	60S	TR	40S	0	40S	10S	40S	15S	0	60S	22.5
58	GW 322 (C)	60S	60S	40S	60S	80S	40S	30S	40S	-	40S	80S	50.0
59	HD 2864 (C)	60S	80S	60S	60S	80S	80S	60S	60S	15S	5S	80S	56.0
60	HW 1098 (C)	60S	40S	60S	20S	80S	80S	20S	60S	0	80S	80S	50.0
60. A	INFECTOR	80S	80S	80S	80S	80S	80S	60S	60S	40S	80S	80S	72.0
61	Kharchia 65 (C)	60S	80S	80S	100S	100S	80S	60S	60S	40S	80S	100S	74.0
62	KRL 19 (C)	60S	60S	40S	60S	80S	80S	40S	20S	0	20S	80S	46.0
63	KRL 210 (C)	5S	0	5MS	5S	0	5S	0	0	10S	0	10S	2.9
64	MP 3336 (C)	80S	80S	20S	80S	80S	60S	30S	0	0	10S	80S	44.0
65	PBW 343 (C)	80S	80S	80S	100S	80S	80S	60S	40S	50S	40S	100S	69.0
66	TL 2942 (C)	TMS	0	0	0	0	0	0	0	0	0	TMS	0.1
67	TL 2969 (C)	0	0	0	0	0	0	0	0	0	0	0	0.0
68	WR 544 (C)	40S	80S	40S	40S	80S	60S	10S	20S	20S	10MS	80S	39.8
68. A	INFECTOR	80S	80S	80S	100S	80S	60S	60S	60S	20S	80S	100S	70.0
AVT Ist Year													
I. NORTHERN HILL ZONE													
1	HPW423	5S	0	5MR	0	0	0	TS	TS	0	0	5S	0.9
2	HPW424	10S	20S	0	0	0	20S	5S	0	0	0	20S	5.5
3	HPW432	5S	5MR	0	0	0	10S	0	0	0	0	10S	1.7
4	HPW433	10S	10S	5MR	0	0	10S	0	0	0	5S	10S	3.7
5	HS622	5S	0	0	0	0	0	0	TS	0	0	5S	0.6
6	HS623	10S	5MS	5MR	0	0	5S	5S	0	0	5S	10S	3.1
7	HS625	10S	40S	0	10S	5S	10S	TS	0	0	0	40S	7.6
8	HS626	0	10S	0	0	0	5S	0	0	0	0	10S	1.5
9	HS627	5S	5S	TR	0	0	40S	0	TS	0	0	40S*	5.1
10	HS628	TMS	0	0	0	5S	20S	0	0	0	TMR	20S	2.6
11	UP2954	10S	40S	TR	5S	0	40S	5S	0	0	0	40S	10.0
12	UP2955	20S	40S	0	5S	5S	20S	10S	0	0	0	40S	10.0
13	VL1008	5S	0	TR	0	5S	40S	5S	0	0	0	40S*	5.5
14	VL1009	TMS	0	5MR	0	0	40S	5S	0	0	0	40S	4.8
15	VL1010	10S	60S	0	0	10S	10S	10S	TS	0	0	60S	10.1
16	VL3010	20S	40S	0	0	0	10S	5S	0	0	0	40S	7.5
17	VL3011	10S	60S	0	0	0	20S	5S	0	0	0	60S	9.5
18	VL3012	5S	40S	0	0	0	10S	0	0	0	0	40S	5.5
II. NORTH WESTERN PLAIN ZONE													
19	DBW 172	20S	60S	0	0	0	40S	10S	0	0	0	60S	13.0
20	DBW 173	5S	40S	0	0	0	10S	TS	0	0	0	40S	5.6
20. A	INFECTOR	80S	80S	80S	80S	100S	60S	60S	60S	20S	80S	100S	70.0
21	DBW 179	5S	20S	0	0	0	20S	TS	0	0	0	20S	4.6
22	NW 6046	0	40S	0	0	5S	10S	0	0	0	0	40S	5.5
23	PBW 725	0	0	0	0	0	5S	0	0	0	0	5S	0.5
24	PBW 737	0	0	0	0	0	10S	0	0	0	0	10S	1.0
25	UP 2903	10S	60S	10MS	10S	20S	40S	0	10S	0	0	60S	15.8

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		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
26	UP 2907	20S	60S	10MS	0	0	60S	30S	10S	0	0	60S	18.8
27	WH 1184	0	0	0		0	10S	TS	0	0	0	10S	1.2
III. NORTH EASTERN PLAIN ZONE													
28	HD 3184	40S	60S	0	0	0	40S	TS	0	10S	0	60S	15.1
29	HI 1612	TMR	10S	5MR	5S	0	5S	0	0	0	0	10S	2.2
30	WH 1181	0	5MS	5MR	0	0	40S	TS	0	0	0	40S*	4.7
IV. CENTRAL ZONE													
31	HI 8774 (D)	5S	5MR	0	0	0	5S	0	0	0	TMR	5S	1.2
32	PDW 344 (D)	5S	5MR	0	0	0	5S	0	0	0	0	5S	1.2
V. PENINSULAR ZONE													
33	AKAW 4842	80S	80S	60S	60S	100S	80S	80S	TS	50S	40S	100S	63.1
34	DBW 168	40S	80S	5MR	30S	40S	60S	40S	5S	0	0	80S	29.7
35	GW 477	60S	80S	80S	80S	100S	80S	60S	60S	30S	15S	100S	64.5
36	HI 8777 (D)	10S	20MR	0	0	40S	20S	5S	40S	0	5MR	40S	12.5
37	KD 1418 (D)	10S	40S	0	0	0	10S	30S	40S	5S	TMS	40S	13.6
38	MACS 4028 (D)	20S	40S	40S	0	80S	60S	5S	40S	20S	0	80S	30.5
39	MACS 6660	60S	80S	80S	30S	60S	80S	40S	40S	20S	60S	80S	55.0
40	NIAW 2495	60S	60S	80S	40S	80S	80S	60S	60S	40S	40S	80S	60.0
40. A	INFECTOR	80S	60S	80S	80S	80S	80S	80S	60S	30S	80S	80S	71.0
41	RKD 283 (D)	20S	20MR	20MS	0	0	20S	5S	20S	0	5MS	20S	9.3
42	RKD 292 (D)	40S	10MS	0	0	40S	20S	0	10S	0	0	40S	11.8
43	UAS 375	40S	60S	40MS	30S	40S	10S	30S	20S	10S	15S	60S	28.7
44	UAS 459 (D)	5S	10MR	5MR	0	0	10S	TS	10S	20S	0	20S	5.2
VI. SPECIAL TRIAL (Dicoccum and Salinity and Alkalinity)													
45	DBW 214	20S	60S	0	15S	0	40S	40S	10MS	10S	0	60S	19.3
46	DBW 215	20S	60S	0	0	0	60S	20S	0	0	0	60S	16.0
47	DBW 216	20S	60S	0	5S	0	20S	20S	0	0	0	60S	12.5
48	DBW 217	10S	40S	0	10S	0	60S	10S	10S	0	0	60S	14.0
49	DDK 1050	60S	40S	40MS	0	60S	80S	20S	60S	15S	60MS	80S	41.5
50	DDK 1051	60S	40S	40MS	0	60S	60S	20S	60S	30S	60MS	60S	41.0
51	KA 1427	40S	60S	20S	30S	0	40S	20S	40S	0	0	60S	25.0
52	MACS 5044	60S	40S	20S	0	40S	60S	20S	60S	40S	60MS	60S	38.8
53	MACS 5046	60S	60S	40S	0	40S	80S	20S	80S	30S	60MS	80S	45.8
54	NW 6094	20S	40S	5MR	0	0	40S	10S	5S	0	0	40S	11.7
55	WH 1310	5S	5MR	TR	0	0	5S	5S	TS	0	0	5S	1.8
VII. SPECIAL TRIAL (TRITICALE)													
56	TL 3006	0	0	0	0	0	20S	0	0	0	0	20S	2.0
57	TL 3007	0	5MR	0	0	0	40S	0	0	0	0	40S*	4.2
58	TL 3008	0	0	0	0	0	40S	0	0	0	0	40S*	4.0
59	TL 3009	0	0	0	0	0	40S	0	0	0	0	40S*	4.0
60	TL 3010	0	5MR	0	0	0	20S	0	0	0	0	20S	2.2
60. A	INFECTOR	80S	80S	80S	80S	100S	80S	40S	60S	30S	80S	100S	71.0
VIII. SPECIAL TRIAL (MABB/NIL (KB) ENTRIES/Biofortification trial)													
61	HPBW 01	5S	60S	5S	0	0	40S	5S	0	0	0	60S	11.5
62	HPBW 02	5S	60S	10S	0	0	20S	TS	0	0	0	60S	9.6
63	HPPAU 05	5S	0	0	0	0	5S	0	0	TR	0	5S	1.0
64	HPPAU 08	5S	60S	0	0	0	10S	TS	0	0	0	60S	7.6
65	HPPAU 10	0	0	0	0	0	20S	TS	5S	0	0	20S	2.6
66	PBW 760	TMS	0	0	0	0	0	0	0	0	0	TMS	0.1
IX. SPECIAL TRIAL (Very Late Sown)													
67	DBW 218	5S	40S	0	5S	0	60S	5S	0	0	0	60S	11.5
68	DBW 219	60S	20S	0	5S	0	60S	5S	10MS	0	0	60S	15.8
69	DBW 220	0	0	TR	10S	0	20S	0	0	0	0	20S	3.0
70	HD 3236	5S	40S	0	15S	0	40S	10S	TS	0	0	40S	11.1
71	HI 1621	0	0	5MS	10S	0	10S	5S	0	0	0	10S	2.9

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		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
72	PBW 756	TMR	40S	0	15S	0	10S	10S	0	0	0	40S	7.5
73	PBW 757	TMR	0	0	0	0	0	5S	0	0	0	5S	0.5
74	WH 1215	10S	40S	0	15S	0	20S	20S	0	0	0	40S	10.5
75	WH 1216	TMR	10S	0	20S	5S	20S	5S	10S	0	5MS	20S	7.4
X. AVTs for Summer sown (VHA)													
76	HS 580	0	0	5MR	0	10S	40S	10S	0	0	5MR	40S	6.4
77	HS 590	40S	60S	0	0	0	60S	20S	0	0	0	60S	18.0
78	VL 3002	5S	20S	0	0	0	20S	5S	0	0	0	20S	5.0
79	VL 4001	60S	60S	0	30S	5S	60S	10S	0	0	0	60S	22.5
80	PBW 621	20S	60S	10MR	20S	5S	60S	10S	20MS	0	0	60S	19.5
80. A	INFECTOR	80S	80S	80S	100S	80S	80S	40S	60S	30	80S	100S	75.6
81	HPW 393					-							
82	HPW 394												
NIVT 1A													
1	UP 2940	5S	60S	0	0	0	60S	5S	0	0	0	60S	13.0
2	K 1501	5S	40S	10MS	5S	20S	60S	10S	5S	0	0	60S	15.3
3	UP 2939	10S	60S	0	20S	20S	60S	20S	10MR	0	0	60S	19.4
4	HD 3220	0	0	0	0	0	20S	10S	0	0	0	20S	3.0
5	UP 2936	0	60S	0	0	0	20S	5S	0	TR	0	60S	8.5
6	HUW 802	20S	5S	5MR	0	20S	40S	5S	0	0	0	40S	9.2
7	WH 1201	0	0	0	0	0	0	0	0	0	0	0	0.0
8	RAJ 4465	0	0	0	0	0	40S	5S	0	0	0	40S*	4.5
9	HD 3222	40S	5S	10MR	0	0	40S	10S	0	0	0	40S	9.9
10	HD 3218	10S	60S	0	15S	5S	20S	20S	10S	0	0	60S	14.0
11	NW 6094	0	40S	20MR	15S	0	40S	10S	TS	0	0	40S	11.4
12	PBW 761	0	0	0	0	0	20S	TS	0	0	0	20S	2.1
13	HUW 801	0	0	0	0	5S	0	0	10MR	0	0	5S	0.9
14	PBW 747	0	20S	0	10S	0	10S	5S	0	0	0	20S	4.5
15	HD 3223	0	40S	0	15S	0	40S	TS	TR	0	0	40S	9.6
16	WH 1203	0	0	0	0	0	10S	TS	0	0	5S	10S	1.6
17	BRW 3786	20S	5S	0	5 MR	5S	0	TS	20MR	15S	10MS	20S	6.4
18	JKW 230	60S	60S	60S	40S	40S	80S	80S	20MS	TR	TS	80S	43.7
19	DBW 194	20S	40S	TR	20S	0	40S	5S	40S	0	0	40S	16.5
20	DBW 189	40S	60S	5MR	15S	0	40S	20S	10MR	5S	0	60S	18.6
20. A	INFECTOR	80S	60S	80S	80S	60S	80S	60S	60S	20S	80S	80S	66.0
21	DBW 193	10S	20S	TR	5S	5S	60S	20S	10MR	0	0	60S	12.4
22	K 1503	60S	60S	5MR	30S	20S	80S	30S	0	0	0	80S	28.2
23	RAJ 4462	20S	60S	0	10S	0	80S	20S	0	30S	0	80S	22.0
24	UP 2937	0	TS	0	0	0	0	10S	0	0	0	10S	1.1
25	WH 1200	0	0	0	0	0	0	5S	TS	0	0	5S	0.6
26	RAJ 4464	10S	10S	0	10S	0	40S	5S	TR	0	0	40S	7.5
27	NW 6078	40S	40S	0	20S	0	80S	20S	0	5S	0	80S	20.5
28	DBW 188	0	0	0	15S	0	20S	0	0	5S	0	20S	4.0
29	PBW 744	0	0	0	0	0	10S	0	0	0	0	10S	1.0
30	BRW 3785	0	60S	0	0	0	40S	TS	0	0	0	60S	10.1
31	HD 3221	0	40S	0	0	0	40S	TS	0	0	0	40S	8.1
32	K 1502	0	0	0	0	0	0	TS	0	0	0	TS	0.1
33	RAJ 4463	0	20S	5MR	0	0	20S	TS	TR	0	0	20S	4.3
34	UP 2938	0	40S	0	10S	0	60S	5S	5S	0	0	60S	12.0
35	DBW 192	0	0	0	0	0	0	5S	0	0	0	5S	0.5
36	WH 1204	0	0	0	10S	0	20S	5S	0	0	0	20S	3.5
37	PBW 745	0	0	0	0	0	0	TS	0	0	0	TS	0.1
38	HD 3217	10S	40S	40MR	0	0	40S	5S	0	0	0	40S	11.1
39	PBW 746	0	0	0	0	0	10S	0	0	0	0	10S	1.0
40	DBW 187	0	0	0	10S	0	20S	0	0	0	0	20S	3.0

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
40. A	INFECTOR	80S	60S	80S	80S	80S	80S	40S	60S	30S	90S	90S	68.0
41	DBW 191	0	40S	0	15S	0	60S	TS	0	0	0	60S	11.6
42	HD 3219	40S	60S	0	20S	20S	80S	30S	0	0	0	80S	25.0
43	HP 1962	40S	60S	0	10S	0	60S	10S	20MR	0	0	60S	18.8
44	DBW 190	20S	40S	0	15S	0	60S	10S	0	0	0	60S	14.5
45	WH 1202	0	0	0	20S	0	20S	0	5S	0	0	20S	4.5
NIVT 1B													
46	PBW 749	0	0	0	0	0	20S	0	0	0	0	20S	2.0
47	K 1508	20S	40S	0	10S	0	60S	20S	0	0	0	60S	15.0
48	DBW 199	40S	60S	0	20S	5S	60S	30S	10MR	0	0	60S	21.9
49	NW 6079	40S	10S	TR	20S	0	40S	10S	5MR	10S	0	40S	13.2
50	K 1506	0	0	0	5S	0	40S	10S	0	0	0	40S	5.5
51	BRW 3770	20MR	10S	0	20S	0	40S	10S	10MR	0	0	40S	9.2
52	RAJ 4468	0	20S	0	20S	0	10S	5S	0	0	0	20S	5.5
53	HP 1963	0	40S	0	20S	0	10S	0	0	0	0	40S	7.0
54	JKW 225	0	0	0	20S	0	20S	0	0	0	0	20S	4.0
55	NW 6093	40S	60S	30S	60S	0	80S	40S	0	0	0	80S	31.0
56	PBW 750	0	10S	0	10S	5S	40S	5S	0	20S	0	40S	9.0
57	HD 3228	0	10S	0	0	0	20S	5S	0	0	0	20S	3.5
58	JKW 221	0	60S	0	10S	0	60S	5S	0	0	0	60S	13.5
59	RAJ 4466	0	60S	0	0	5S	60S	20S	0	0	0	60S	14.5
60	HUW 806	0	0	0	0	0	40S	TS	20MS	0	0	40S	5.7
60. A	INFECTOR	80S	80S	80S	80S	80S	80S	40S	60S	0	80S	80S	66.0
61	DBW 197	0	40S	0	10S	0	40S	TS	0	TR	0	40S	9.1
62	WH 1206	0	5S	0	10S	0	60S	TS	0	0	0	60S	7.6
63	HD 3227	0		0	0	0	40S	TS	0	0	0	40S*	4.6
64	HUW 807	0	0	0	0	0	20S	0	0	0	-	20S	2.2
65	NW 6082	0	60S	10S	5 MR	0	60S	20S	0	0	0	60S	15.2
66	UBW-8	0	20S	0	5S	5S	40S	10S	0	0	0	40S	8.0
67	DBW 196	0	20S	0	5S	0	40S	10S	0	0	0	40S	7.5
68	K 1505	20S	40S	0	5S	10S	40S	10S	0	0	0	40S	12.5
69	WH 1207	0	0	0	10S	0	20S	TS	0	0	0	20S	3.1
70	HD 3229	0	5S	0	0	0	10S	TS	5S	5S	0	10S	2.6
71	PBW 748	0	0	0	0	0	20S	TS	0	0	0	20S	2.1
72	BRW 3771	0	40S	0	20S	5S	60S	5S	0	20S	0	60S	15.0
73	K 1507	0	40S	0	10S	0	40S	5S	0	0	0	40S	9.5
74	DBW 195	0	5S	0	20S	0	40S	TS	0	0	0	40S	6.6
75	WH 1205	0	40S	0	15S	0	60S	5S	0	0	0	60S	12.0
76	K 1504	0	5S	0	0	0	20S	TS	0	0	0	20S	2.6
77	AAIW 8	0	60S	0	60S	0	60S	10S	0	0	0	60S	19.0
78	DBW 198	0	60S	0	80S	0	80S	10S	0	0	0	80S	23.0
79	HD 3225	0	5S	0	0	0	20S	10S	0	0	0	20S	3.5
80	BRW 3773	0	0	0	0	0	20S	TS	0	0	0	20S	2.1
80. A	INFECTOR	80S	80S	80S	80S	60S	80S	60S	60S	40S	80S	80S	70.0
81	HD 3226	0	0	0	0	0	20S	TS	0	0	0	20S	2.1
82	HUW 804	60S	60S	40S	80S	40S	80S	40S	10S	0	0	80S	41.0
83	UP 2941	0	60S	0	60S	5S	80S	10S	TS	0	0	80S	21.6
84	NW 6088	TMS	TS	0	40S	0	60S	TS	0	10S	0	60S	11.3
85	HD 3224	40S	40S	0	60S	0	60S	10S	10S	0	TMR	60S	22.0
86	UP 2942	0	20S	0	20S	0	60S	5S	0	0	0	60S	10.5
87	HUW 803	0	20S	0	30S	0	40S	TS	0	0	TMS	40S	9.2
88	HD 3230	10S	40S	0	30S	0	80S	5S	0	TR	5S	80S	17.0
89	NW 6090	5S	0	0	0	10S	40S	TS	0	0	0	40S	5.6
90	UP 2943	0	20S	0	10S	0	60S	5S	0	0	0	60S	9.5
NIVT 2													

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
91	UAS 379	60S	60S	10MR	60S	80S	80S	40S	20S	30S	10MS	80S	44.2
92	RVW 4246	40S	10S	5MR	40S	100S	80S	40S	10S	30S	0	100S	35.2
93	RAJ 4470	60S	60S	20MR	80S	5S	80S	40S	10MS	TR	TR	80S	34.1
94	GW 485	60S	40S	5MR	80S	10S	80S	30S	0	TR	0	80S	30.2
95	HI 1613	60S	60S	30S	80S	40S	80S	40S	20S	5S	0	80S	41.5
96	GW 481	60S	80S	60S	80S	80S	80S	60S	20S	30S	20S	80S	57.0
97	RVW 4247	40S	60S	10S	80S	10S	80S	30S	0	0	0	80S	31.0
98	K 1510	0	40S	30S	15S	0	60S	10S	0	0	0	60S	15.5
99	JWS 149	0	40S	0	60S	40S	80S	20S	20MS	40S	20S	80S	31.6
100	DBW 201	0	20S	0	10S	0	40S	5S	0	20S	0	40S	9.5
100. A	INFECTOR	80S	60S	80S	100S	80S	80S	40S	60S	30S	80S	100S	69.0
101	MACS 6692	60S	60S	0	60S	10S	80S	30S	20MS	30S	10S	80S	35.6
102	HI 1615	40S	40S	0	20S	5S	60S	5S	10MS	0	0	60S	17.8
103	NIAW 2844	60S	10S	10MS	30S	80S	80S	30S	20MS	30S	15S	80S	35.9
104	AKAW 4899	40S	40S	30S	30S	100S	80S	60S	40S	60S	30S	100S	51.0
105	MP 1324	40S	40S	40S	20S	0	60S	10S	0	0	0	60S	21.0
106	HI 1616	80S	60S	0	60S	80S	80S	30S	20S	40S	0	80S	45.0
107	UAS 378	20S	0	0	0	0	0	5S	10S	0	10S	20S	4.5
108	UAS 380	40S	60S	0	30S	5S	80S	30S	10S	0	5S	80S	26.0
109	MP 1325	40S	40S	0	20S	40S	60S	30S	10S	0	5MS	60S	24.4
110	MP 3465	0	20S	0	0	0	20S	5S	0	0	0	20S	4.5
111	HD 3231	60S	60S	10S	40S	40S	80S	40S	10S	20S	10S	80S	37.0
112	WH 1208	10S	5S	0	15S	0	40S	10S	0	0	0	40S	8.0
113	GW 480	60S	60S	10MS	10S	60S	80S	40S	20S	0	5MR	80S	34.0
114	UP 2944	0	10S	0	40S	0	10S	5S	0	15S	TMR	40S	8.0
115	MP 1323	0	40S	0	40S	0	40S	5S	10MS	TR	0	40S	13.3
116	GW 479	60S	60S	60S	80S	80S	80S	40S	20S	5S	80S	80S	56.5
117	HI 1544 (C)	60S	60S	10MR	60S	80S	80S	40S	20S	20S	5MR	80S	42.6
118	DBW 200	20S	40S	0	30S	5S	80S	10S	5S	0	0	80S	19.0
119	MACS 6689	60S	60S	80S	60S	100S	80S	30S	60S	80S	100S	100S	71.0
120	UAS 381	0	0	5MR	0	0	20S	TS	10S	0	0	20S	3.3
120. A	INFECTOR	80S	60S	80S	80S	60S	80S	40S	60S	30S	90S	90S	66.0
121	NIAW 2892	0	40S	0	5 MR	0	40S	5S	0	0	0	40S	8.7
122	PBW 751	0	40S	0	15S	0	60S	TS	0	0	0	60S	11.6
123	HI 1614	TMR	20S	5MR	40S	0	40S	20S	10MR	20S	10MS	40S	15.4
124	GW 483	60S	80S	60S	80S	80S	80S	40S	20MS	40S	20S	80S	55.6
125	CG 1020	40S	60S	20MS	40S	40S	60S	5S	20MS	20S	10S	60S	30.7
NIVT - 3A													
126	PBW 754	0	5S	TR	10S	0	20S	0	0	0	TMR	20S	3.6
127	HD 3235	0	40S	0	0	10S	80S	5S	0	0	0	80S	13.5
128	HD 3232	40S	40S	5MR	30S	0	60S	10S	10S	0	0	60S	19.2
129	HD 3234	0	5MS	0	0	0	0	5S	0	5S	5MS	5S	1.8
130	HI 1617	0	40S	0	0	0	60S	5S	0	0	0	60S	11.7
131	HP 1964	20S	60S	0	60S	0	80S	20S	5S	0	0	80S	24.5
132	HUW 810	0	40S	5MR	0	0	20S	5S	0	0	-	40S	7.4
133	K 1514	40S	60S	20MS	60S	60S	40S	20S	20MS	10S	0	60S	32.2
134	K 1512	20S	60S	0	40S	5S	60S	5S	0	0	0	60S	19.0
135	HUW 808	40S	60S	TR	40S	0	40S	10S	10MR	10S	5MR	60S	20.6
136	DBW 203	0	5S	0	0	0	20S	5S	0	0	5MR	20S	3.2
137	RAJ 4471	0	5S	0	0	0	40S	10S	0	0	0	40S	5.5
138	BRW 3777	0	40S	0	10S	0	60S	5S	0	0	0	60S	11.5
139	HI 1563 (C)	60S	40S	0	60S	0	80S	20S	0	0	0	80S	26.0
140	UP 2948	0	10S	0	20S	0	20S	TS	0	0	0	20S	5.1
140. A	INFECTOR	80S	80S	80S	100S	60S	80S	40S	60S	20S	80S	100S	68.0
141	JKW 222	60S	60S	40S	40S	5S	60S	20S	10S	0	0	60S	29.5

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
142	UP 2945	0	10S	0	0	0	40S	TS	0	0	0	40S	5.1
143	WH 1210	0	5S	0	0	0	20S	0	0	0	0	20S	2.5
144	WH 1211	0	10S	0	10S	0	40S	10S	0	0	0	40S	7.0
145	UBW 9	0	5S	0	10S	0	20S	0	10MR	10S	0	20S	4.7
146	K 1513	60S	40S	0	40S	0	40S	20S	0	0	0	60S	20.0
147	UP 2947	40S	60S	20S	40S	0	60S	30S	10S	0	0	60S	26.0
148	HUW 809	0	0	0	10S	0	60S	5S	0	0	0	60S	7.5
149	WH 1209	0	5MS	0	0	0	20S	0	0	0	0	20S	2.4
150	PBW 752	0	0	0	0	0	0	TS	10MR	0	0	10MR	0.5
151	RAJ 4472	0	40S	0	0	0	60S	40S	10S	0	5MR	60S	15.2
152	HD 3233	40S	40S	60S	20S	0	80S	40S	10S	10S	0	80S	30.0
153	PBW 753	0	0	0	0	0	20S	0	0	5S	0	20S	2.5
154	DBW 205	TMS	TS	0	10S	0	20S	TMR	0	0	0	20S	3.2
155	DBW 202	40S	40S	0	15S	0	80S	30S	0	0	0	80S	20.5
156	NW 6071	0	10S	0	0	0	20S	5S	0	TR	0	20S	3.5
157	DBW 204	0	40S	0	0	5S	60S	20S	0	-	5MR	60S	14.1
158	NW 6080	0	0	0	0	0	20S	0	0	-	0	20S	2.2
NIVT 3B													
159	MP 1327	0	5S	0	5S	0	0	5S	0	-	0	5S	1.7
160	NIAW 2721	60S	60S	10MR	40S	0	80S	60S	0	-	5MR	80S	34.0
160. A	INFECTOR	80S	80S	80S	80S	60S	80S	60S	60S	20S	90S	90S	69.0
161	UAS 382	0	40S	0	10S	0	80S	5S	0	5S	0	80S	14.0
162	RAJ 4474	0	60S	5MR	40S	0	80S	20S	0	20S	0	80S	22.2
163	UAS 383	TMR	40S	10MS	40S	5S	80S	40S	10MR	40S	30S	80S	28.7
164	HI 8780	0	0	0	10S	0	80S	0	10MR	10S	10S	80S	11.4
165	DBW 209	0	60S	40S	40S	0	80S	30S	20S	0	0	80S	27.0
166	NIAW 2725	60S	60S	5MR	40S	10S	80S	80S	20MS	0	0	80S	34.8
167	CG 1022	TMS	5S	0	0	0	60S	10S	TS	15S	5MS	60S	9.6
168	AKAW 4127	40S	40S	0	30S	0	80S	40S	10MS	0	0	80S	23.8
169	PBW 755	0	0	0	0	0	20S	0	0	-	0	20S	2.2
170	MACS 6618	60S	60S	60S	60S	100S	80S	60S	60S	60S	80S	100S	68.0
171	DBW 208	0	40S	5MS	5S	0	60S	5S	0	0	0	60S	11.4
172	PBN 4585	40S	60S	20S	30S	80S	80S	40S	0	60S	60S	80S	47.0
173	WH 1214	0	0	0	0	0	20S	0	0	30S	5MR	30S	5.2
174	NIAW 2891	0	20MS	0	20S	0	60S	20S	10S	0	20MR	60S	13.4
175	RVW 4241	40S	40S	0	20S	0	60S	40S	TS	0	TMR	60S	20.1
176	DBW 206	40S	60S	5MR	30S	20S	80S	10S	TS	0	0	80S	24.3
177	MACS 6679	0	40S	0	40S	0	60S	20S	0	0	0	60S	16.0
178	MP 1326	0	5S	0	0	0	20S	TMR	0	0	0	20S	2.5
179	HI 8781	0	5S	0	5S	0	40S	0		0	0	40S	5.6
180	GW 488	80S	60S	80S	60S	60S	80S	80S	0	0	0	80S	50.0
180. A	INFECTOR	80S	80S	80S	80S	80S	80S	60S	60S	10S	80S	80S	69.0
181	MP 1328	5MS	60S	40MS	60S	0	80S	30S	20MS	0	5MS	80S	28.6
182	CG 1021	80S	60S	80S	80S	60S	80S	60S	60S	60S	40S	80S	66.0
183	MP 4010 (C)	60S	60S	5MR	60S	40S	80S	40S	10S	0	5S	80S	35.7
184	HI 1618	60S	60S	20MR	80S	40S	80S	40S	20S	10S	0	80S	39.8
185	GW 486	60S	60S	30MS	80S	60S	80S	40S	40S	50S	80S	80S	57.4
186	HP 1965	20S	60S	10MR	60S	0	80S	40S	10S	0	-	80S	30.4
187	MP 3456	80S	60S	40S	40S	40S	60S	40S	20S	20S	10MR	80S	40.4
188	DBW 207	60S	40S	10S	60S	0	60S	20S	40S	0	0	60S	29.0
189	GW 487	60S	80S	40S	10S	0	80S	30S	20S	10S	10MS	80S	33.8
190	WH 1213	0	0	TR	0	0	40S	TS	0	0	5MR	40S	4.3
191	MP 3459	0	40S	5MR	0	0	20S	10S	10S	0	5MR	40S	8.4
NIVT - 4													
192	GW 1330	0	0	0	0	0	20S	0	10MS	5S	10MR	20S	3.7

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
193	PDW 350	0	0	0	0	0	0	0	0	TR	0	TR	0.0
194	UAS 461	0	0	TR	0	0	20S	0	TS	TR	10MR	20S	2.5
195	HI 8787	0	5MS	0	5S	0	20S	0	0	0	5MR	20S	3.1
196	GW 1332	0	5MS	0	0	0	40S	0		30S	TMR	40S	8.3
197	GW 1329	0	10MS	0	0	0	40S	0	10MR	0	TMR	40S	5.2
198	MPO 1329	0	10MS	0	0	0	20S	0	TS	10S	TMR	20S	3.9
199	NIDW 1055	0	5MR	0	0	0	0	0	0	0	TMR	5MR	0.2
200	PDW 348	0	5MR	0	0	0	5S	0	0	20S	TMR	20S	2.7
200. A	INFECTOR	80S	80S	80S	100S	60S	80S	60S	60S	70S	80S	100S	75.0
201	DDW 40	0	0	0	0	0	0	0	0	0	0	0	0.0
202	PDW 349	0	0	0	0	0	10S	0	TS	0	TMR	10S	1.1
203	PBND 4826	0	5MR	0	0	0	20S	0	0	0	TMR	20S	2.2
204	AKDW 4905	0	0	0	0	0	0	0	0	0	0	0	0.0
205	HI 8786	TMS	TR	0	0	0	0	0	0	0	0	TMS	0.1
206	GW 1331	10S	20MS	5MR	10S	5S	20S	0	20S	0	10MR	20S	8.7
207	MACS 4049	0	10MS	0	5 MR	0	5S	0	0	0	TMR	10MS	1.5
208	HI 8785	10S	10MS	0	0	0	TR	0	10S	0	5MR	10S	3.0
209	HI 8784	0	10MS	0	0	0	TR	0	0	0	TMR	10MS	0.9
210	MACS 4054	10S	10MR	0	0	0	20S	5MR	10S	30S	10MR	30S	8.0
211	PDW 347	0	5MS	0	0	0	0	0	0	0	TMR	5MS	0.4
212	WHD 960	0	5MS	TR	0	0	0	0	0	0	10MS	10MS	1.2
213	NIDW 1038	0	0	TR	0	0	0	0	0	0	0	TR	0.0
214	DDW 39	0	5MS	0	0	0	20S	0	0	0	0	20S	2.4
215	HI 8783	0	5MS	0	0	0	0	0	0	0	5MR	5MS	0.6
216	HI 8782	0	10MS	5MR	0	0	20S	0	0	0	20MR	20S	3.8
217	WHD 959	0	0	0	0	0	0	0	0	0	10MR	10MR	0.4
218	RKD 305	0	20MS	0	0	0	0	0	0	20S	TMR	20S	3.6
219	HI 8788	0	5MS	0	0	0	TR	0	0	10S	0	10S	1.4
220	MPO 1330	0	5MS	0	0	0	40S	0	5S	0	0	40S*	4.9
220. A	INFECTOR	80S	80S	80S	80S	60S	80S	60S	60S	60S	80S	80S	72.0
221	UAS 460	0	5MS	0	0	0	20S	0	0	0	10MR	20S	2.8
222	UPD 2949	0	5MS	0	0	0	10S	0	0	0	0	10S	1.4
223	MACS 4050	20S	20MS	0	0	0	40S	0	0	20S	5MR	40S	9.8
224	RKD 296	0	5MS	0	0	0	20S	0	0	0	5MS	20S	2.8
225	GW 1328	0	5MS	0	5 MR	0	40S	0	0	10S	5MS	40S	6.0
NIVT - 5A													
226	K 1516	40S	40S	0	30S	80S	60S	10S	20S	15S	10S	80S	30.5
227	DBW 213	20S	40S	0	20S	0	60S	5S	0	0	0	60S	14.5
228	MACS 6677	5S	5S	0	30S	0	20S	20S	10MR	10S	10MS	30S	10.2
229	MP 1318	10S	40S	0	15S	0	40S	5S	0	0	5S	40S	11.5
230	BRW 3775	0	40S	0	30S	0	40S	TS	0	0	0	40S	11.1
231	DBW 212	10S	0	0	0	0	40S	0	10S	0	0	40S	6.0
232	NIAW 2822	60S	60S	10MR	60S	100S	80S	40S	40S	60S	20S	100S	52.4
233	MACS 6678	0	5MS	0	5S	0	60S	TS	0	0	0	60S	7.0
234	UP 2951	0	5MS	0	0	5S	40S	TS	0	TR	0	40S	5.0
235	K 1517	0	40S	TR	20S	0	60S	5S	0	0	0	60S	12.5
236	NIAW 2930	0	20S	20MR	0	0	60S	20S	0	0	0	60S	10.8
237	DBW 110 (C)	0	40S	0	15S	0	60S	10S	10S	20S	TMS	60S	15.6
238	MP 3466	TMR	20S	0	60S	0	60S	10S	10MR	20S	15S	60S	18.9
239	MP 1320	0	5MS	0	40S	0	80S	20S	0	0	5MR	80S	14.6
240	JWS 148	60S	60S	0	80S	80S	80S	60S	20S	40S	5MR	80S	48.2
240. A	INFECTOR	80S	80S	80S	80S	80S	80S	60S	60S	50S	80S	80S	73.0
241	DBW 210	0	20S	0	15S	0	60S	5S	0	0	0	60S	10.0
242	HI 1620	0	0	0	0	0	40S	5S	TS	0	0	40S	4.6
243	PBW 758	0	20S	0	10S	0	60S	5S	0	0	0	60S	9.5

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
244	UP 2950	40S	60S	40S	30S	100S	80S	40S	10S	0	0	100S	40.0
245	HS 611	10S	0	0	0	0	20S	0	10S	0	0	20S	4.0
246	HI 1619	0	0	0	0	0	20S	0	0	0	0	20S	2.0
247	PBW 759	0	0	0	10S	0	40S	5S	0	0	0	40S	5.5
248	UAS 385	40S	60S	10MR	30S	80S	80S	40S	20MS	40S	10MR	80S	39.4
249	HD 3237	5S	0	0	0	0	TR	0	0	10S	TMR	10S	1.6
250	WH 1199	0	0	0	0	0	10S	0	0	0	TMR	10S	1.0
251	CG 1023	0	40S	0	30S	0	20S	5S	0	0	0	40S	9.5
252	DBW 211	0	5S	0	10S	0	40S	10S	0	0	0	40S	6.5
253	WH 1198	0	5S	0	0	0	20S	0	0	0	0	20S	2.5
254	HD 3238	0	40S	0	20S	0	20S	5S	5MS	0	0	40S	8.9
255	K 1515	0	40S	0	0	0	60S	5S	0	0	0	60S	10.5
256	MP 1319	60S	80S	60S	60S	20S	80S	60S	40S	0	5S	80S	46.5
257	MP 1317	60S	60S	40S	40S	80S	80S	40S	40S	5S	20S	80S	46.5
258	UAS 384	TMS	20S	0	20S	20S	40S	TS	10S	0	TMR	40S	11.2
NIVT - 5B													
259	GW 1333	80S	60S	10MS	20S	60S	80S	5S	80S	50S	60S	80S	50.3
260	HI 8789	TR	5MS	20MR	0	0	5S	0	TR	0	0	20MR	1.7
260. A	INFECTOR	80S	80S	80S	80S	80S	80S	40S	60S	50S	80S	80S	71.0
261	NIDW 1063	0	5MS	0	0	0	10S	0	TS	0	0	10S	1.5
262	MPO 1321	0	TS	0	0	0	0	0	0	0	0	TS	0.1
263	HI 8793	0	5MS	0	5 MR	0	0	0	0	0	0	5MS	0.6
264	HI 8792	0	10MS	0	0	0	20S	0	0	0	5MR	20S	3.0
265	GW 1335	20S	60S	0	0	0	0	0	0	30S	5S	60S	11.5
266	NIDW 1053	5S	0	0	0	0	20S	0	10S	0	0	20S	3.5
267	RKD 302	0	TS	0	0	0	TR	0	0	0	0	TS	0.1
268	UAS 462	0	5MS	0	0	0	40S	0	0	0	TMR	40S	4.4
269	MACS 4040	20S	40S	10MR	0	0	20S	TS	20S	0	5MR	40S	10.7
270	GW 1336	80S	80S	80S	80S	100S	80S	20S	80S	90S	100S	100S	79.0
271	MACS 4044	40S	60S	TR	5S	40S	40S	0	20S	10S	10MS	60S	22.3
272	GW 1334	80S	60S	40S	60S	100S	80S	0	80S	40S	80S	100S	62.0
273	DDW 41	TMR	0	0	0	0	0	0	5MR	0	0	5MR	0.2
274	HI 8790	0	0	0	0	0	0	0	0	0	0	0	0.0
275	UAS 463	0	0	0	0	0	0	0	0	0	5MR	5MR	0.2
276	HI 8627 (C)	5MR	TS	0	0	0	40S	0	10MR	0	TMR	40S	4.7
277	DDW 42	0	5MS	0	0	0	40S	0	0	0	5MR	40S*	4.6
278	MACS 4042	20S	40S	0	30S	0	60S	0	40S	0	0	60S	19.0
279	GW 1337	20S	40S	40MS	60S	80S	80S	0	40S	60S	60S	80S	47.2
280	RKD 306	0	TS	5MR	0	0	40S	0	0	0	0	40S	4.3
280. A	INFECTOR	80S	80S	80S	80S	60S	80S	60S	60S	40S	80S	80S	70.0
281	MPO 1322	0	5MS	0	0	0	TR	20S	0	30S	5MR	30S	5.6
282	HI 8791	0	5MS	0	0	0	0	TS	0	0	0	5MS	0.5
IVT													
I. NORTHERN HILL ZONE													
283	HPW 425	0	5S	0	0	0	0	TS		0	0	5S	0.7
284	VL 2022	0	5S	0	20S	0	0	TS	0	0	0	20S	2.6
285	VL 2019	0	40S	0	20S	0	20S	5S	0	0	0	40S	8.5
286	HPW 431	0	5S	0	20S	0	20S	TS	0	0	0	20S	4.6
287	HPW 430	0	5S	0	0	0	20S	TS	0	0	0	20S	2.6
288	UP 2953	0	60S	0	30S	0	80S	10S	0	0	0	80S	18.0
289	VL 2024	0	0	0	10S	0	40S	TS	0	0	0	40S	5.1
290	VL 2023	0	TS	0	0	0	TR	5S	0	0	0	5S	0.6
291	HPW 427	0	0	0	0	0	40S	TS	0	0	0	40S*	4.1
292	HS 616	0	0	5MR	10S	0	20S	0	0	0	0	20S	3.2
293	HS 612	0	20S	0	10S	0	20S	TS	0	0	0	20S	5.1

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

		Jammu	Ludhiana	Delhi	Bajaura	Dhaulakuan	Gurdaspur	Malan	Karnal	Pantnagar	Durgapura	HS	ACI
294	HPW 429	0	10S	0	0	0	20S	TS	0	0	0	20S	3.1
295	HPW 426	5S	0	0	0	0	20S	0	20S	0	0	20S	4.5
296	UP 2952	0	20MS	0	15S	0	40S	TS	0	0	0	40S	7.2
297	HS 615	20S	0	0	0	0	20S	0	0	0	0	20S	4.0
298	HPW 428	40S	0	0	0	0	40S	TS	0	0	0	40S	8.1
299	HS 613	0	5S	0	10S	0	40S	10S	0	60S	0	60S	12.5
300	HS 614	0	5S	0	0	5S	20S	TS	0	0	0	20S	3.1
300. A	INFECTOR	80S	80S	80S	80S	80S	80S	40S	60S	60S	80S	80S	72.0
301	HS 617	0	5S	0	10S	0	40S	5S	0	0	0	40S	6.0
302	VL 907(C)	0	10MS	0	15S	0	20S	5S	0	10S	0	20S	5.8
303	VL 2020	0	0	0	0	0	20S	TS	0	0	0	20S	2.1
304	VL 2021	0	0	0	0	0	0	TS	0	0	0	TS	0.1
305	HS 618	0	0	0	0	0	20S	0	0	0	0	20S	2.0
II. SOUTHERN HILLS ZONE													
306	HS 621	0	5MR	0	0	0	40S	0	0	0	0	40S*	4.2
307	UAS 386	40S	80S	60S	80S	20S	80S	40S	20MS	30S	20S	80S	46.6
308	HW 1909	60S	60S	20MR	80S	0	80S	60S	10MS	0	20S	80S	37.6
309	HW 3658-4	60S	60S	10MR	60S	20S	80S	40S	40S	30S	20MS	80S	41.0
310	HW 1924	60S	60S	60S	80S	100S	80S	60S	20S	30S	5MS	100S	55.4
311	HW 5253	60S	40S	30S	60S	80S	40S	40S	10MS	30S	10S	80S	39.8
312	HW 5252	60S	60S	20MR	30S	80S	80S	40S	60S	30S	30S	80S	47.8
313	HW 3658-3	60S	60S	10MS	30S	80S	80S	30S	40S	60S	20S	80S	46.8
314	HW 1908-1	60S	60S	20S	30S	60S	80S	40S	40S	60S	15MS	80S	46.2
315	UAS 387	0	0	5MR	0	0	40S	5S	0	0	5S	40S	5.2
316	NIAW 2891	20S	60S	20MR	15S	60S	80S	5S	10S	0	20S	80S	27.8
317	HW 5249	40S	40S	10MS	60S	0	80S	60S	0	40S	5MR	80S	33.0
318	HW 1908	20S	40S	0	20S	0	60S	20S	0	0	10MR	60S	16.4
319	HS 619	0	0	TR	0	0	10S	20S	0	0	0	20S	3.0
320	MACS 6686	0	0	TR	0	0	20S	0	0	0	0	20S	2.0
321	HS 620	0	5S	0	0	10S	40S	20S	0	TR	0	40S	7.5
321. A	INFECTOR	80S	80S	80S	80S	60S	80S	60S	60S	50S	80S	80S	71.0