

APR - Leaf Rust (Race Specific) - 2012-13						
Sr. No.	Variety	77-5		104-2		
		Ludhiana	Delhi	Ludhiana	Delhi	Powarkheda
AVT IInd year						
I. NORTHERN HILL ZONE						
1	HS 536	0	TR	0	TR	5MR
2	HS 542	0	TR	0	0	TR
3	HPW 251 (C)	0	TS	0	TR	20S
4	HPW 349 (I) (C)	0	0	0	5MR	15MS
5	HS 277 (C)	0	5MR	0	0	0
6	HS 490 (C)	0	TMR	0	0	10MS
7	HS 507 (C)	0	TR	0	TR	0
8	VL 804 (C)	0	TR	0	30MS	0
9	VL 829 (C)	0	TR	0	TR	10MS
10	VL 892 (C)	0	TMR	0	0	20S
11	VL 907 (C)	0	TR	0	TR	0
II. NORTH WESTERN PLAIN ZONE						
12	DBW 74	0	TR	0	TR	20MS
13	DBW 88	0	TR	0	5MR	0
14	DBW 90	0	20S	0	20MS	10MS
15	HD 3070	5S	5MR	0	30MS	10MS
16	HD 3086	0	0	0	10MS	0
17	HD 3091	0	TS	0	TS	0
18	HI 8728	0	10MR	0	0	10S
19	PBW 660	0	TR	0	TR	10MS
20	PBW 674	0	TR	0	TR	20MS
20. A	INFECTOR	40S	70S	40S	80S	60S
21	PBW 675	0	TR	0	TR	15MS
22	WH 1098	0	TR	0	TR	10S
23	WH 1124	0	TMR	0	0	0
24	WH 1126	0	TMR	0	TR	20MS
25	WH 1127	0	TR	0	TR	10MS
26	C 306 (C)	20S	40S	40S	30S	30MS
27	DBW 17 (C)	0	10MR	0	0	15MS
28	DBW 71 (I) (C)	0	TR	0	10MR	0
29	DPW 621-50 (C)	0	TR	0	TR	20MS
30	HD 2967 (C)	0	TR	0	0	10S
31	HD 3043 (C)	0	TR	0	TR	0
32	HD 3059 (I) (C)	0	TMR	0	TR	15MS
33	PBW 175 (C)	5S	40S	0	0	10MR
34	PBW 373 (C)	0	40S	0	0	10S
35	PBW 590 (C)	0	TR	0	TR	0
36	PBW 644 (C)	0	0	0	TR	0
37	PDW 291 (C)	0	10MR	0	10MR	TR
38	PDW 314 (C)	0	5MR	0	0	TR
39	WH 1021 (C)	0	TR	0	TR	0
40	WH 1080 (C)	0	TMR	0	TR	0
40. A	INFECTOR	60S	70S	60S	90S	80S
41	WH 1105 (I) (C)	0	10MS	0	TMR	15S
III. NORTH EASTERN PLAIN ZONE						

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		Ludhiana	Delhi	Ludhiana	Delhi	Powarkheda
42	HD 3076	0	10MR	0	5MR	0
43	K 1006	0	TMR	5S	10MR	10MS
44	NW 5054	0	10MR	0	30MR	0
45	PBW 661	0	TR	0	TR	10MS
46	Raj 4250	0	TR	0	TR	30MS
47	WH 1120	0	TR	0	5MR	0
48	DBW 14 (C)	0	5MR	0	TR	0
49	DBW 39 (C)	0	TR	0	TR	10S
50	HD 2733 (C)	0	30MS	0	10MR	20MS
51	HD 2888 (C)	0	TR	0	0	10MS
52	HD 2985 (C)	0	40S	0	0	10S
53	HI 1563 (C)	0	TMR	0	TR	20S
54	K 0307 (C)	0	5MR	0	0	0
55	K 8027 (C)	0	40S	5S	60S	10S
56	NW 2036 (C)	0	TR	0	50S	20S
57	RAJ 4229 (I) (C)	0	TR	0	TR	15S
IV. CENTRAL ZONE						
58	HD 3095	0	TR	0	TR	0
59	HI 8724 (d)	0	0	0	0	10S
60	HI 8725 (d)	0	0	0	0	0
60. A	INFECTOR	40S	70S	60S	70S	60S
61	HI 8727 (d)	0	TR	0	0	50MS
62	HI 8731 (d)	5S	10MR	0	20MR	20S
63	MPO 1255 (d)	0	0	0	10MR	0
64	A 9-30-1 (C)	0	80S	0	90S	10S
65	GW 322 (C)	0	5MR	0	TR	20S
66	HD 2864 (C)	0	TR	0	NG	10MR
67	HI 1500 (C)	0	TR	0	TR	0
68	HI 1544 (C)	0	0	0	TR	0
69	HI 8498 (d) (C)	0	0	0	0	5MR
70	HI 8627 (C)	0	0	0	20MR	10S
71	HI 8713 (d) (I) (C)	0	0	0	0	0
72	MP 3288 (C)	0	0	0	TR	0
73	MP 3336 (I) (C)	0	5MR	0	5MR	TR
74	MP 4010 (C)	0	TR	0	TMR	15MS
75	MPO 1215 (d) (C)	0	0	0	0	0
76	RAJ 4238 (I) (C)	0	TR	0	0	0
V. PENINSULAR ZONE						
77	DBW 93	0	10MR	0	TMR	30S
78	GW 432	0	10MR	0	5MR	0
79	HD 3090	0	TMR	0	0	15MS
80	HD 3093	0	TR	0	TR	20S
80. A	INFECTOR	60S	90S	60S	80S	80S
81	MACS 6478	0	TR	0	TR	10MR
82	UAS 334	0	20S	0	0	20MS
83	AKDW 2997-16(d) (C)	0	10MR	0	10MR	20S
84	HD 2932 (C)	0	10S	0	10MR	15MS
85	MACS 6222 (C)	0	TR	5S	0	0

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		Ludhiana	Delhi	Ludhiana	Delhi	Powarkheda
86	NI 5439 (C)	0	60S	0	60S	30S
87	NIAW 1415 (C)	0	TR	0	TR	0
88	NIAW 34 (C)	0	TR	0	0	0
89	NIDW 295 (d) (C)	0	0	0	0	10S
90	Raj 4083 (C)	0	0	0	TR	20MS
91	UAS 428 (d) (C)	0	5MR	0	10MR	30S
92	WHD 948 (d) (I) (C)	0	TR	0	TMS	20S
VI. SOUTHERN HILLS ZONE						
93	HW 5224	0	5MR	0	TR	0
94	CoW(W) 1 (C)	0	TR	0	0	30S
95	HW 2044 (C)	0	0	0	0	20MS
96	HW 5216 (I) (C)	0	TMR	0	TMR	25MS
VII. SPECIAL TRIAL						
97	DDK 1029 (C)	0	0	0	0	30S
98	Kharchia 65 (C)	0	80S	0	90S	30S
99	KRL 210 (C)	0	20MR	0	0	20S
100	MACS 2496 (C)	0	40S	0	60S	25MS
101	MACS 2971 (C)	0	0	0	0	0
101. A	INFECTOR	40S	80S	40S	80S	70S
AVT Ist Year						
I. NORTHERN HILL ZONE						
1	HPW 376	0	0	0	0	0
2	HPW 380	0	TR	0	20MR	10S
3	HPW 381	0	TR	0	TR	TR
4	HPW 387	0	TR	0	0	30S
5	HPW 388	0	TR	0	TR	0
6	HPW 397	0	TMR	0	TR	0
7	HPW 398	0	TR	0	TR	0
8	HPW 399	0	10MS	0	TMR	TR
9	HS 557	0	0	0	TR	20S
10	HS 574	0	0	0	TR	10MS
11	HS 575	0	0	0	30MR	0
12	HS 576	0	TR	0	TR	10S
13	HS 577	0	TR	0	10MR	10MS
14	HS 578	0	0	0	TR	20S
15	UP 2871	0	0	0	TR	0
16	UP 2872	0	TR	0	TMR	5MR
17	VL 1001	0	0	0	0	10S
18	VL 1002	0	0	0	0	TR
19	VL 3001	0	5MR	0	TR	0
20	VL 3002	0	TR	0	0	20MS
20. A	INFECTOR	60S	80S	60S	80S	80S
21	VL 3003	0	TMS	0	TR	30MS
22	VL 967	0	TR	0	TR	0
II. NORTH WESTERN PLAIN ZONE						
23	DBW 101	0	TR	0	TMR	0
24	DBW 102	0	5MR	0	0	10S
25	DBW 110	0	TR	0	TR	15MS

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		Ludhiana	Delhi	Ludhiana	Delhi	Powarkheda
26	HD 3109	0	5MR	0	TR	10MS
27	HD 3117	0	TR	0	TR	0
28	HD 3119	0	TR	0	TR	0
29	HD 3120	0	40S	0	TR	15MS
30	HD 3121	0	TMR	0	TMR	10MS
31	HD 3122	0	TR	0	10MS	20S
32	HD 3123	0	TMR	0	0	15S
33	HI 8735	0	0	0	30MR	20MS
34	HI 8736 (d)	5S	10MR	0	20MR	20MS
35	HI 8738	0	0	0	10MR	10S
36	HI 8739	0	0	0	0	10MS
37	HUW 662	0	TR	0	5MR	0
38	HUW 664	0	40S	0	0	0
39	HUW 666	0	TMR	0	TR	0
40	HUW 668	0	TR	0	TR	10MS
40. A	INFECTOR	60S	80S	60S	90S	80S
41	HUW 669	0	TMS	0	5MR	0
42	JAUW 598	0	0	0	0	20S
43	K 1114	0	10MR	0	TMR	5MS
44	MACS 3929	0	5MR	0	20MR	TR
45	MP 3392	0	TR	0	0	15S
46	NIAW 1951	0	TMR	0	5MR	0
47	NIDW 706	0	5MR	0	20MR	0
48	PBW 681	0	10MR	0	10MR	15MS
49	PBW 683	0	TR	0	30MR	10MS
50	PBW 689	0	TR	0	TR	0
51	UP 2841	0	0	0	TR	15MS
52	UP 2843	0	TMR	0	5MR	TR
53	UP 2847	0	0	0	0	0
54	UP 2848	0	TR	0	0	10MS
55	UPD 94	0	0	0	0	15S
56	WH 1128	0	TR	0	TR	0
57	WH 1129	0	TR	0	0	10MS
58	WH 1130	0	TR	0	0	15MS
59	WH 1138	5S	TR	5S	5MR	20S
60	WH 1139	0	TMR	0	TR	0
60. A	INFECTOR	60S	70S	0	80S	80S
61	WH 1142	40S	10MR	5S	40MS	20S
III. NORTH EASTERN PLAIN ZONE						
62	BRW 3723	0	TR	0	TR	15MS
63	DBW 107	0	TMR	0	10MR	15MS
64	HD 3110	0	40S	0	TR	20S
65	HD 3111	0	0	0	0	10MR
66	HD 3118	0	TR	0	TR	10MR
67	HUW 667	0	TMR	0	TR	0
68	K1105	0	TR	0	TR	15S
69	NW 5064	0	20MS	0	TR	15S
70	PBW 688	0	TMR	0	TR	20S

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71	UAS 347	0	10MR	0	0	20S
72	UP 2844	0	TR	0	TR	10S
73	WH 1136	0	TMR	0	TMR	20S
74	WH 1137	0	0	0	0	5S
IV. CENTRAL ZONE						
75	DDW 23	0	TR	0	0	0
76	GW 1292 (d)	0	20MR	0	20MR	15S
77	GW 440	0	TMR	0	TR	10S
78	HD 3114	0	20S	0	30MR	0
79	HI 1588 ^Q	0	TR	0	TR	TR
80	HI 8737 (d)	0	0	0	0	10S
80. A	INFECTOR	60S	80S	0	70S	60S
81	HI 8742 (d)	0	TR	0	0	0
82	K 1116	0	5MR	0	TR	15MS
83	MACS 3915 (d)	40S	10MR	5S	40MSS	5MR
84	MACS 6568	60S	30S	0	40S	20MS
85	MP 3379	0	5MR	0	0	20MS
86	MP 3382	0	TMR	0	10MR	10S
87	NIAW 1885	0	TR	0	TR	20MS
88	Raj 4295	0	TR	0	TR	10S
89	UAS 348	0	0	0	TR	10S
90	UAS 446 (d)	0	10MR	0	20MR	10MS
V. PENINSULAR ZONE						
91	GW 446	0	5MS	0	0	0
92	HD 3116	0	5MR	0	5MR	20MS
93	MACS 6583	0	TR	0	TR	10MR
94	MP 1270 ^Q	0	TR	0	TR	10MR
95	NIAW 1994	0	TMR	0	TMR	20S
96	NIDW 699(d)	0	0	0	0	15MS
97	UAS 342	0	TR	0	0	0
98	UAS 447(d)	0	TMR	0	0	20S
99	UP 2845	0	5MR	0	TR	30S
VI. SOUTHERN HILLS ZONE						
100	HW 1900	0	TR	0	TR	10S
100. A	INFECTOR	60S	70S	60S	80S	80S
101	HW 4013	0	0	0	TR	TR
102	HW 4042	0	0	0	1PTR	TR
103	HW 5235	0	TR	0	TR	5MS
104	HW 5237	0	TR	0	TR	15MS
VII. SPECIAL TRIAL						
105	DBW 131	0	10MR	0	TR	25MS
106	DDK 1042	0	0	0	0	0
107	DDK 1044	0	0	0	0MR	10MS
108	DDK 1045	0	0	0	0	10MS
109	HW 1099	0	0	0	TR	20S
110	KLP 1006	0	10MR	0	TR	5MS
111	KRL 330	0	TMR	0	TR	20S
112	KRL 345	0	10MR	0	TR	20S

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		Ludhiana	Delhi	Ludhiana	Delhi	Powarkheda
113	KRL 346	0	TR	0	TR	40S
114	KRL 347	0	TMR	0	TR	40S
115	KRL 348	0	0	0	0	10MS
116	MACS 5022	0	TR	0	TR	TR
117	MACS 5031	0	0	0	0	20S
118	MACS 5032	0	0	0	TR	15MS
119	RAJ 4324	0	TMS	0	TR	0
120	WH 1145	0	TR	0	0	20S
120. A	INFECTOR	40S	80S	60S	80S	80S