

Table 1: Race specific adult plant rust resistance (APR) of AVT entries at ICAR-IIWBR, RS, Shimla during 2023-24

S. No.	Variety/ line	APR Response								
		Yellow rust			Brown rust			Black rust		
		238S119	110S119	46S119	77-5	77-9	104-2	11	40A	117-6
1.	HD3086 (C)	5MS	5S	10S	5R	60S	10S	60S	30S	20S
2.	HI1668*	20MS	5S	20S	0R	10MR	0R	20MR	0R	0R
3.	HD3494	0R	0R	0R	0R	10MS	0R	20MS	0R	0R
4.	DBW417	20MS	5S	20S	0R	5MR	0R	20S	20MS	10MS
5.	DBW88 (C)	40S	NG	60S	0R	5R	0R	10MR	0R	0R
6.	PBW957	0R	0R	0R	5R	10MR	5S	10MS	0R	0R
7.	DBW222(C)*	TR	0R	5MS	0R	0R	0R	5MS	0R	0R
8.	DBW477	0R	0R	0R	0R	10S	0R	10MS	0R	5MS
9.	HD3471	0R	5MS	5MS	0R	5MR	0R	0R	0R	0R
10.	PBW916	0R	0R	0R	0R	5S	5S	30S	5MS	0R
11.	DBW386*	5R	10S	5S	0R	20S	5S	0R	0R	0R
12.	PBW826 (C)	10MR	5S	TS	0R	40S	5MS	0R	0R	0R
13.	DBW476	0R	0R	0R	0R	0R	0R	0R	0R	0R
14.	HD2967	60S	30S	10MS	0R	30S	TS	20MS	0R	TMR
15.	PBW725	0R	0R	NG	0R	10MS	0R	10MS	0R	0R
16.	HD3386 (I)(C)	20S	5S	10S	0R	20MS	0R	20MS	0R	0R
17.	PBW958	0R	0R	0R	0R	20MS	TS	30S	10MS	0R
18.	HD3455	NG	0R	0R	10R	0R	5S	10MS	5MS	0R
19.	HD3059 (C)	1P20S	20S	20S	5R	20S	TS	20MS	10MS	5MS
20.	JKW261 (C)	30S	20S	20S	0R	0R	0R	40S	0R	10MS
21.	NW8071	5S	20S	10S	0R	10MR	0R	10MS	0R	0R
22.	DBW173 (C)	10MS	10S	10S	5R	30MR	0R	10MS	0R	0R
23.	WH1324	NG	NG	NG	0R	0R	0R	20MS	0R	0R
24.	DBW422	10MS	5S	10S	20R	0R	0R	30S	0R	10MS
25.	RAJ4581	5MR	0R	TMS	5R	5MR	0R	20S	0R	0R
26.	HD3428	0R	5S	5MS	0R	0R	0R	10MS	0R	0R
27.	HD3495	0R	0R	0R	0R	20S	0R	20MS	0R	0R
28.	PBW771 (C)	10S	5S	0R	0R	0R	0R	20S	0R	0R
29.	PBW921	0R	0R	0R	0R	0R	0R	20MS	0R	0R
30.	PBW644 (C)	20S	10S	30S	10R	5MS	0R	20MS	0R	0R
31.	HI1653 (C)	20MS	10S	10S	TS	SMS	0R	10MS	0R	0R
32.	PBW927	0R	0R	0R	0R	0R	5S	0R	0R	0R
33.	HD3369	5S	TS	0R	0R	10MR	0R	0R	0R	10MS
34.	HD3468	20S	TR	5MS	0R	20MS	0R	0R	0R	5MS
35.	NIAW3170 (C)	NG	20MS	TR	0R	30MR	0R	0R	TMS	5MS
36.	WH1326	20S	10S	NG	0R	30MS	0R	30S	0R	5MR
37.	DBW296	0R	0R	0R	0R	10R	5R	20MS	0R	10S
38.	JKW304	0R	0R	0R	0R	5S	0R	40S	TMR	0R
39.	WH1402 (I)(C)	NG	0R	NG	5R	0R	0R	10MS	TMR	0R
40.	PBW908	0R	0R	0R	0R	5R	10R	40S	TMS	5MS
41.	HP1978	0R	5MR	0R	5R	0R	0R	0R	0R	0R
42.	HD3447	TR	TS	0R	10R	5R	0R	0R	TMR	0R
43.	PBW915	0R	0R	0R	5R	0R	0R	30S	TMS	20MS
44.	HD3388(I) (C)	5S	TS	0R	20R	0R	0R	20MS	0R	0R
45.	UP3124	10S	0R	5S	5MR	0R	0R	10MS	0R	NG
46.	KRL2106	5S	5MR	5R	5R	0R	0R	20MS	5MS	0R
47.	HD3249 (C)	5MS	10MS	TMS	0R	5R	0R	20MS	TMR	0R
48.	PBW913	0R	0R	0R	0R	0R	0R	20MS	0R	0R
49.	HD3467	0R	0R	0R	5R	0R	0R	30S	20MS	0R
50.	BCW29	0R	20S	0R	0R	20S	0R	20MS	20MS	0R
51.	UP3123	20MS	10MR	TMR	5R	5R	0R	30S	0R	0R

52.	HI1563 (C)	60S	40S	60S	10R	0R	0R	20MS	0R	0R
53.	DBW107 (C)*	20MS	5MS	20S	0R	30S	10S	60S	20MS	10MS
54.	PBW833 (C)	5S	10S	5S	10R	0R	10S	60S	20MS	10MS
55.	WH1323	NG	20MS	5S	5R	0R	0R	40M	0R	0R
56.	HD3118 (C)	0R	5MS	5S	0R	60S	0R	30MS	0R	0R
57.	HI1621 (C)	20S	0R	0R	0R	20S	0R	30MS	0R	10MS
58.	HD3171 (C)	40S	20S	5S	0R	0R	0R	40S	10MS	0R
59.	HD3460	60S	30S	10S	0R	5MR	0R	40MS	10MS	0R
60.	HD3293 (C)	20MS	5S	0R	0R	30S	5S	30MS	5MS	0R
61.	HI1612 (C)	TS	5MS	0R	0R	0R	0R	30S	10MS	20MS
62.	K1317(C)*	0R 1P10S	0R	0R	0R	5S	0R	20MR	10MS	0R
63.	VL2041 (C)	10S	10S	10S	5R	5S	0R	10MS	0R	0R
64.	HPW349 (C)	10S	0R	0R	5R	0R	0R	30MS	5MS	20S
65.	VL2059	0R	0R	0R	0R	0R	0R	0R	0R	0R
66.	HS562 (C)	0R	5S	0R	5R	5S	0R	20MS	20MS	20S
67.	VL907 (C)	0R	5S	5S	0R	0R	0R	0R	0R	0R
68.	MACS6837	40S	20S	20S	0R	0R	0R	20MS	10MS	0R
69.	MACS4125 (d)	40MS	20MS	20MS	0R	0R	10R	20MS	0R	TMS
70.	MACS4135 (d)	60MS	20MS	10S	5R	5R	20MR	0R	0R	TMS
71.	HI1669	NG	60S	40S	0R	0R	0R	0R	0R	0R
72.	HI1683	NG	60S	40S	10R	5R	0R	0R	0R	0R
73.	HI1684	10S	40S	NG	5R	5R	0R	0R	0R	TMS
74.	HI8848 (d)	NG	20MS	5MR	20MS	5R	30MR	0R	0R	5MS
75.	HI8849 (d)	20S	20MS	5S	0R	0R	0R	0R	TMS	0R
76.	HI8850 (d)	40MS	40MS	10MS	0R	0R	0R	0R	0R	5MS
77.	GW554	80S	80S	60S	0R	20S	0R	0R	0R	0R
78.	GW555	80S	60S	40S	0R	10R	0R	0R	0R	0R
79.	MP3570	40S	20S	60S	5R	10MS	TMS	0R	0R	0R
80.	MPO1395	40MR	0R	0R	5R	10R	0R	5MR	0R	0R
81.	GW322	60S	40S	20S	5R	0R	0R	20MS	0R	0R
82.	MACS6768	80S	80S	40S	5R	0R	0R	0R	0R	0R
83.	HI1650	30MS	10MS	10S	NG	5MR	0R	0R	0R	0R
84.	GW547 (I)	20MR	10S	10S	5R	5MR	0R	0R	0R	0R
85.	HI8737 (d)	40MR	40MR	40MS	5R	5R	10MR	20MS	TMR	10MS
86.	HI8713 (d)	40S	20MS	30MS	0R	0R	0R	20MR	0R	5MS
87.	HI1674	60S	40S	10S	0R	0R	0R	5MR	TMS	0R
88.	HI1687	80S	40S	20S	0R	0R	0R	0R	0R	0R
89.	WSM138	20S	20S	40S	0R	0R	0R	0R	0R	0R
90.	MACS6830	20S	40S	20S	NG	0R	0R	0R	0R	0R
91.	DBW425	5S	10S	5S	0R	10S	0R	40MR	0R	10S
92.	GW556	80S	80S	5S	NG	0R	0R	0R	0R	0R
93.	HD2932*	80S	60S	TS	10S	60S	5S	40MR	0R	0R
94.	MP4010*	80S	60S	10S	0R	30MS	20S	30MS	0R	0R
95.	HI1634	80S	60S	TR	0R	0R	0R	20MS	0R	0R
96.	CG1029	80S	80S	20S	0R	0R	0R	20MR	0R	0R
97.	DBW441M	40S	10S	10S	10R	5R	0R	20MS	0R	0R
98.	DBW428	5R	0R	0R	0R	0R	0R	20S	10MR	0R
99.	DBW432	5R	TR	0R	0R	5MR	0R	40S	0R	5MR
100.	UAS3029	0R	5S	0R	5R	5S	0R	20MS	0R	0R
101.	UAS484 (d)	10MR	0R	5MR	5R	TS	10MR	20MS	0R	5MS
102.	NIAW4267	20S	20S	10S	5R	0R	0R	0R	0R	0R
103.	HI8851 (d)	20MR	5S	0R	5R	0R	10MR	0R	10MS	5MS
104.	HI8852 (d)	20MS	0R	0R	10R	5MR	20MR	0R	0R	5MR
105.	MACS4131(d)	10MS	0R	5S	5R	5R	10R	10MS	0R	10MS
106.	MPO1398 (d)	60MS	20MS	TS	10MR	0R	0R	0R	0R	5MS
107.	DBW110	30S	20S	5S	10R	5MR	0R	20MS	0R	0R
108.	CG1036	40S	60S	NG	0R	0R	0R	0R	0R	0R

109.	HI1655*	20MS	20MR	NG	0R	0R	0R	10MS	0R	0R
110.	HI8627 (d)	20MS	5S	0R	0R	0R	0R	20MR	0R	10MS
111.	HI8823 (d)	10S	10S	10MS	0R	0R	0R	20MR	0R	10MS
112.	DBW359 (I)*	5S	0R	5S	0R	10R	0R	20MR	0R	10S
113.	CG1040 (I)	40S	20S	10S	0R	60S	0R	30MS	0R	0R
114.	MACS6842	20MS	20S	10S	0R	5MR	0R	40MS	0R	0R
115.	MACS6844	40S	60S	20S	0R	10S	0R	60MS	0R	0R
116.	NIAW4364	30S	20S	0R	0R	0R	0R	60MS	10MS	0R
117.	PBW891	10S	20S	TS	0R	10MS	0R	TMS	0R	0R
118.	DBW443*	TMS	5MS	0R	0R	5S	0R	0R	0R	0R
119.	DDW62(d)	5S	10R	0R	0R	0R	0R	0R	0R	5MS
120.	AKAW5100*	10S	20S	20S	0R	0R	0R	0R	0R	0R
121.	WH1306	TMS	NG	TR	0R	0R	0R	NG	NG	10MS
122.	NWS2222	40S	10S	20S	0R	0R	0R	20MS	0R	0R
123.	UAS3026	60S	10S	60S	5R	30S	0R	5MS	0R	5MS
124.	CG1045	10R	10S	10S	0R	20S	0R	40S	0R	5MR
125.	MPO1395 (d)	40MR	0R	TMS	0R	5MR	5R	0R	0R	10MS
126.	MACS6222	10S	10S	20S	0R	0R	0R	0R	0R	0R
127.	MP1378 (I)	30S	10S	30S	0R	0R	0R	0R	0R	0R
128.	MACS3949 (d)	10R	10MR	5MR	0R	0R	5R	0R	0R	0R
129.	DBW426	10MR	10S	20MS	5R	0R	0R	30S	5MS	0R
130.	MACS6829	40S	20S	40S	0R	0R	0R	0R	0R	0R
131.	NIAW4114*	60S	60S	80S	0R	0R	0R	0R	0R	0R
132.	NIAW4120	80S	80S	60S	0R	0R	0R	0R	0R	0R
133.	NIAW4432	20S	20MS	10S	0R	0R	0R	20MS	0R	0R
134.	UAS3027	60S	30S	30S	10MS	0R	0R	30S	0R	0R
135.	LOK79	40S	20S	40S	10R	0R	0R	20MR	0R	0R
136.	RAJ4083 (C)	10R	10MS	40S	5R	0R	0R	20MS	5MS	0R
137.	HD3090 (C)	60S	60S	60S	0R	5MR	0R	20M	0R	0R
138.	HI1633 (C)	40S	40S	30S	0R	0R	0R	10MR	0R	0R
139.	CG1047	60S	40S	40S	10MS	20MS	5R	60S	0R	10MS
140.	GW1368(d)	60S	40S	60S	0R	20MS	10S	20MR	0R	0R
141.	HI1605	30S	30S	40S	5R	20S	10MS	20MS	0R	0R
142.	NIAW3170	20MR	30S	0R	5R	0R	5S	30MS	5MS	20MS
143.	UAS446(d)	20MR	0R	20MR	0R	0R	20MR	60S	0R	10MS
144.	NIDW1149 (d)	0R	0R	10MR	0R	0R	5R	0R	0R	0R
145.	HI1665 (I)	80S	20S	NG	0R	0R	0R	0R	0R	0R
146.	UAS478 (d)(I)	40MR	20MS	10MR	0R	0R	0R	0R	0R	10MS
* Different seed lot to that of previous cropping season, NG-not germinated,										