

IPPSN 2022-23

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
	ARS, Niphad										
1	NIAW 4471	6.2	20MS	12.1	40S	21.4	40S	47.5	80S	46	78
2	NIAW 4493	4.5	15MS	12.6	40S	18.7	40S	52.5	80S	57	89
3	NIAW 4497	3.9	10MS	14.8	40S	11.7	40S	47.5	60S	57	99
4	NIAW 4511	1.3	10S	3.0	15MS	14.0	40S	40.0	60S	57	99
5	NIAW 4513	5.6	15MS	4.5	20MS	17.6	60S	46.5	60S	57	89
6	NIAW 4516	4.8	15MS	5.8	10S	13.2	40S	50.5	80S	57	89
7	NIAW 4522	6.9	20S	12.8	40S	14.3	40S	37.3	80S	57	99
8	NIAW 4528	5.0	40MR	5.0	10S	1.7	5S	38.4	60S	57	78
9	NIAW 4533	3.0	10MS	0.5	5MR	4.7	20S	28.4	60S	46	79
10	NIAW 4542	8.3	20S	13.6	30S	15.0	40S	15.5	40MS	46	78
11	NIAW 4546	4.8	20S	6.8	20S	3.1	20S	67.5	80S	57	89
12	NIAW 4547	11.3	20S	12.4	40S	5.0	30S	62.5	80S	58	89
13	NIAW 4559	4.3	20MS	13.0	40S	10.4	60S*	48.3	80S	57	89
14	NIAW 4578	6.8	20S	5.9	20MS	2.0	20MR	35.8	80S	57	89
15	NIAW 4579	4.0	15MS	2.5	20MS	1.2	20MR	35.0	80S	57	99
16	NIAW 4580	4.9	20S	1.8	20MR	14.0	80S	25.5	60S	56	99
17	NIAW 4581	2.5	10MS	2.3	10MS	3.1	20S	20.1	40S	56	99
18	NIAW 4588	6.3	20MS	9.9	30S	18.3	60S	20.1	80S	57	99
19	NIAW 4589	9.4	40MS	10.5	40S	16.0	60S	55.0	60S	45	79
20	NIAW 4601	5.6	10S	14.3	40S	10.9	40S	35.6	60S	67	99
20A	Infector	72.5	100S	75.0	80S	78.6	100S	80.0	80S	78	99
21	NIAW 4612	4.0	10S	6.3	20MS	10.4	60S*	7.3	20S	57	78
22	NIAW 4621	2.4	10MS	3.3	10S	5.6	20MS	7.6	20S	57	99
23	NIAW 4624	2.1	10MS	2.3	10S	0.9	5MS	22.5	40S	67	99
24	NIAW 4628	3.9	10S	6.2	20MS	13.9	80S	18.8	40S	57	89
25	NIAW 4643	8.1	20S	8.0	20S	9.6	40S	8.4	20S	68	99
26	NIDW 1542	5.8	20S	1.8	10S	0.9	5MR	0.3	5MR	57	99
27	NIDW 1555	33.0	60S	7.7	40S	1.1	5MS	1.1	5S	57	89
28	NIDW 1556	10.5	20S	2.8	10S	2.9	20S	1.5	5S	57	78
29	NIDW 1557	9.0	20S	3.0	20MS	0.7	10MR	2.3	10S	57	78
30	NIDW 1561	9.3	20S	5.0	40S	5.7	40S	3.8	20S	57	79
	JNKVV, Sagar										
31	JWS-1344	5.5	20S	6.1	20S	11.5	40S	32.3	60S	57	79
32	JWS-1521	6.6	20S	8.1	40S	4.7	20S	59.0	80S	57	89
33	JWS-1528	7.9	20MS	5.5	20MS	7.7	40S	35.0	60S	57	99
34	JWS-1532	18.6	40S	23.0	40S	6.3	20S	77.5	80S	67	99
35	JWS-1553	26.5	60S	25.8	60S	30.0	60S	42.0	60S	57	99
36	JWS-1555	11.0	20S	12.6	40S	13.3	40S	44.0	60S	46	78
37	JWS-1572	1.9	20MR	4.0	10S	10.9	40S	46.5	60S	46	89
38	JWS-1013	5.6	20S	8.0	20MS	13.3	40S	33.8	60S	46	78
39	JWS-1644	13.5	40S	15.5	40S	24.9	60S	41.9	60S	57	89
40	JWS-1613	2.1	10MS	0.7	5S	0.6	5MS	29.3	60S	58	89
40A	Infector	72.5	100S	75.0	80S	78.6	100S	77.5	80S	78	99
41	JWS-1027	6.2	20S	32.6	80S	28.9	60S	50.0	60S	56	99
	VNMKV, Parbhani										
42	PBN 0257	8.5	20S	6.9	20S	5.7	40S	1.7	10MS	56	99
43	PBN 1726	5.5	20MS	10.3	20S	23.7	60S	49.5	60S	46	99
44	PBN 1729	6.4	20S	21.6	40S	29.3	60S	44.0	60S	46	78
45	PBN 1738	6.8	20S	4.8	20S	3.4	30MS	18.2	40S	56	78
46	PBN 1760	9.8	20S	13.5	40S	6.4	40S	72.5	100S	46	89
47	PBN 1764	14.3	20S	16.3	60S	2.9	10S	75.0	100S	56	99
48	PBN 1782	4.0	10MS	3.4	20S	2.7	20MS	24.4	40S	57	99
49	PBN 1839	7.0	20S	6.2	20S	20.0	60S	5.9	20S	46	57
50	PBN 1841	8.0	20S	1.8	10MS	2.6	20MS	5.4	10MS	57	99
51	PBN 2115	1.3	10MS	0.8	5MS	0.6	10MR	10.5	40MS	47	78
	ARS, Kota										
52	RKD 416-1	18.5	40S	3.4	10S	2.3	20MS	3.4	10S	47	78
53	RKD 416-2	23.0	60S	6.3	20S	5.9	30S	6.0	10S	58	89
54	RKD 418-1	18.0	40S	2.8	20MS	6.4	40S	6.8	20S	57	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
55	RKD 418-2	33.0	80S	5.3	40S	6.4	40S	5.8	20MS	57	99
56	RKD 438	4.5	10S	6.3	20S	2.4	20MS	16.9	40S	47	99
57	RKD 439	7.3	20S	1.1	5MS	0.3	5MR	31.0	60S	57	99
58	RKD 440	3.3	10S	2.8	10S	1.7	10MS	26.4	40S	57	99
59	RKD 442	9.9	20S	13.1	80S*	6.5	40S	30.1	40S	68	99
60	RKD 492	33.3	80S	5.4	20S	3.4	20S	11.8	40S	67	99
60A	Infector	70.0	100S	70.0	80S	75.7	80S	75.0	80S	78	99
61	RKA 502	9.4	20S	10.5	60S	1.1	5S	19.1	40S	57	79
62	RKA 504	12.5	40S	3.5	20S	2.6	10S	15.9	40S	47	78
63	RKA 505	10.4	20S	3.9	10S	9.6	40S	28.3	80S	47	89
	Lokbharti, Sanosara										
64	LOK-2022-1	4.5	20MS	6.3	40S	0.3	5MR	34.1	60S	68	99
65	LOK-2022-2	12.5	40S	10.8	20S	6.9	20S	29.0	60S	68	99
66	LOK-2022-3	22.5	60S	26.3	60S	2.7	10S	57.5	80S	67	89
67	LOK-2022-4	2.9	20MR	2.0	10S	5.1	20MS	37.0	60S	67	99
68	LOK-2022-5	32.5	80S	8.3	40S	6.4	40S	65.0	80S	68	78
	SDAU, Vijapur										
69	VA 2021-19	7.8	20S	1.0	10MS	5.7	40S	72.5	80S	68	78
70	VA 2021-18	2.1	10MS	0.3	5MR	0.3	5MR	57.5	80S	57	89
71	VA 2021-07	4.6	20MS	1.0	10MS	2.9	20S	58.8	80S	57	89
72	VA 2021-06	4.3	20S	1.3	10MS	0.3	5MR	54.0	80S	57	78
73	VA 2021-02	2.1	10MS	2.0	10MS	2.0	10S	55.0	80S	47	78
74	VA 2021-22	4.3	20MS	3.3	20S	2.3	20MS	67.5	100S	67	89
75	VA 2021-21	3.0	20MS	2.3	10S	0.3	5MR	55.0	80S	68	99
76	VA 2021-20	5.1	20MS	4.3	20MS	11.4	40S	48.8	60S	57	99
77	VA 2021-28	4.8	20MS	6.0	40S	5.7	40S	35.0	40S	68	79
78	VA 2021-15	2.9	20MS	1.8	10S	2.1	10MS	26.0	40S	57	79
79	VA 2021-27	8.8	20S	7.3	20MS	7.5	40S	23.8	40S	57	78
80	VA 2021-09	4.0	20MS	1.0	10MS	3.1	20S	50.0	80S	68	89
80A	Infector	67.5	100S	75.0	80S	75.7	80S	77.5	80S	78	89
81	VA 2021-29	3.8	20MS	2.1	10MS	5.7	40S	24.5	40S	68	89
82	VA 2021-13	3.0	20MS	14.8	40S	8.6	40S	45.1	80S	68	78
83	VA 2021-24	3.6	20MS	3.5	20S	2.9	20S	52.5	80S	68	89
84	VA 2021-12	1.3	10MR	1.3	10S	3.4	20S	58.8	100S	67	79
85	VA 2021-10	2.5	10MS	1.8	10S	1.1	10MS	41.0	80S	68	79
86	VA 2021-05	2.4	20MS	1.6	10MS	0.3	5MR	47.6	80S	57	89
87	VA 2021-03	2.3	10MS	1.0	10MS	1.4	10S	47.3	60S	68	99
88	VA 2021-23	0.9	5MS	0.5	5MS	0.6	10MR	34.5	60S	68	99
89	VA 2021-25	3.6	20MS	1.0	10MS	1.3	10MS	53.3	80S	67	78
90	VA 2021-08	1.3	5MS	0.8	5MS	1.1	10MS	47.0	80S	78	99
91	VA 2021-04	4.0	15MS	4.3	20S	2.9	20S	63.8	100S	68	99
92	VD 2021-2	9.0	40S	4.3	20S	3.0	20MS	19.5	80S	57	99
93	VD 2021-6	5.8	20MS	2.8	10S	5.8	40S	9.6	20S	57	99
94	VD 2021-9	2.5	10MS	0.3	5MR	5.8	40S	6.9	40S	57	99
95	VD 2021-10	2.6	10MS	2.5	10MS	5.8	40S	31.4	80S	67	99
96	VD 2021-12	8.8	20S	7.0	20S	1.9	5S	9.6	40S	57	99
97	VD 2021-14	1.4	10MS	0.8	5MS	0.3	5MR	8.5	40MS	57	99
98	VD 2021-20	4.5	10S	4.0	20S	0.9	5MS	9.3	40MS	68	89
99	VD 2021-21	2.9	10S	3.8	10S	6.3	40S	52.0	100S	78	99
100	VD 2021-24	3.2	20MS	2.3	10S	0.8	5S	13.3	80S*	68	89
100A	Infector	70.0	100S	70.0	80S	80.0	100S	75.0	80S	78	99
101	VD 2021-28	6.1	20S	2.5	20S	5.7	40S	5.2	20S	57	78
102	VD 2021-4	8.6	20S	6.0	40S	1.2	10MS	5.8	20MS	57	68
103	VD 2021-8	2.9	10MS	2.3	10S	1.2	10MS	5.7	20MS	58	68
104	DR 20-14	12.0	40S	6.0	20S	1.1	5MS	5.1	20MS	68	89
105	DR 20-37	35.0	60S	2.7	10MS	3.0	15S	31.5	60S	68	79
106	DR 20-25	27.5	60S	8.0	40S	2.6	10S	72.5	100S	67	79
107	DR 20-33	17.0	60S	7.5	20S	1.9	20MR	76.0	100S	78	89
108	DR 20-23	33.6	80S	4.5	20S	1.9	10MS	73.5	100S	68	79
	ARI, Pune										
109	MACS 4138	37.3	80S	4.5	20S	1.3	5S	11.1	40S	68	89
110	MACS 4139	42.0	80S	2.8	20S	0.7	5S	4.2	10MS	68	99

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
111	MACS 4140	7.6	20S	2.0	20MS	0.3	5MR	1.9	10S	67	99
112	MACS 4141	9.0	40S	1.0	10MS	6.1	40S	3.4	10MS	57	99
113	MACS 4142	37.5	80S	2.8	20S	3.4	20S	3.7	10MS	57	79
114	MACS 4143	8.3	20S	1.0	10MS	0.7	5S	8.4	20MS	68	78
115	MACS 4144	9.3	40MS	2.3	10S	1.4	10S	1.6	10MS	67	78
116	MACS 4145	3.1	10MS	0.3	5MR	1.3	10MS	4.9	10MS	68	99
117	MACS 4146	6.6	20S	2.8	20S	4.3	30S	3.8	10MS	57	89
118	MACS 4147	8.8	20S	1.0	10MS	2.9	20S	1.3	5MS	57	99
119	MACS 4148	16.3	40S	2.5	20S	0.3	5MR	1.8	5S	57	99
120	MACS 4149	39.8	80S	5.2	40S	5.8	40S	11.5	40S	67	99
120A	Infector	77.5	100S	72.5	80S	75.7	100S	75.0	80S	78	89
121	MACS 4150	16.5	40S	3.0	20S	1.4	20MR	3.9	10MS	58	99
122	MACS 4151	10.0	20S	2.3	10S	1.2	20MR	1.7	10MS	57	99
123	MACS 6850	3.1	20MS	0.8	5MS	1.7	15MS	21.6	60S	57	78
124	MACS 6851	2.5	10S	0.0	R	1.1	10MS	22.9	60S	67	78
125	MACS 6852	5.5	20MS	1.3	10MS	1.1	5MS	26.8	60S	78	99
126	MACS 6853	1.0	10MR	1.3	10MS	1.4	20MR	53.5	80S	78	99
127	MACS 6854	1.5	5MS	9.6	40S	9.0	20S	44.5	80S	68	99
128	MACS 6855	4.3	20MS	4.5	20MS	2.3	10S	77.5	100S	68	99
129	MACS 6856	7.0	20MS	3.1	20MS	1.1	5MS	75.0	100S	67	78
130	MACS 6857	3.3	40MR	2.5	10MS	3.1	20S	76.3	100S	78	89
131	MACS 6858	4.5	40MR	3.0	20MS	2.7	10S	62.5	80S	67	89
132	MACS 6859	15.0	40S	18.4	40S	8.4	20S	8.5	20S	57	89
133	MACS 6860	4.8	20MS	3.0	20MS	8.3	40S	14.1	40S	68	78
134	MACS 6861	19.5	60S	3.9	10S	4.1	10S	9.2	40S	58	99
135	MACS 6862	6.7	20S	5.8	20MS	6.6	40S	27.0	40S	68	99
136	MACS 6863	4.8	20MS	3.6	20S	1.1	10MS	16.8	40S	67	79
137	MACS 6864	10.8	40S	2.1	10MS	0.6	10MR	16.3	40S	57	79
138	MACS 6865	6.5	20S	6.3	20MS	4.9	20S	21.6	40S	58	89
139	MACS 6866	6.1	20S	1.5	10MS	0.4	5MR	24.5	40S	67	99
140	MACS 6867	4.0	20S	3.0	10S	6.3	30MS	12.4	40S	57	79
140A	Infector	70.0	100S	80.0	80S	78.6	100S	75.0	80S	78	99
141	MACS 6868	10.8	40S	3.5	10S	3.3	10S	5.9	20MS	57	79
142	MACS 5064	4.8	20MS	1.0	10MS	3.0	20MS	12.7	40S	58	79
143	MACS 5065	10.5	40S	4.8	20MS	2.3	20MS	4.0	10MS	67	78
	AAU, Shillongani										
144	ST 11	21.4	40S	16.0	40S	9.6	40S	6.8	20S	57	89
145	ND 15	24.9	60S	22.8	60S	11.6	40S	11.7	40S	68	99
146	RD 43	34.8	60S	22.5	60S	18.4	40S	11.1	40S	57	99
147	TH 73	14.0	30S	20.7	60S	12.4	40MS	10.5	20S	78	78
148	NE 731	25.2	60S	16.0	60S	21.3	40S	19.4	60S	57	99
	PDKV, Akola										
149	AKAW - 4662	28.0	60S	10.3	20S	12.1	40S	55.1	80S	68	99
150	AKDW - 5348	6.8	20MS	9.3	20S	1.9	10MS	9.8	40S	78	89
151	AKAW - 5354	19.3	40S	28.5	80S	18.6	60S	47.0	80S	68	99
152	AKAW - 5441	9.8	40S	3.9	20S	2.6	10S	62.5	80S	56	78
153	AKAW - 5444	17.8	40S	20.3	40S	16.5	40S	41.0	80S	57	79
154	AKAW - 5445	14.1	40S	17.3	40S	10.1	40S	44.5	80S	68	99
155	AKAW - 5448	10.2	40S	8.0	10S	3.1	10S	45.8	80S	68	79
156	AKAW - 5513	19.0	40S	14.6	20S	5.7	20S	52.5	80S	57	89
157	AKAW - 5515	17.8	40S	33.8	60S	18.4	60S	52.5	80S	58	78
158	AKAW - 5518	11.0	20S	26.0	80S	10.1	40S	53.8	80S	57	78
159	AKAW - 5519	27.3	60S	26.6	60S	21.4	60S	43.9	80S	57	99
160	AKDW - 5520	9.9	40S	6.0	20S	11.4	40S	4.9	20MS	57	99
160A	Infector	75.0	100S	80.0	80S	78.6	100S	75.0	80S	68	89
161	AKAW - 5521	6.3	20MS	3.9	20S	4.7	20S	44.0	80S	68	78
162	AKAW - 5546	28.5	60S	9.8	40S	9.8	40S	10.5	20S	57	89
163	WSM - 141	3.0	20MS	2.3	10MS	5.7	40S	31.0	60S	46	89
	RARI, Durgapura										
164	WR 2155	29.8	60S	42.5	80S	25.7	60S	2.7	20S	68	99
165	WR 2156	29.8	60S	25.0	60S	8.6	20S	4.8	20MS	68	78
166	WR 2157	10.9	40S	1.3	10S	6.7	40S	3.3	5S	57	89

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		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
167	WR 2158	2.8	20MS	3.5	10S	6.6	20S	19.1	60S	67	99
168	WR 2159	25.5	60S	25.6	60S	22.9	60S	12.9	30S	68	99
169	WR 2160	31.5	80S	34.4	80S	28.1	60S	14.9	40S	68	89
170	WR 2161	6.1	20MS	16.8	60S	14.0	40S	24.5	60S	68	78
171	WR 2162	6.0	20S	3.8	20S	1.4	10S	9.4	20S	78	99
172	WR 2163	6.1	20MS	2.5	20S	5.8	40S	5.6	10S	57	99
173	WR 2164	3.1	10MS	6.2	20S	7.1	20S	1.5	10MS	58	99
174	WR 2165	1.2	10MS	1.0	10MS	6.3	40S	8.4	20S	57	99
175	WR 2166	5.3	20MS	4.0	20S	5.7	40S	9.5	20S	67	89
176	WR 2167	3.8	10S	22.5	60S	24.0	40S	21.3	60S	58	78
177	WR 2168	0.6	10MR	8.3	20S	6.9	20S	34.5	80S	67	99
178	WR 2169	1.1	5MS	8.4	20S	8.6	40S	26.1	60S	57	99
179	WR 2170	12.9	40S	15.5	60S	17.0	80S	15.5	40S	46	78
180	WR 2171	2.4	10MS	1.8	10S	3.0	20MS	38.3	60S	57	78
180A	Infector	75.0	100S	80.0	100S	80.0	100S	75.0	80S	78	99
181	WR 2172	1.2	5MS	4.6	10MS	5.8	20S	21.8	60S	56	99
182	WR 2173	10.5	20S	20.5	40MS	22.3	60S	36.6	80S	57	99
183	WR 2174	1.1	5MS	1.3	10S	1.7	10S	19.5	60S	68	99
184	WR 2175	3.5	20S	5.0	20S	6.1	40S	11.0	40S	47	79
185	WR 2176	13.3	40S	3.2	10S	7.3	40S	7.6	20S	47	79
186	WR 2177	8.0	20S	9.6	20S	1.1	20MR	20.4	40S	58	79
187	WR 2178	7.0	40S	17.4	60S	7.9	20S	5.3	20S	67	99
188	WR 2179	13.5	40S	26.1	80S	21.3	60S	26.1	60S	78	99
189	WR 2180	14.5	40S	25.0	60S	19.0	40S	28.1	80S	56	78
190	WR 2181	2.0	10MS	7.7	20S	10.0	40S	9.4	20MS	57	89
191	WR 2182	8.3	20S	23.5	80S	25.3	60S	5.1	20S	56	99
192	WR 2183	22.0	40S	31.6	60S	30.6	60S	17.3	40S	57	99
193	WR 2184	4.6	20S	3.4	10S	3.7	30MS	10.0	20S	57	78
194	WR 2185	10.3	40S	6.1	40S	3.0	10MS	11.9	40S	57	99
195	WR 2186	6.0	20S	6.0	40S	6.3	40S	13.9	40S	57	99
196	WR 2187	10.4	40S	12.0	20S	5.3	10S	8.2	20S	68	78
197	WR 2188	10.5	40S	7.5	40S	10.1	40S	13.3	40MS	67	79
198	WR 2189	4.0	10MS	1.5	20MR	3.4	20S	14.6	40S	57	68
	UAS, Dharwad										
199	UASD-2201	6.1	20S	7.4	40S	1.5	5S	33.3	80S	47	67
200	UASD-2202	3.0	10MS	3.9	10S	3.5	10S	6.9	20MS	56	68
200A	Infector	72.5	100S	77.5	100S	78.6	100S	75.0	80S	78	99
201	UASD-2203	5.6	20S	2.8	10S	1.8	20MR	3.4	10S	56	89
202	UASD-2204	0.4	5MR	1.3	10S	2.9	20S	29.6	60S	57	99
203	UASD-2205	4.3	20MS	6.9	30S	2.1	5S	8.6	40S	57	99
204	UASD-2206	2.0	5MS	0.5	5.MS	0.2	TMS	3.0	10S	57	89
205	UASD-2207	5.5	20MS	1.9	10S	0.9	5MS	1.8	10S	46	89
206	UASD-2208	5.5	20MS	2.8	10S	1.8	20MR	12.0	40S	57	89
207	UASD-2209	2.6	10MS	4.1	20MS	2.1	10S	7.8	20S	57	79
208	UASD-2210	5.0	20MS	2.5	10MS	1.5	10S	6.0	20S	57	99
209	UASD-2211	4.3	20MS	1.5	10MS	1.1	5S	5.5	20S	57	99
210	UASD-2212	6.0	20MS	2.0	10MS	1.0	10MR	2.3	10S	56	99
211	UASD-2213	20.5	40S	3.8	10MS	0.9	5MS	5.6	20S	57	78
212	UASD-2214	21.1	40S	7.6	20S	0.9	5MS	41.5	80S	57	78
213	UASD-2215	11.4	20S	3.7	10S	1.7	10S	32.1	80S	57	78
214	UASD-2216	1.3	5MS	0.0	R	1.3	10MS	27.1	60S	57	89
215	UASD-2217	25.6	60S	2.6	10S	1.4	10MS	0.7	5MS	46	89
216	UASD-2218	11.0	20S	12.4	40S	1.5	5S	4.8	10S	47	57
217	UASD-2219	45.5	80S	5.3	20MS	6.3	40S	25.1	60S	57	89
218	UASD-2220	6.5	20S	8.5	60S	1.7	20MR	8.1	20MS	67	78
219	UASD-2221	5.8	20MS	3.3	20MS	0.0	R	1.4	5S	57	79
220	UASD-2222	4.3	20MS	2.5	20MS	1.1	5MS	2.4	10S	67	99
220A	Infector	75.0	80S	80.0	100S	78.6	100S	75.0	80S	78	99
221	UASD-2223	3.0	10MS	2.5	10MS	0.9	10MR	26.5	80S	57	99
222	UASD-2224	1.4	10S	2.8	20MS	0.9	5MR	16.6	40S	46	58
223	UASD-2225	2.8	15MS	3.5	10S	2.7	20MR	17.1	60S	46	58
224	UASD-2226	3.5	10MS	4.0	20MS	2.9	20S	5.5	10S	47	58

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
225	UASD-2227	3.8	15S	2.6	20MS	2.0	10MS	37.5	60S	47	68
226	UASD-2228	2.6	10MS	1.1	5S	0.9	5MS	2.9	20MS	57	68
227	UASD-2229	21.3	40S	0.5	5MS	1.1	10MS	4.1	20S	68	99
228	UASD-2230	4.9	20S	2.3	10MS	1.1	10MS	34.0	60S	68	99
229	UASD-2231	12.6	40S	1.7	10MS	2.3	20MS	24.3	60S	57	78
230	UASD-2232	2.4	10MS	0.5	5MS	3.4	30MS	4.2	20S	57	99
231	UASD-2233	2.6	10MS	1.3	10MS	1.0	5S	0.3	TS	67	78
232	UASD-2234	12.4	40S	3.8	10S	4.9	20S	18.1	60S	57	78
233	UASD-2235	10.0	20S	2.8	20S	4.7	20S	28.0	60S	58	79
	HPKV, Malan										
234	PW 2201	7.6	20S	6.5	20S	10.3	20S	12.6	40S	57	78
235	PW 2202	7.5	20MS	2.9	10S	7.1	30MS	12.9	40S	67	99
236	PW 2203	20.4	40S	3.3	20MS	2.0	10S	15.6	60S	67	89
237	PW 2204	5.8	10S	7.8	20S	8.9	40S	17.3	40S	68	89
238	PW 2205	11.0	20S	7.6	20S	17.7	60S	33.0	80S	68	89
239	PW 2206	7.5	20MS	6.5	20MS	13.1	40S	30.1	60S	68	89
240	PW 2207	7.5	20MS	8.0	40S	9.3	40S	10.3	40S	68	89
240A	Infector	75.0	100S	80.0	100S	75.7	100S	75.0	80S	78	89
241	PW 2208	12.0	40S	19.3	60S	11.9	40S	0.6	5MS	68	99
242	PW 2209	12.3	20S	19.0	40S	21.7	60S	11.6	40S	68	99
243	PW 2210	14.5	40S	12.7	20S	12.3	40S	27.0	60S	57	68
244	PW 2211	18.0	40S	15.9	60S	14.9	40S	2.4	10MS	57	89
245	PW 2212	4.0	10S	7.1	20MS	5.3	20S	28.1	80S	68	89
246	DW 293	6.9	20MS	13.8	40S	21.9	60S	28.0	60S	68	79
247	DW 294	2.7	15MS	4.7	10S	4.3	20S	28.4	80S	67	78
248	DW 298	0.8	5MS	6.1	20MS	11.3	40S	17.3	60S	67	78
	ANDUAT, Ayodhya										
249	NW-8078	6.4	20S	6.3	20S	8.6	40S	10.5	20MS	57	78
250	NW-8079	1.5	5MS	15.8	40S	22.3	60S	21.0	40S	47	68
251	NW-8080	5.0	20S	6.6	40S	6.9	40S	18.1	40S	57	78
252	NW-8081	2.6	10MS	2.7	10S	2.2	10S	6.5	20S	57	78
253	NW-8082	12.5	40S	9.0	40S	7.5	40S	3.1	10S	57	79
254	NW-8083	5.1	10S	6.6	20MS	8.9	40S	20.5	40S	56	78
255	NW-8084	1.3	10MS	5.0	20MS	5.3	20S	12.4	40S	57	99
256	NW-8085	3.9	20MS	2.5	20S	3.8	20MS	8.6	20S	45	78
257	NW-8086	7.8	20S	7.3	40S	7.6	20S	13.6	40S	57	78
258	NW-8087	7.0	20S	0.9	10MR	8.7	40S	7.9	20MS	57	89
259	NW-8088	3.8	10S	10.1	40MS	5.6	20S	30.0	40S	58	79
260	NW-8089	6.8	20S	1.0	10MS	2.0	10MS	12.6	40MS	56	68
260A	Infector	72.5	100S	80.0	100S	78.6	100S	77.5	80S	78	99
261	NW-8090	5.4	20MS	6.3	20S	0.7	5S	12.9	40S	56	68
262	NW-8091	2.8	10S	1.3	10S	1.1	10MS	28.9	60S	57	79
263	NW-8092	2.3	10S	7.1	40S	5.7	20S	33.3	60S	57	78
264	NW-8093	7.6	20S	3.3	20S	4.5	20MS	17.6	60S	57	78
265	NW-8094	1.1	10MR	0.0	R	1.7	10S	4.2	10MS	57	78
266	NW-8095	6.9	20S	3.1	10S	3.8	20S	4.9	10S	56	68
267	NW-8096	2.2	10MS	1.6	10S	1.1	20MR	17.8	60S	57	78
268	NW-8097	12.8	40S	5.4	10S	10.4	60S*	37.4	60S	57	78
269	NW-8098	5.0	20S	1.9	10S	5.8	20S	15.8	40S	57	67
270	NW-8099	2.6	10S	3.5	10MS	7.0	40S	12.1	40S	57	68
271	NW-8100	2.1	5S	2.2	10MS	7.6	40S	10.0	20S	58	78
272	NW-8101	4.2	20MS	2.3	10MS	3.4	10S	12.1	40S	57	68
273	NW-8102	6.6	20S	3.0	10S	8.5	40S	7.4	40MS	57	78
	GBPUAT, Pantnagar										
274	UPW-1	7.3	20MS	5.6	20S	6.3	20S	46.5	60S	36	57
275	UPW-2	5.1	20S	3.6	20S	5.0	20S	36.1	60S	46	57
276	UPW-3	4.0	10S	1.3	10S	7.5	40S	31.6	60S	46	68
277	UPW-4	3.6	10S	1.0	10MS	6.6	20S	9.4	40S	46	58
278	UPW-5	5.6	10S	5.2	30S	4.6	20MS	56.3	80S	47	78
279	UPW-6	3.0	20MR	0.5	10MR	1.9	10MS	57.5	80S	67	99
280	UPW-7	5.3	20MS	1.3	10MS	3.6	20S	3.7	10MS	46	78
280A	Infector	72.5	100S	80.0	100S	81.4	100S	75.0	80S	78	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
281	UPW-8	3.2	15MS	4.5	20MS	8.9	40S	31.6	60S	47	57
282	UPW-9	10.3	40MS	8.3	20S	18.1	60S	35.5	60S	47	78
283	UPW-10	6.6	20S	4.3	10S	4.1	20S	20.6	40S	57	89
284	UPW-11	7.3	20S	8.3	40S	9.5	40S	35.5	60S	47	68
285	UPW-12	10.6	40S	4.8	20S	9.3	40S	5.9	10S	46	47
286	UPW-13	3.3	10S	5.8	40S	4.4	20MS	33.0	60S	35	58
287	UPW-14	8.1	20MS	3.6	20S	12.3	60S*	6.1	20S	46	56
288	UPW-15	5.3	20MS	1.5	10S	8.6	40S	28.5	60S	57	57
289	UPW-16	1.8	10S	1.8	10S	4.1	20S	35.0	60S	46	58
290	UPW-17	7.9	20MS	7.8	40S	7.3	40S	42.6	60S	47	58
291	UPW-18	30.6	60S	5.1	20MS	0.3	5MR	24.8	60S	57	78
292	UPW-19	8.9	40S	3.0	20S	2.4	10S	27.1	60S	46	56
293	UPW-20	1.0	5MS	2.4	10S	7.3	40S	9.7	20S	57	89
294	UPW-21	17.0	40S	6.6	20S	5.3	20MS	45.3	60S	57	78
295	UPW-22	16.9	60S	3.4	10S	4.1	20S	34.6	60S	57	78
296	UPW-23	6.9	20MS	3.0	20S	3.4	30MS	18.6	40S	47	58
297	UPW-24	2.7	10MS	7.2	20S	12.1	40S	20.4	40S	56	78
298	UPW-25	10.0	20S	5.5	20S	7.1	40S	11.6	40MS	57	68
299	UPW-26	5.0	10S	3.0	20S	0.1	TMR	30.3	60S	57	67
300	UPW-27	5.8	20S	8.0	60S*	11.4	40S	9.3	20S	56	67
300A	Infector	75.0	100S	80.0	100S	78.6	100S	80.0	80S	79	99
301	UPW-28	5.4	20S	0.5	5MS	2.9	10S	7.4	20S	57	79
302	UPW-29	6.4	20S	0.5	5MS	0.6	5MS	9.4	20S	57	78
303	UPW-30	2.0	20MR	1.3	10MS	1.1	10MS	4.4	20MS	57	78
304	UPW-31	2.3	10MS	15.3	40S	17.6	60S	11.9	20S	57	78
305	UPW-32	5.3	20MS	20.3	40S	20.0	60S	12.0	20S	68	89
306	UPW-33	9.0	20S	5.5	10S	15.8	60S	18.1	40S	67	89
307	UPW-34	4.0	10S	1.0	10MS	7.1	20S	6.4	10S	57	78
308	UPW-35	4.5	20MS	3.1	10S	5.4	20S	18.3	40S	57	68
309	UPW-36	11.4	30S	11.8	30S	14.9	40S	11.3	40MS	57	78
310	UPW-37	3.0	10S	10.1	40S	1.7	5S	8.3	20S	57	78
311	UPW-38	5.0	10S	0.0	R	0.3	5MR	26.6	60S	56	68
312	UPW-39	12.5	40S	5.8	30S	12.3	40S	22.5	60S	67	89
313	UPW-40	1.1	5MS	1.3	10S	1.4	10S	16.8	40S	57	78
314	UPW-41	5.0	10S	2.1	10MS	4.4	30S	23.0	40S	46	57
315	UPW-42	2.1	10MS	2.8	10S	1.1	10MS	1.8	10MS	46	68
316	UPW-43	5.0	20S	4.8	20MS	0.9	5MS	26.6	60S	46	67
317	UPW-44	1.2	20MR	0.3	5MR	0.3	5MR	47.5	80S	46	58
318	UPW-45	2.3	5S	3.4	10S	12.7	60S*	10.9	40MS	46	58
319	UPW-46	18.0	40S	10.4	20S	8.3	40S	38.6	60S	47	58
320	UPW-47	9.5	40S	9.0	40S	10.9	40S	35.8	60S	67	89
320A	Infector	70.0	100S	80.0	100S	78.6	100S	77.5	80S	78	99
321	UPW-48	6.5	20MS	6.4	40S	1.0	5S	1.7	10MS	36	57
322	UPW-49	4.4	10MS	2.6	10S	0.6	5MS	3.9	10MS	46	58
323	UPW-50	12.5	40S	2.7	10MS	5.0	30S	9.9	40S	46	67
	BAU, Ranchi										
324	JKW 311	11.4	40S	11.8	20S	9.8	60S*	45.8	80S	46	67
325	JKW 312	3.8	20MS	11.1	40S	11.3	40S	14.9	40S	57	78
326	JKW 313	19.1	60S	9.6	20S	6.5	40S	49.4	80S	57	68
327	JKW 314	10.5	40S	9.1	40S	12.4	40S	34.6	60S	57	89
328	JKW 315	5.2	20MS	1.9	10MS	7.4	40S	1.9	5MS	47	89
329	JKW 316	5.9	20MS	4.3	10MS	10.0	40S	23.9	60S	47	68
330	JKW 317	4.8	20MS	1.9	10S	4.4	20S	12.0	40S	47	78
331	JKW 318	2.3	10MS	3.6	20MS	6.4	20S	8.4	20S	46	68
332	JKW 319	6.8	20S	4.8	20S	5.7	40S	14.1	40MS	47	68
333	JKW 320	8.4	40S	7.9	20S	7.7	40S	7.4	20MS	57	68
	MPUAT, Udaipur										
334	PWU 7	2.9	10S	6.4	20S	4.6	20S	35.4	60S	57	78
335	PWU 38	14.9	40S	13.9	40S	11.2	40S	14.4	40S	67	99
336	PWU 43	2.0	20MS	7.8	20MS	7.1	40S	30.5	60S	57	89
337	PWU 50	2.8	10MS	1.8	10MS	1.1	10MS	58.8	80S	57	78
338	PWU 52	2.8	10S	0.2	5R	5.8	40S	8.6	40S	67	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
394	KRL 2206	5.3	20S	1.8	10S	1.4	10MS	4.5	20S	46	89
395	KRL 2207	36.4	80S	12.3	40S	0.9	10MR	18.2	60S	57	99
396	KRL 2208	21.0	40S	1.5	10MS	0.7	10MR	22.3	40S	57	99
397	KRL 2209	21.5	40S	11.3	60S*	11.9	40S	20.5	40S	56	78
398	KRL 2210	3.0	10MS	2.0	10S	1.1	20MR	32.5	60S	47	68
399	KRL 2211	5.3	20S	8.4	40S	3.3	10S	21.1	40S	47	68
400	KRL 2212	2.8	10S	7.5	20S	6.3	20S	13.1	40S	57	68
400A	Infector	70.0	100S	77.5	80S	78.6	100S	75.0	80S	78	99
401	KRL 2213	2.8	10MS	2.6	10S	8.6	30MS	7.3	20S	67	99
402	KRL 2214	1.3	10S	8.7	40S	18.4	60S	11.1	40S	57	99
403	KRL 2215	11.1	40S	2.5	10MS	17.9	80S	8.8	40S	56	68
	BAU, Sabour										
404	BRW3948	5.5	20MS	9.3	20S	16.4	40S	22.3	60S	57	68
405	BRW3949	8.8	20S	11.3	20S	23.9	60S	39.0	60S	57	78
406	BRW3950	0.8	5MS	0.0	R	8.7	40S	39.0	60S	57	68
407	BRW3951	13.8	40S	9.8	20S	22.6	60S	37.8	60S	57	68
408	BRW3952	33.8	60S	24.0	40S	29.0	60S	35.5	60S	56	78
409	BRW3953	2.1	10S	2.8	10S	3.7	10S	18.8	40S	57	78
410	BRW3954	5.6	20S	1.3	10S	0.7	5S	19.8	40S	56	99
411	BRW3955	6.4	20S	4.1	10S	4.1	10S	25.8	60S	46	68
412	BRW3956	6.1	20MS	6.9	20S	11.3	40S	34.5	60S	57	78
413	BRW3957	3.1	10S	4.0	10S	4.9	20S	16.8	40S	57	78
414	BRW3958	9.9	40S	5.1	20S	1.4	5MS	27.0	40S	46	68
415	BRW3959	11.4	40S	1.2	5S	1.7	10S	16.0	40S	57	99
416	BRW3960	8.3	20S	0.0	R	5.7	40S	6.3	10S	57	68
417	BRW3961	6.5	20S	6.7	20S	15.6	60S	43.3	60S	57	67
418	BRW3962	4.9	15MS	4.0	20S	7.9	40S	5.2	20S	46	57
419	BRW3963	3.1	10MS	2.6	10S	0.0	R	24.0	60S	46	58
420	BRW3964	3.1	10MS	5.5	10S	1.0	5S	17.8	40S	68	89
420A	Infector	72.5	100S	80.0	80S	75.7	100S	75.0	80S	89	99
421	BRW3965	13.3	40S	2.9	10S	1.9	20MR	45.0	60S	46	57
422	BRW3966	5.6	10S	7.6	20S	12.3	60S	24.0	40S	46	68
423	BRW3967	15.0	40MS	11.0	40S	10.7	40S	11.0	20S	56	58
	SKUAST, Kashmir										
424	SKW-377	2.2	10MS	9.0	40S	6.1	20S	11.5	40S	57	99
425	SKW-378	3.7	20S	2.3	10S	0.9	5MS	22.5	60S	57	78
426	SKW-379	3.1	10MS	3.8	20S	3.0	20MS	24.8	40S	57	78
427	SKW-380	4.6	15S	2.3	10S	7.4	20S	29.5	60S	58	78
428	SKW-381	9.3	20S	4.6	10S	26.4	40S	19.3	40S	67	78
429	SKW-382	1.2	10MR	0.7	10MR	1.8	20MR	2.3	10S	57	78
430	SKW-383	7.5	20S	13.9	40S	16.3	40S	6.4	40S	57	78
431	SKW-384	6.1	15MS	1.0	10MS	0.0	R	3.0	10MS	57	58
432	WGS-9018	5.0	10S	6.0	20MS	9.0	40S	23.9	60S	57	78
433	WGS-3036	8.6	40S	11.9	20S	10.3	40S	9.7	40S	68	99
434	WGS-1051	5.0	20S	5.3	10S	2.3	20MS	16.3	40S	67	78
435	WGS-4021	8.0	20S	11.5	20S	12.1	40S	5.6	20MS	57	99
436	WGS-5012	4.3	10S	22.3	60S	15.4	40S	21.1	40S	67	99
	JAU, Junagadh										
437	J 21-01	1.4	10MS	7.6	60S	2.9	20S	65.0	80S	57	99
438	J 21-07	1.6	10MS	0.5	5MS	5.7	40S	52.3	80S	67	99
439	J 21-09	2.6	10MS	1.1	5S	2.9	20S	50.0	80S	68	79
440	J 21-15	3.0	10MS	1.6	10MS	3.6	20S	65.0	80S	67	89
440A	Infector	70.0	100S	80.0	80S	75.7	100S	75.0	80S	78	99
441	J 21-16	6.5	20S	6.1	40S	2.9	20S	61.3	80S	67	89
442	J 21-18	2.3	20MR	0.3	5MR	5.7	40S	54.8	80S	67	79
443	J 21-22	6.4	20S	23.0	40S	26.0	80S	50.0	80S	78	99
444	J 21-27	6.3	20MS	0.6	5MS	1.7	15MS	50.0	80S	78	99
445	J 21-28	11.0	20S	31.3	80S	24.7	80S	58.1	80S	68	99
446	J 21-29	2.8	10MS	0.8	5MS	4.0	30MS	59.4	80S	78	99
447	J 21-30	2.8	10MS	0.3	10R	5.7	40S	62.5	80S	68	89
448	J 21-33	1.1	10MR	0.5	5MS	2.9	20S	39.9	80S	68	89
449	J 21-34	3.8	20MS	0.3	5MR	0.9	15MR	60.6	80S	78	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
507	NWS2124	12.1	40S	7.8	20S	6.6	20S	2.5	10MS	57	78
508	NWS2205	14.1	40S	1.7	10MS	2.9	20S	45.0	60S	46	67
509	NWS2240	9.4	40S	4.7	10S	13.4	40S	12.7	60S	46	78
510	NWS2237	6.1	20S	3.8	10S	12.0	40S	28.3	60S	57	78
	RPCAU, Pusa										
511	RAUW113	6.6	20MS	4.5	20S	6.4	20S	30.1	60S	57	78
512	RAUW114	2.6	10MS	13.6	60S	7.6	20S	10.6	20S	58	99
513	RAUW115	11.1	40S	5.0	20MS	14.0	40S	11.4	40S	57	78
514	RAUW116	17.9	40S	8.8	20S	5.8	20S	27.5	60S	57	99
515	RAUW117	5.0	20S	2.5	10S	5.6	30MS	36.4	60S	68	99
516	RAUW118	2.3	10MS	0.2	5R	12.6	60S	11.4	40MS	67	99
517	RAUW119	15.5	40S	20.0	40S	14.3	60S	21.1	40S	57	99
	SKUAST, Jammu										
518	JAUW 715	11.8	40S	16.4	40S	23.6	60S	7.0	20S	57	99
519	JAUW 716	6.1	10S	4.8	20MS	15.1	40S	14.1	40S	56	99
520	JAUW 717	6.6	20MS	6.3	30S	11.5	40S	8.1	40S	57	99
520A	Infector	70.0	100S	80.0	80S	78.6	100S	75.0	80S	78	99
521	JAUW 718	0.4	5MR	8.8	20S	8.3	30MS	22.8	60S	57	89
522	JAUW 719	8.0	30S	6.0	20S	5.3	20S	3.7	10S	56	89
523	JAUW 720	3.6	10S	8.5	20S	15.0	40S	3.0	10S	57	79
524	JAUW721	7.8	20S	8.8	20S	18.7	40S	2.2	5MS	56	89
525	JAUW 722	1.8	10MS	5.2	20S	11.5	40S	13.4	40MS	57	79
526	JAUW 723	11.1	40S	5.9	20S	6.5	20S	5.4	10S	67	78
527	JAUW 724	9.4	20S	15.9	20S	19.3	40S	41.0	60S	57	99
	Modipuram										
528	SVPWL22-01	6.2	20S	13.3	40S	19.9	60S	9.9	20S	57	99
529	SVPWL22-02	35.5	80S	7.1	20S	5.7	20S	1.6	5MS	68	99
530	SVPWL22-03	3.9	10S	1.3	10MS	1.7	5MS	3.3	10MS	57	99
531	SVPWL22-04	5.7	20MS	2.9	10S	2.6	5S	5.9	40MS	57	67
532	SVPWL22-05	7.5	20S	5.8	20S	4.1	20S	10.7	20S	57	78
533	SVPWL22-06	6.6	20S	3.5	20MS	0.4	5MR	4.7	20MS	68	99
534	SVPWL22-07	3.1	15MS	1.3	10MR	2.4	10MS	11.6	40S	67	99
535	SVPWL22-08	3.9	10S	1.0	10MS	1.7	20MR	19.0	40S	57	99
536	SVPWL22-09	10.0	20S	5.5	20S	9.9	40S	8.9	20S	56	78
537	SVPWL22-10	10.0	30S	9.8	20S	6.8	40S	6.4	20S	58	78
	IWBR Station Trials										
538	RWP1227	2.7	20S	1.8	10S	3.1	10S	4.9	10S	57	78
539	RWP1238	3.5	10S	2.4	10S	6.1	30MS	24.6	60S	67	99
540	RWP1280	3.5	10S	2.8	10MS	2.1	10S	15.4	40S	56	99
540A	Infector	75.0	100S	77.5	80S	78.6	100S	77.5	80S	78	99
541	RWP1332	5.4	20S	2.2	10S	7.9	40S	12.6	40S	67	99
542	RWP1350	6.5	20S	1.8	10S	9.2	40S	11.6	40S	68	99
543	RWP1365	1.4	10MS	0.8	10MR	2.3	20MS	23.8	60S	57	99
544	RWP1407	2.8	10S	1.5	10S	4.6	20MS	8.3	40S	67	99
545	RWP1449	5.5	20S	0.5	10MR	1.4	10S	9.1	40MS	67	99
546	LBP-2021-02	6.6	20S	2.6	20MR	0.4	5MR	21.5	60S	57	89
547	LBP-2021-07	2.9	10S	2.0	10MS	1.4	10S	10.0	40S	67	99
548	LBP-2021-08	4.4	15MS	3.2	20S	0.9	5S	6.0	20S	57	78
549	LBP-2021-11	2.8	10MS	2.8	10S	6.9	40S	17.1	40S	58	99
550	LBP-2021-18	2.3	10S	1.0	5MS	5.7	40S	19.6	60S	57	78
551	LBP-2021-20	11.4	20S	2.4	10MS	10.3	40S	4.4	10S	57	99
552	LBP-2021-22	9.4	40S	10.8	40MS	4.7	20S	3.9	10MS	57	99
553	DWAP2101	7.5	20S	11.5	40S	1.0	5S	6.3	20S	67	99
554	DWAP2105	8.4	20S	17.6	60S	7.7	30MS	9.4	40S	67	89
555	DWAP2108	5.8	10S	2.5	10S	11.4	40S	12.6	20S	56	78
556	DWAP2109	6.8	20S	3.8	20S	5.8	40S	7.1	20S	57	78
557	DWAP2113	4.1	20MS	2.3	10MS	0.7	5MS	4.0	10S	68	99
558	DWAP2114	10.4	40S	5.6	20S	8.0	40S	4.9	10MS	67	89
559	DWAP2117	11.6	40S	5.5	20S	6.6	30MS	6.3	10S	67	78
560	PBS-IR-TS-16	7.4	20S	6.1	20S	4.3	10S	4.9	10S	68	89
560A	Infector	77.5	100S	77.5	80S	78.6	100S	77.5	80S	78	89
561	PBS-IR-TS-25	19.1	60S	6.3	30S	9.7	40S	9.7	40S	68	78

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
562	PBS-IR-TS-26	20.5	60S	6.1	20S	3.2	10MS	5.9	20S	57	78
563	QYT 2104	9.3	20S	4.3	20S	6.6	30MS	6.5	20S	57	78
564	QYT 2105	10.9	40S	4.6	20S	12.8	40S	5.2	10S	57	99
565	QYT 2114	9.5	40S	4.3	15MS	6.7	20S	6.9	20S	57	89
566	QYT 2117	16.0	40S	17.8	30S	7.8	40S	4.5	20S	46	89
567	BSP-TS 2117	5.4	15S	2.3	10S	4.3	20S	21.0	40S	56	78
568	BSP-TS 2118	7.3	20S	3.6	10MS	11.7	40S	17.8	40S	67	78
569	BSP-TS 2123	7.1	40S	6.8	20S	5.9	20S	6.1	20MS	57	78
570	BSP-TS 2138	8.3	40S	6.4	10MS	8.6	40S	2.9	10MS	57	89
571	RWP1065	3.0	10MS	5.0	20S	2.9	10S	8.1	40S	57	78
572	RWP1199	2.7	10MS	12.8	40S	6.3	20S	9.2	40S	67	78
573	RWP1203	2.4	10MS	6.0	30S	8.3	20S	3.7	10S	57	78
574	RWP1343	5.9	20S	5.3	20S	14.5	60S	10.4	40S	57	99
575	RWP1479	5.4	20S	6.0	20S	11.6	60S	14.1	40S	56	78
576	LBP-2021-01	1.8	10MS	9.8	20S	12.3	20S	8.8	40S	57	78
577	LBP-2021-04	5.2	20S	5.6	20MS	5.3	20S	22.1	60S	57	78
578	LBP-2021-05	21.0	80S	8.8	20S	15.9	60S	23.8	60S	57	78
579	LBP-2021-06	14.9	40S	8.4	20S	5.4	20S	23.8	60S	67	99
580	LBP-2021-13	8.0	40S	4.8	10S	7.5	40S	27.0	60S	57	89
580A	Infector	75.0	100S	75.0	80S	81.4	100S	70.0	80S	78	99
581	LBP-2021-16	9.1	20S	7.3	40S	6.0	20S	27.1	60S	56	99
582	DWAP2110	5.4	20MS	8.5	20S	21.5	60S	14.3	60S	57	89
583	DWAP2111	8.8	40S	5.5	20S	9.1	40S	26.6	60S	68	99
584	PBS-IR-TS-01	4.0	15 MS	14.1	40S	18.3	40S	21.4	40S	67	99
585	PBS-IR-TS-12	5.4	20S	5.9	20S	12.1	60S	19.9	40S	67	99
586	PBS-IR-TS-19	10.3	40S	6.4	15MS	13.1	60S	33.1	60S	47	89
587	PYTSR24	1.6	10MS	1.1	10MS	5.1	20S	36.6	60S	57	89
588	QYT 2101	5.4	20S	6.3	40S	12.7	60S	6.4	20MS	57	89
589	QYT 2106	5.5	20MS	5.1	20S	14.0	60S	16.6	40S	58	89
590	QYT 2110	3.4	10S	3.5	20S	5.3	40MS	9.5	40MS	56	89
591	QYT 2111	29.5	80S	3.9	20S	1.6	5S	5.4	20MS	57	67
592	QYT 2112	3.4	10S	1.3	10S	0.6	5MS	37.0	80S	67	89
593	BSP-TS-2130	3.3	10S	7.0	30S	17.1	40S	15.4	40S	67	99
594	RWP1034	4.2	15S	3.3	10S	7.4	40S	13.9	40S	57	67
595	RWP1062	6.5	20S	6.3	20S	6.1	20S	10.0	40S	67	99
596	RWP1170	5.2	20S	2.5	10S	0.9	10MR	10.7	40S	57	78
597	RWP1285	3.6	10S	7.2	40S	9.9	40S	7.8	40MS	46	78
598	RWP1344	3.5	15S	3.5	20S	10.1	40MS	18.1	40S	57	78
599	LBP-2021-45	1.3	10S	8.3	40S	17.9	60S	12.6	40S	56	78
600	LBP-2021-49	8.5	40S	10.9	40S	10.7	40S	23.1	60S	56	78
600A	Infector	75.0	100S	75.0	80S	75.7	100S	72.5	80S	78	99
601	LBP-2021-51	3.9	15S	1.9	10S	6.9	40S	15.0	40S	57	78
602	LBP-2021-54	3.3	10MS	4.5	20S	9.3	40S	25.4	40S	57	99
603	LBP-2021-56	2.3	10S	5.6	40S	2.7	10MS	13.9	40S	57	89
604	LBP-2021-58	8.4	40S	4.8	30S	3.8	20MS	28.1	40S	67	99
605	DWAP 2131	6.8	20S	1.8	10S	4.3	20MS	16.6	40S	57	78
606	DWAP 2140	9.2	20S	4.5	20S	12.1	40S	5.6	20MS	67	99
607	DWAP 2141	14.8	40S	11.0	40S	15.1	60S	9.5	40S	67	99
608	DWAP 2142	11.5	20S	5.6	20S	3.6	20S	19.9	40S	57	59
609	PBS-IR-LS-02	8.1	20S	2.3	10S	11.5	40S	12.9	40S	46	67
610	PBS-IR-LS-03	7.1	20S	9.5	30S	12.1	40S	16.0	40S	57	89
611	PBS-IR-LS-06	6.6	20S	1.0	10MS	3.4	20S	15.6	40S	56	89
612	PBS-IR-LS-11	0.3	5MR	0.0	R	1.1	10MS	24.3	60S	57	99
613	PBS-IR-LS-12	4.4	20MS	9.8	20S	8.7	40S	11.4	40S	67	99
614	PBS-IR-LS-14	11.8	40S	11.0	30S	13.4	60S	10.4	40S	57	78
615	QYT 2141	10.1	40S	5.0	20S	10.3	60S*	9.2	40S	57	78
616	QYT 2152	9.0	20S	33.5	80S	18.6	40S	21.1	40S	57	99
617	RWP1267	2.3	10S	0.8	5MS	3.6	10MS	13.6	40S	57	78
618	RWP1275	5.3	20S	5.5	15MS	16.7	40S	11.0	40S	47	89
619	RWP1286	10.1	40S	8.5	40S	14.0	40S	34.0	60S	56	79
620	RWP1313	8.5	40S	1.0	10MS	9.0	40S	16.0	40S	57	89
620A	Infector	75.0	100S	72.5	80S	78.6	100S	75.0	80S	78	99

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
621	RWP1314	5.9	20S	2.6	10S	8.0	40S	14.3	40MS	57	89
622	RWP1319	5.8	20S	4.1	20S	9.0	40S	9.8	40MS	57	89
623	RWP1328	4.1	20S	2.5	10S	3.7	20MS	13.1	40S	67	78
624	RWP1347	7.3	40S	5.8	20S	11.5	40S	9.7	40S	67	79
625	LBP2021-29	9.7	20S	2.6	10S	5.9	20MS	17.4	60S	56	78
626	LBP2021-34	3.6	20S	2.1	10S	2.4	5S	10.1	40S	56	78
627	LBP2021-35	3.2	20MS	1.8	10MS	1.0	5S	11.4	40S	57	78
628	LBP2021-38	3.3	20S	6.1	20S	3.3	10S	26.5	60S	46	78
629	LBP2021-39	7.4	20MS	7.2	40S	4.3	10MS	9.0	40S	46	78
630	LBP2021-41	7.9	20S	6.8	30S	8.6	30MS	32.1	60S	57	78
631	DWAP 2153	15.5	40S	15.0	40S	16.9	40S	30.1	60S	57	99
632	DWAP 2158	13.3	40S	5.6	20S	1.1	20MR	7.9	40MS	57	99
633	PBS-RI TS- 02	4.6	15S	2.8	10S	4.1	20S	9.7	40MS	57	99
634	PBS-RI-TS-15	10.8	40S	4.1	20S	10.2	40S	14.1	40S	46	78
635	PBS-RI-TS-16	8.3	20S	3.9	20S	10.9	40S	7.7	40S	46	89
636	QYT2130	7.0	20S	9.6	40S	12.0	40S	3.6	10MS	47	78
637	QYT2139	5.1	20S	1.8	10S	1.4	10MS	18.4	60S	47	89
638	BSP2101	11.0	40S	6.5	20S	5.2	20S	4.1	10MS	57	78
639	BSP2111	5.8	20S	3.6	20S	2.0	10S	12.9	40S	57	99
640	RWP1955	10.5	40S	4.3	10S	5.0	20S	6.4	20MS	56	78
640A	Infector	75.0	100S	77.5	80S	78.6	100S	77.5	80S	78	99
641	RWP1961	4.8	20S	6.8	40S	7.1	20S	9.1	40MS	46	78
642	RWP1998	2.6	10S	3.8	20S	11.5	40S	4.2	10S	56	99
643	RWP2023	3.3	10MS	8.3	20S	8.1	20S	4.8	20S	57	99
644	LBP2201	3.3	10MS	10.3	40S	10.3	40S	1.1	5MS	56	99
645	LBP2202	5.1	20MS	6.8	20S	1.6	5MS	0.1	TS	56	99
646	LBP2203	10.7	40S	11.8	20S	15.9	40S	2.3	5S	57	89
647	LBP2204	11.4	40S	3.6	10S	2.9	20MS	6.1	20S	46	78
648	WAP 2201	4.6	20S	3.0	10S	1.6	5S	14.3	20S	46	99
649	WAP 2202	2.8	10MS	2.3	10S	7.2	40S	3.8	10MS	57	89
650	WAP 2203	9.9	40S	3.5	10S	10.7	40S	6.3	40MS	46	78
651	WAP 2204	12.8	40S	3.5	10S	8.2	40MS	5.9	20S	56	99
652	PBS01	11.0	40S	3.3	10S	9.6	20S	13.6	40S	57	89
653	PBS02	18.3	60S	23.8	60S	9.8	40S	12.9	40S	67	89
654	PBS03	10.8	40S	25.4	60S	23.6	60S	18.6	40S	57	89
655	PBS04	4.8	20S	5.1	20S	8.6	40S	15.0	40S	57	89
656	QYT2201	3.1	10MS	2.3	10S	8.3	40S	17.3	40S	57	78
657	QYT2202	1.8	10MS	2.5	10S	6.3	40S	17.6	40S	57	99
658	QYT2203	4.8	15S	10.4	20S	12.7	40S	23.0	40S	56	99
659	BSP 2201	6.5	20S	3.8	10S	9.0	40S	9.5	40S	57	99
660	BSP 2202	6.9	20S	3.7	10S	0.6	5MR	20.3	40S	57	78
660A	Infector	75.0	100S	77.5	80S	75.7	100S	72.5	80S	78	99
661	BSP 2203	6.9	20S	3.0	10S	13.8	40S	10.3	40S	57	89
	Mahodaya Seeds										
662	Mahodaya - 11	11.9	40S	31.5	80S	21.4	40S	48.5	60S	68	99
	CSAUAT, Kanpur										
663	KA 2201	4.3	10S	1.1	10MS	5.7	40S	15.8	40S	57	89
664	KA 2202	4.4	10S	5.3	20S	4.4	20MS	39.8	60S	57	78
665	KA 2203	3.1	10S	2.3	10S	6.1	20S	27.9	60S	57	89
666	KA 2204	5.3	15MS	4.4	20S	3.1	15MS	28.6	60S	68	78
667	KA 2205	2.9	15MS	5.8	20S	11.4	40S	29.6	60S	57	89
668	KA 2206	2.0	10MS	4.0	10S	11.6	60S*	22.5	40S	57	78
669	KA 2207	1.7	10MS	1.4	10S	9.4	60S*	31.9	60S	56	68
670	KA 2208	1.4	5MS	7.0	20S	10.0	40S	30.1	60S	57	99
671	KA 2209	6.9	20S	8.6	40S	14.1	40S	4.1	10MS	67	89
672	KA 2210	5.9	20S	2.3	10S	11.2	60S*	33.1	60S	57	99
673	KA 2211	5.5	20S	2.1	10S	0.6	5MS	25.3	60S	57	99
674	KA 2212	26.9	40S	11.3	40S	4.0	20S	57.5	80S	68	99
675	KA 2213	0.7	10MR	0.0	R	2.3	20MS	20.8	60S	57	68
676	KA 2214	8.0	20S	5.6	40S	4.6	20S	18.4	60S	56	99
677	KA 2215	8.8	20S	3.3	10S	7.7	20S	43.0	60S	57	99
678	KA 2216	14.9	40S	16.5	40S	7.4	40MS	33.0	60S	57	99

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
679	KA 2217	22.3	40S	16.8	40S	16.9	60S	56.3	80S	57	99
680	KA 2218	5.8	20MS	4.3	20S	1.5	10S	19.1	60S	67	99
680A	Infector	75.0	100S	75.0	80S	75.7	100S	75.0	80S	68	99
681	KA 2219	10.0	20S	13.5	60S	5.7	20S	11.9	40S	57	99
682	KA 2220	4.7	10S	8.9	20S	11.4	40S	19.6	60S	57	78
683	KA 2221	1.3	5S	10.4	30S	4.1	20MS	30.0	60S	67	89
684	KA 2222	0.7	10MR	5.3	20MS	9.7	40MS	27.5	60S	67	99
685	KA 2223	1.5	5MS	2.8	10S	3.7	20S	24.9	60S	67	99
686	KA 2224	13.4	40S	11.1	40S	11.9	60S	11.0	40S	57	99
687	KA 2225	11.4	20S	7.9	20S	6.3	20MS	45.5	60S	57	99
688	KA 2226	9.8	20S	6.8	30S	6.5	40S	10.5	40S	57	99
689	KA 2227	8.4	20S	8.5	30S	10.0	40S	29.8	60S	67	99
690	KA 2228	13.6	40S	13.3	40S	13.6	40S	8.2	20MS	57	99
691	KA 2229	9.8	20S	2.1	10S	2.6	10S	18.5	40S	57	99
692	KA 2230	6.6	20S	4.3	10S	7.1	40S	20.0	40S	57	99
693	KA 2231	10.6	40S	8.6	20S	6.3	20S	17.3	40S	67	99
694	KA 2232	8.0	20S	2.4	10S	4.3	20S	10.8	40S	57	99
695	KA 2233	4.3	20S	2.5	10S	1.2	20MR	21.1	40S	57	99
696	KA 2234	6.7	20S	8.8	30S	5.1	20MS	23.4	60	57	99
697	KA 2235	8.3	20MS	7.1	20MS	7.7	40S	9.1	40S	57	99
	JNKVV, Jabalpur										
698	MP 3583	7.4	20MS	10.3	30MS	8.6	20S	47.5	60S	57	99
699	MP 3584	0.2	TMS	1.8	10S	1.1	10MS	51.3	60S	57	99
700	MP 3585	2.3	10MS	18.0	40S	5.9	20S	5.5	20MS	67	99
700A	Infector	72.5	100S	75.0	80S	77.1	100S	77.5	80S	78	99
701	MP 3586	8.2	20S	7.4	20S	3.7	10MS	43.9	80S	57	99
702	MP 3587	16.4	60S	22.9	60S	19.6	60S	35.8	60S	56	99
703	MP 3588	3.8	10S	16.1	40S	9.3	40S	27.9	60S	57	99
704	MP 3589	2.5	10S	7.3	30S	0.4	5MR	37.9	60S	57	99
705	MP 3590	0.9	5MS	1.0	10MS	1.3	5S	44.5	60S	68	99
706	MP 3591	1.8	5S	7.2	30S	4.3	20S	4.8	10MS	57	99
707	MP 3592	3.4	10S	10.5	20S	5.3	20S	3.8	10S	57	78
708	MP 3593	1.9	5S	9.1	20S	8.6	40S	30.1	60S	57	99
709	MP 3594	2.8	10MS	6.9	20S	1.6	15MR	41.3	60S	57	89
710	MP 3595	6.3	20S	11.5	30S	8.0	40S	37.3	60S	57	89
711	MP 3596	1.6	5S	6.1	20S	9.3	40S	5.9	20S	57	78
712	MP 3597	2.0	10S	11.3	30S	11.0	40S	27.3	60S	56	99
713	MP 3598	4.6	20MS	8.8	20S	15.9	40S	25.5	60S	56	99
714	MP 3599	7.1	40S	13.8	30S	10.7	40S	44.8	80S	67	99
715	MP 3600	8.9	20S	13.5	40S	7.5	20S	46.4	80S	57	78
716	MP 3601	3.3	10S	17.4	40S	17.1	60S	36.8	60S	57	99
717	MP 3602	9.1	40S	20.3	60S	18.9	60S	36.4	60S	57	99
	IARI, New Delhi										
718	IARI-22-1	9.5	40S	7.3	20S	15.6	40S	8.6	20S	57	99
719	IARI-22-2	3.3	10S	5.9	10S	14.3	40S	32.1	60S	67	99
720	IARI-22-3	7.5	20S	8.6	20S	10.7	40S	8.8	30S	67	99
720A	Infector	72.5	100S	72.5	80S	81.4	100S	75.0	80S	78	99
721	IARI-22-4	6.8	20MS	2.4	10S	2.3	10S	3.0	10S	56	99
722	IARI-22-5	12.0	20S	3.6	20S	0.6	10MR	2.3	10MS	56	99
723	IARI-22-6	13.3	60S	5.6	40MR	10.3	40S	3.4	10S	56	89
724	IARI-22-7	11.5	40S	5.6	20S	3.6	20MS	4.2	10S	57	99
725	IARI-22-8	13.5	60S	6.6	20MS	2.7	15MS	2.5	10S	67	89
726	IARI-22-9	17.6	60S	16.3	40S	23.2	60S	7.4	20S	57	78
727	IARI-22-10	30.8	80S	11.5	40S	15.4	80S*	1.2	5MS	57	68
728	IARI-22-11	23.5	80S	10.0	40S	8.6	20S	8.4	20S	56	99
729	IARI-22-12	26.4	80S	6.9	20S	1.5	5MS	8.9	20S	57	99
730	IARI-22-13	5.6	20S	2.8	20S	4.6	20S	11.9	40MS	67	99
731	IARI-22-14	2.1	10S	11.6	40S	19.6	40S	3.1	10MS	56	79
732	IARI-22-15	3.7	15S	3.8	20S	7.8	40S	1.9	15S	57	68
733	IARI-22-16	11.6	40S	7.9	20S	10.6	40S	5.2	15S	46	78
734	IARI-22-17	5.9	10S	14.5	40S	13.7	40S	46.0	80S	57	79
735	IARI-22-18	5.5	20MS	4.3	20S	14.6	40S	28.1	60S	67	99

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
736	IARI-22-19	6.1	20S	5.0	20S	4.1	10S	4.9	20MS	57	67
737	IARI-22-20	7.9	40MR	5.5	40MS	10.7	30S	3.5	10S	67	79
738	IARI-22-21	0.3	5MR	0.1	R	0.3	5MR	39.0	80S	56	67
739	IARI-22-22	1.9	10S	7.7	20S	15.9	60S	39.9	80S	56	79
740	IARI-22-23	4.9	30MS	2.7	20MS	5.7	20S	1.4	10S	57	99
740A	Infector	72.5	100S	80.0	80S	78.6	100S	75.0	80S	78	99
741	IARI-22-24	7.1	20MS	1.9	10S	1.6	5S	3.5	10MS	67	99
742	IARI-22-25	10.0	20S	1.8	10S	1.5	10MS	6.2	20S	56	68
743	IARI-22-26	26.0	60S	14.5	40S	8.4	30S	1.1	5MS	57	76
744	IARI-22-27	6.0	20S	4.6	20S	4.3	20S	4.1	20MS	56	89
745	IARI-22-28	14.9	40S	6.5	20MS	5.1	20S	1.1	5S	57	89
746	IARI-22-29	3.0	10S	10.8	20S	14.3	40S	20.6	60S	57	99
747	IARI-22-30	23.5	60S	4.3	20S	3.3	20MS	9.1	20MS	56	89
748	IARI-22-31	3.0	20MR	0.8	5MS	2.4	15MS	10.4	40S	56	89
749	IARI-22-32	31.8	60S	18.0	60S	27.1	60S	16.9	40S	57	68
750	IARI-22-33	4.0	10S	2.6	10S	1.0	5S	2.7	10S	56	89
751	IARI-22-34	5.8	20S	6.8	30S	5.9	20S	42.4	60S	57	99
752	IARI-22-35	2.6	10S	0.1	TMR	3.3	20MS	57.0	80S	58	79
753	IARI-22-36	2.4	10MS	0.3	5MR	4.3	30S	60.5	80S	67	89
754	IARI-22-37	1.3	5MS	1.8	10MS	1.7	15MS	57.0	80S	78	99
755	IARI-22-38	2.3	20MR	0.7	5MS	2.4	10MS	59.5	80S	67	89
756	IARI-22-39	0.5	5MR	0.3	5MR	1.1	10MS	42.1	80S	57	79
757	IARI-22-40	0.6	5MR	0.9	10MR	0.6	5MR	42.3	80S	57	79
758	IARI-22-41	0.5	10MR	0.0	R	2.3	20MS	52.5	80S	57	79
759	IARI-22-42	0.5	5MS	1.1	5MS	17.9	60S	37.3	60S	68	89
760	IARI-22-43	3.7	10MS	3.8	30S	7.4	30MS	2.6	10MS	57	79
760A	Infector	72.5	100S	77.5	80S	78.6	100S	75.0	80S	78	99
761	IARI-22-44	4.5	20S	3.5	10MS	7.7	20S	10.3	40S	67	89
762	IARI-22-45	4.3	20S	2.3	10S	9.3	40S	25.6	60S	67	79
763	IARI-22-46	3.8	10S	1.0	10MS	3.7	30MS	19.6	60S	57	79
764	IARI-22-47	25.5	60S	5.1	20MS	4.4	20MS	2.5	20S	56	79
765	IARI-22-48	15.8	40S	6.7	20MS	6.1	20S	1.1	5MS	57	89
766	IARI-22-49	3.6	10S	1.8	5MS	4.3	20S	37.0	60S	57	89
767	IARI-22-50	4.9	20S	5.5	20S	2.6	20MS	10.4	40S	57	89
768	IARI-22-51	14.3	60S	4.7	20MS	5.0	20S	1.7	10MS	67	79
769	IARI-22-52	25.4	60S	6.3	20S	4.3	20S	0.5	5MS	56	89
770	IARI-22-53	13.9	80S	5.2	20S	5.3	15MS	1.6	5S	57	79
771	IARI-22-54	12.8	60S	5.6	30S	2.1	10S	1.6	10MS	57	89
772	IARI-22-55	7.8	20S	3.0	20S	2.6	10S	5.6	20MS	68	89
773	IARI-22-56	5.0	15MS	3.3	20S	0.6	5MS	7.2	20S	57	78
774	IARI-22-57	21.3	40S	8.3	30S	0.1	TMR	10.8	40S	56	68
775	IARI-22-58	0.3	5MR	4.5	10S	5.0	20MS	23.0	60S	56	79
776	IARI-22-59	5.3	20S	2.0	10MS	5.4	20S	9.3	40S	57	89
777	IARI-22-60	21.5	80S	3.9	20MS	1.9	10MS	19.0	60S	67	89
778	IARI-22-61	21.3	80S	1.5	10S	3.3	20MS	28.6	60S	57	89
779	IARI-22-62	3.0	10S	1.3	10S	3.7	20MS	3.6	10MS	56	89
780	IARI-22-63	7.5	40S	1.7	10S	0.8	5S	32.3	60S	56	89
780A	Infector	72.5	100S	72.5	80S	81.4	100S	77.5	80S	78	99
781	IARI-22-64	6.3	40S	1.3	20MR	2.3	20MS	2.2	10MS	78	99
782	IARI-22-65	4.2	20S	6.8	20S	5.9	20S	26.8	60S	68	89
783	IARI-22-66	1.6	10MS	2.8	10MS	6.7	20S	18.1	40S	68	79
784	IARI-22-67	9.0	20S	2.1	20MS	14.1	60S	11.1	40S	67	99
785	IARI-22-68	1.0	5MR	0.6	10MR	2.3	20MS	55.8	80S	68	99
786	IARI-22-69	2.0	20MR	0.7	5MR	1.1	10MS	57.5	80S	78	99
787	IARI-22-70	2.1	10MS	0.1	TR	2.1	10S	58.5	80S	78	89
788	IARI-22-71	1.6	10MR	0.3	5MR	3.0	20MS	49.5	80S	67	99
789	IARI-22-72	1.3	10MR	0.1	TR	6.0	40S	47.5	80S	67	99
790	IARI-22-73	2.0	10MR	0.1	TR	4.6	20S	53.5	80S	68	99
791	IARI-22-74	2.4	10MS	1.3	10S	7.1	40S	12.8	40S	57	89
792	IARI-22-75	2.3	10MS	1.8	10S	1.4	20MR	10.2	40S	67	78
793	IARI-22-76	2.5	5MS	4.3	20S	13.7	40S	37.6	80S	67	79
794	IARI-22-77	2.1	15MR	1.3	10S	6.9	40S	33.3	60S	78	99

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
795	IARI-22-78	0.6	5MS	1.8	10MS	0.3	5MR	15.4	40S	67	99
796	IARI-22-79	8.5	20S	9.6	30S	17.5	40S	11.9	40S	67	99
797	IARI-22-80	0.7	5MR	1.3	10S	2.3	10MS	6.1	20MS	67	99
798	IARI-22-81	5.8	10S	1.5	10MS	1.9	5S	19.8	40S	57	79
799	IARI-22-82	3.8	10S	0.5	5MS	2.9	20S	23.0	40S	68	79
800	IARI-22-83	10.3	20S	2.1	10MS	1.4	20MR	25.3	40S	67	99
800A	Infector	67.5	100S	70.0	80S	75.7	100S	75.0	80S	78	99
801	IARI-22-84	4.7	20S	1.3	10S	2.9	20S	3.7	10MS	68	99
802	IARI-22-85	13.1	40S	2.7	10S	0.9	5MS	4.4	10MS	67	99
803	IARI-22-86	8.1	20S	1.0	10MR	0.9	5MS	6.6	20MS	68	79
804	IARI-22-87	6.3	20S	0.8	10MR	1.2	5MS	2.3	10MS	57	89
805	IARI-22-88	3.4	10S	0.3	5MR	1.4	10MS	4.6	10MS	67	89
806	IARI-22-89	11.8	40S	0.4	5MR	6.3	40S	9.6	20MS	68	89
807	IARI-22-90	30.9	60S	15.5	40S	17.7	60S	24.0	40S	67	99
808	IARI-22-91	1.3	10MR	0.2	5R	9.7	40S	38.8	60S	68	89
809	IARI-22-92	0.5	5MR	1.3	10S	1.4	10S	27.3	60S	78	89
810	IARI-22-93	5.1	30S	13.9	40S	12.0	40S	16.4	40S	68	89
811	IARI-22-94	0.5	10MR	0.0	R	7.9	40S	51.3	80S	67	89
812	IARI-22-95	5.8	20S	6.4	20MS	9.6	40S	14.4	40S	57	99
813	IARI-22-96	9.4	20S	1.4	10MS	8.8	40S	7.6	20S	57	79
814	IARI-22-97	17.8	60S	10.8	40S	14.7	60S	40.5	60S	57	89
815	IARI-22-98	8.3	30S	4.8	20MS	12.3	40S	40.5	60S	57	78
816	IARI-22-99	3.5	10S	10.5	20S	5.9	20S	35.0	60S	56	99
817	IARI-22-100	2.8	15S	6.5	20S	13.4	40S	27.3	40S	67	99
818	IARI-22-101	2.0	20MR	0.8	5MR	3.4	20S	20.3	60S	67	99
819	IARI-22-102	4.4	20S	7.6	40S	10.3	40S	13.3	40S	67	99
820	IARI-22-103	3.6	40MR	2.5	10S	5.8	20S	11.1	40MS	67	99
820A	Infector	72.5	100S	72.5	80S	72.9	80S	75.0	80S	78	99
821	IARI-22-104	3.9	20MS	1.9	10S	4.9	30S	5.4	10S	57	89
822	IARI-22-105	0.3	5MR	1.9	10S	9.0	40S	11.3	40S	46	67
823	IARI-22-106	0.4	5MR	1.3	10MS	1.1	20MR	58.5	80S	57	89
824	IARI-22-107	0.0	R	0.0	R	2.3	20MS	55.0	80S	46	67
825	IARI-22-108	6.6	20S	2.6	10MS	7.0	40S	63.0	80S	57	99
826	IARI-22-109	4.8	20S	3.8	10MS	3.5	20S	22.5	40S	68	99
827	IARI-22-110	12.8	40S	3.2	10MS	16.2	60S	5.9	20S	67	89
828	IARI-22-111	4.3	20S	1.9	10MS	13.4	60S	3.6	10S	57	99
829	IARI-22-112	3.9	20S	2.1	10MS	9.3	40S	8.4	20S	57	99
830	IARI-22-113	12.8	40S	2.3	10MS	3.3	20S	5.7	20S	67	89
831	IARI-22-114	6.8	15S	4.5	20MS	7.6	40S	14.3	40S	56	79
832	IARI-22-115	14.1	60S	18.0	40S	12.3	60S*	11.9	40S	67	89
833	IARI-22-116	6.0	20S	18.5	40S	19.6	60S	16.8	40S	56	99
834	IARI-22-117	3.9	15MS	4.3	20MS	10.7	60S*	31.4	60S	57	89
835	IARI-22-118	14.7	60S	4.9	20S	4.1	10S	4.7	10S	57	89
836	IARI-22-119	3.4	10S	6.8	40S	3.1	10MS	22.0	40S	56	99
837	IARI-22-120	9.5	40S	8.0	20S	4.3	20S	13.7	40S	57	99
838	IARI-22-121	22.6	40S	3.4	20MS	6.7	40S	1.2	5M	57	79
839	IARI-22-122	17.0	60S	9.0	30S	8.7	40S	2.6	10MS	68	99
840	IARI-22-123	17.0	60S	13.8	40S	12.4	40S	6.4	20MS	67	99
840A	Infector	70.0	100S	72.5	80S	77.1	80S	75.0	80S	78	99
841	IARI-22-124	8.8	40S	4.5	10S	8.7	20S	2.4	5S	57	99
842	IARI-22-125	9.0	40S	4.9	10S	9.6	40S	5.4	20MS	57	99
843	IARI-22-126	3.9	20S	4.9	10S	15.7	40S	16.6	40S	47	79
844	IARI-22-127	3.9	10S	2.5	10MS	3.6	20S	8.9	20S	46	58
845	IARI-22-128	3.6	20MS	4.5	20MS	5.0	20S	3.1	20MS	46	68
846	IARI-22-129	1.0	5MR	0.4	5MR	0.7	5S	48.0	60S	67	79
847	IARI-22-130	0.6	10R	0.3	5MR	1.4	10S	48.3	80S	68	79
848	IARI-22-131	1.3	10MR	0.1	R	4.7	20S	43.8	80S	68	89
849	IARI-22-132	2.3	20MR	0.1	TR	14.3	60S	67.5	80S	67	89
850	IARI-22-133	1.5	20MR	0.1	R	14.3	80S	2.6	20MS	57	89
851	IARI-22-134	6.6	20MS	3.1	10S	9.1	20S	7.5	20S	56	89
852	IARI-22-135	30.5	80S	30.0	40S	30.0	60S	16.1	40S	57	89
853	IARI-22-136	3.8	10S	18.0	40S	9.7	20S	2.8	10MS	57	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
854	IARI-22-137	2.3	10MS	1.0	10MS	3.7	20S	50.5	80S	67	89
855	IARI-22-138	1.3	5MS	2.3	10S	4.3	20S	4.8	20S	67	89
856	IARI-22-139	9.8	20S	6.5	20S	4.0	20S	3.3	10S	56	79
857	IARI-22-140	29.4	60S	10.3	20S	3.6	20S	9.4	40S	67	89
858	IARI-22-141	13.0	40S	1.0	20MR	1.7	10MS	15.9	40S	56	79
859	IARI-22-142	10.0	20S	9.3	40S	6.4	20S	7.1	20S	56	89
860	IARI-22-143	2.8	10MS	2.3	10MS	4.9	20S	15.5	40S	57	79
860A	Infector	70.0	100S	77.5	80S	81.4	100S	72.5	80S	79	99
861	IARI-22-144	8.0	20S	10.8	20S	8.4	40S	3.4	10S	56	89
862	IARI-22-145	2.2	10S	1.3	10MS	2.0	10S	9.4	20MS	57	99
863	IARI-22-146	16.3	40S	19.8	30S	24.4	80S	11.5	40S	57	89
864	IARI-22-147	12.3	40S	9.5	20S	14.1	60S	8.1	40S	56	99
865	IARI-22-148	5.1	30MS	4.0	20S	7.3	40S	8.2	20S	56	89
866	IARI-22-149	4.4	20S	0.5	5MS	1.5	10S	4.4	10S	57	89
867	IARI-22-150	9.3	20S	7.5	20S	9.3	40S	11.3	40MS	46	79
868	IARI-22-151	4.3	20S	6.8	20MS	7.7	20S	4.4	15S	56	89
869	IARI-22-152	3.8	10S	1.8	10MS	1.6	10S	18.5	60S	57	89
870	IARI-22-153	3.1	10MS	3.5	10MS	7.6	40S	17.9	40S	67	99
871	IARI-22-154	9.0	40S	10.9	40S	18.6	40S	1.8	10S	68	89
872	IARI-22-155	6.3	20S	3.9	10S	14.4	40S	7.6	20S	68	99
873	IARI-22-156	1.0	10MR	0.1	TR	5.0	30S	0.6	5S	67	89
874	IARI-22-157	1.5	20MR	0.6	5MS	1.1	10MS	17.4	60S	57	68
875	IARI-22-158	26.8	80S	18.3	60S	11.3	60S*	9.9	60S	68	89
876	IARI-22-159	19.8	40S	10.0	20S	12.6	40S	7.5	20S	57	89
877	IARI-22-160	7.9	20S	3.7	20S	9.3	40S	0.6	5MS	46	99
878	IARI-22-161	3.1	10S	2.0	10S	3.1	20S	14.8	40S	56	89
879	IARI-22-162	6.4	20S	9.6	20S	7.6	40S	31.0	60S	67	79
880	IARI-22-163	13.4	40S	15.8	80S	8.4	40S	4.5	20S	67	89
880A	Infector	70.0	100S	72.5	80S	78.6	100S	75.0	80S	78	99
881	IARI-22-164	14.0	60S	5.9	30S	2.3	10S	1.2	10MS	57	79
882	IARI-22-165	11.3	40S	9.0	40S	3.0	20MR	4.4	15S	57	89
883	IARI-22-166	4.3	20S	1.5	10MS	4.9	20MS	30.5	60S	67	89
884	IARI-22-167	2.4	10S	1.2	5S	3.4	30MS	25.6	60S	57	79
885	IARI-22-168	2.5	5S	5.1	20S	8.3	40S	20.1	40S	57	68
886	IARI-22-169	3.4	10S	6.0	20MS	8.0	40S	38.5	80S	57	68
887	IARI-22-170	4.3	20MS	4.1	10S	6.4	40S	7.9	20S	56	89
	PAU, Ludhiana										
888	WBL1342	8.8	20MS	4.3	20S	2.9	20S	3.6	10MS	46	68
889	WBL1393	6.4	15S	4.2	20MS	0.7	5S	1.1	5MS	56	99
890	WBL1406	6.9	10MS	4.4	20MS	1.4	10S	0.1	TS	57	79
891	WBL1410	5.0	20S	0.6	5MS	1.4	10MS	0.6	5S	46	67
892	WBL1436	23.5	40S	5.5	20S	5.7	30S	2.1	20MS	46	68
893	WBL1441	19.5	40S	11.1	20MS	7.1	20S	6.3	20S	46	79
894	WBL1442	16.8	40S	7.3	20MS	4.7	20S	3.0	20S	57	79
895	WBL1445	30.8	60S	9.5	20S	10.3	40S	2.1	10S	56	89
896	WBL1460	22.5	40S	10.9	20S	16.9	80S	0.5	5MS	57	89
897	WBL1464	8.9	20S	22.8	40S	10.6	40S	1.0	5MS	56	89
898	WBL1465	21.3	40S	12.3	40S	23.6	80S	1.0	5MS	57	79
899	WBL1466	6.9	20MS	16.6	40S	23.1	60S	1.0	5MS	56	99
900	WBL1467	5.4	20MS	21.9	40S	27.0	60S	6.0	40S	67	89
900A	Infector	70.0	100S	75.0	80S	78.6	100S	75.0	80S	78	99
901	WBL1468	10.4	40S	24.6	60S	17.7	60S	2.6	10S	57	89
902	WBL1470	8.8	40S	26.4	40S	28.6	80S	2.5	10S	57	79
903	WBL1471	7.4	20MS	24.0	60S	31.4	80S	1.4	10S	46	89
904	WBL1472	8.6	20S	27.0	40S	24.6	60S	2.4	10S	46	79
905	WBL1482	6.4	20MS	8.5	20S	1.9	5S	3.3	20S	46	68
906	WBL1483	7.5	20MS	6.3	20S	4.3	20S	0.1	5R	57	79
907	WBL1484	8.0	20S	3.0	20MS	7.1	40S	3.9	20S	57	89
908	WBL1485	15.9	40S	8.5	40S	2.9	20MR	0.7	5S	57	89
909	WBL1487	11.0	20S	2.0	10S	1.5	10MS	0.3	5MR	57	89
910	WBL1488	14.3	40S	13.3	20S	14.7	60S	2.5	10S	56	68
911	WBL1489	11.0	20S	11.5	20S	16.9	80S	1.1	10MS	57	99

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
912	WBL1490	12.4	20S	16.1	20S	12.0	40S	3.1	20S	56	78
913	WBL1494	11.5	20S	2.0	10MS	0.6	5MS	0.6	5MS	56	89
914	WBL1496	10.9	20MS	3.0	20MS	1.0	5S	1.6	10S	46	79
915	WBL1499	27.5	60S	20.0	60S	20.3	60S	8.0	20S	56	89
916	WBL1511	9.8	20S	18.8	40S	11.7	40S	2.1	10MS	56	68
917	WBL1512	10.0	20S	7.3	40S	4.1	20S	1.1	10MS	56	68
918	WBL1513	8.6	20S	6.8	20S	2.9	20S	2.3	10S	46	79
919	WBL1514	13.0	40S	16.2	60S	15.3	40S	2.0	10MS	56	79
920	WBL1515	9.3	20S	19.0	40S	12.6	40S	1.4	10MS	56	68
920A	Infector	75.0	100S	77.5	80S	80.0	100S	75.0	80S	78	99
921	WBL1516	14.0	40MS	7.5	20MS	4.0	20S	0.8	5MS	57	78
922	WBL1517	13.6	40S	3.7	20MS	3.1	20S	4.0	20MS	46	67
923	WBL1518	28.9	60S	18.9	80S	21.4	60S	6.1	20S	56	89
924	WBL1519	24.5	40S	7.2	20S	7.1	40S	6.6	20S	57	78
925	WBL1520	7.5	20MS	2.3	10MS	0.6	5MR	2.2	10MS	57	79
926	WBL1521	7.0	20S	3.0	10S	0.6	10MR	0.0	0	57	99
927	WBL1522	8.1	20S	4.1	20S	2.8	10S	1.2	5S	67	79
928	WBL1523	11.3	40S	8.8	20S	4.0	10S	0.1	TS	46	57
929	WBL1524	4.5	40MR	0.5	10MR	1.3	5S	0.0	0	57	67
930	WBL 1686	25.0	40S	1.2	5S	1.7	10MS	2.6	10S	46	89
931	WBL 1728	29.5	60S	3.8	20MS	2.0	10S	1.6	10MS	57	89
932	WBL 1746	2.8	10S	0.3	5MR	1.6	5S	1.2	5S	57	89
933	WBL 1871	5.6	10S	3.9	20M	0.3	5MR	5.0	20MS	57	79
934	WBL 1932	10.9	40MS	9.0	20S	6.6	20S	1.7	10MS	57	79
935	WBL 1934	6.9	10S	5.2	20S	5.1	20S	1.0	5MS	46	79
936	WBL 1935	4.3	10S	10.8	40S	6.3	20S	0.0	0	46	68
937	WBL 1939	9.5	20S	4.0	10MS	10.9	60S	2.9	20MS	56	79
938	WBL 1942	10.3	20S	1.5	10S	8.0	40S	2.1	10S	46	68
939	WBL 1981	13.8	40S	1.3	10S	0.3	5MR	0.1	TS	46	78
940	WBL 1992	9.9	40MS	21.3	40S	15.6	40S	1.1	10MS	46	89
940A	Infector	72.5	100S	75.0	80S	75.7	80S	77.5	80S	78	99
941	WBL 1994	10.1	20S	8.1	20S	10.0	40S	3.1	10MS	57	89
942	WBL 2001	6.6	20S	10.9	40S	2.9	10S	0.8	5S	56	79
943	WBL 2034	2.8	10S	0.5	5MS	1.1	10MS	0.0	0	46	79
944	WBL 2039	3.3	20MS	5.0	20MS	2.3	15MS	0.0	0	56	89
945	WBL 2040	7.5	20S	38.0	80S	37.7	60S	0.4	5MR	57	99
946	WBL 2074	6.1	20MS	6.6	20S	17.7	60S	5.9	10S	57	99
947	WBL 2095	6.6	20S	5.3	20S	2.7	10MS	4.8	10MS	56	89
948	WBL 2109	17.3	60S	25.0	80S	54.3	80S	3.2	20S	67	99
949	WBL 2111	5.1	20MS	4.8	20S	1.9	10MS	1.0	5MS	56	89
950	WBL 2112	6.3	20MS	3.8	20MS	7.1	40S	0.5	5MS	56	89
951	WBL 2113	4.5	10S	4.3	20S	0.9	5MS	3.3	10S	47	79
952	WBL 2114	7.4	20MS	6.0	20S	2.5	10MS	2.1	15S	47	79
953	WBL 2115	3.8	10MS	5.8	20MS	5.6	20S	1.2	10MS	47	89
954	WBL 2116	22.6	40S	7.2	20S	1.8	10MS	6.0	20S	57	68
955	WBL 2117	12.3	30S	2.0	20MS	0.0	R	3.2	10S	46	67
956	WBL 2451	7.3	20S	27.6	60S	15.4	40S	0.6	5MS	67	89
957	WBL 2452	0.8	10MR	3.8	20S	2.9	20S	1.3	10S	57	68
958	WBL 2453	0.8	5MR	1.3	10MS	3.1	10S	0.1	TS	57	79
959	WBL 2454	2.1	20MR	4.5	15MS	2.7	10S	3.1	10MS	57	68
960	WBL 2455	4.9	15MS	1.9	10S	1.0	5S	2.2	5S	57	99
960A	Infector	72.5	100S	75.0	80S	77.1	100S	70.0	80S	78	99
961	WBL 2456	3.7	40MR	2.0	20MS	6.6	20S	1.1	5MS	57	79
962	WBL 2457	4.3	20MS	10.1	20S	15.9	60S	2.1	10MS	57	79
963	WBL 2458	9.3	30MS	5.8	20MS	3.6	20S	9.9	40S	68	78
964	WBL 2459	4.4	20S	4.4	20MS	4.0	20S	4.8	20MS	57	79
965	WBL 2460	16.4	60S	12.3	20S	28.6	40S	7.6	20MS	57	79
966	WBL 2461	11.5	40MS	15.0	20S	17.0	40S	9.2	40S	57	89
967	WBL 2462	6.9	40MS	1.9	10S	1.6	10S	6.9	20S	57	79
968	WBL 2463	16.0	40S	7.3	20MS	11.3	40S	10.1	40S	57	79
969	WBL 2464	12.0	30S	6.8	20S	8.9	40S	8.7	20S	57	89
970	WBL 2465	11.0	30S	3.5	20S	2.6	10S	3.7	10S	56	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
971	WBL 2466	1.4	20MR	5.2	30S	5.9	20S	2.4	10MS	46	79
972	WBL 2467	6.1	20MS	12.5	40S	19.6	40S	3.0	10S	47	79
973	WBL 2468	3.5	10MS	3.3	10S	6.4	40S	3.6	20S	57	89
974	WBL 2469	0.7	5MS	0.0	R	8.6	60S*	2.9	10S	58	89
975	WBL 2470	15.6	60S	8.5	40S	7.9	40S	4.3	10MS	57	89
976	WBL 2471	4.0	10S	2.2	10MS	1.6	10MS	4.0	10MS	57	89
977	WBL 2472	7.8	30MS	3.4	20S	2.3	10S	8.1	20S	57	89
978	WBL 2473	10.0	40S	3.6	20S	5.8	40S	6.0	10S	56	89
979	WBL 2474	8.6	40S	1.3	10MS	5.7	40S	0.8	5S	56	99
980	WBL 2475	27.0	80S	22.3	60S	27.1	40S	14.1	40S	57	89
980A	Infector	72.5	100S	75.0	80S	78.6	100S	77.5	80S	78	99
981	WBL 2476	4.9	10S	7.5	30S	6.4	20S	8.3	20S	57	89
982	WBL 2477	6.0	20MS	19.8	40S	22.3	60S	10.4	40MS	57	89
983	WBL 2478	6.3	20S	6.8	20MS	3.8	20MS	6.1	20MS	57	89
984	WBL 2479	24.8	60S	3.1	10S	0.3	5MR	0.6	5MS	57	78
985	BWL 7349	10.8	40S	2.3	10MS	0.3	5MR	15.6	60S	57	78
986	BWL 7742	5.6	20MS	4.0	20MS	2.6	10MS	6.0	20MS	57	78
987	BWL 8194	18.3	60S	3.3	20MS	2.9	20MS	3.8	10S	57	79
988	BWL 8667	19.9	60S	7.0	20MS	0.3	5MR	22.8	60S	57	79
989	BWL 9941	3.9	20S	2.5	10S	0.8	5S	3.5	10MS	57	89
990	BWL 9992	9.9	20S	3.3	20MS	3.3	10S	6.6	20MS	57	89
991	BWL 9994	16.0	40S	4.1	20S	6.0	40S	4.4	10MS	57	89
992	BWL 10001	11.3	40S	4.3	30S	6.5	40S	3.3	10MS	56	99
993	DW590	16.0	60S	4.3	20MS	1.9	10S	1.1	5MS	57	79
994	DW591	30.0	60S	4.3	20MS	5.7	40S	2.2	10MS	57	68
995	DW592	14.8	60S	3.5	20MS	6.9	40S	1.8	5S	67	79
996	DW593	16.5	60S	2.7	10S	18.4	80S	0.2	TS	57	78
997	WBL1454	7.4	20S	32.0	80S	20.7	60S	1.7	5MS	57	79
998	WBL1455	18.5	40S	7.5	40S	17.3	80S	10.2	40S	57	68
999	WBL1473	8.2	20S	26.5	60S	23.6	60S	1.1	10MS	56	79
1000	WBL1480	8.0	20MS	3.0	20MS	5.7	40S	0.1	TS	56	68
1000A	Infector	72.5	100S	75.0	80S	75.7	100S	75.0	80S	78	99
1001	WBL1481	16.4	60S	4.5	40MS	1.6	5S	9.7	40S	56	79
1002	WBL1492	9.5	20S	1.0	10MS	0.6	10MR	1.2	10MS	56	89
1003	WG2604	19.5	40S	5.2	10S	1.3	5S	20.6	40S	56	89
1004	WG2607	14.0	40S	3.3	10MS	0.3	5MR	5.2	20MS	46	58
1005	WG2612	7.0	20MS	5.2	20MS	2.3	10S	2.4	10S	57	89
1006	WG2619	9.1	20S	4.3	20MS	1.1	10MS	5.1	20MS	56	78
1007	WG2633	4.3	10S	4.1	20MS	7.3	40S	14.6	40S	57	89
1008	WG2636	13.0	40S	8.3	20S	7.6	40S	15.7	40S	57	79
1009	WG2637	9.5	20S	4.5	20S	2.9	5S	16.0	40S	57	89
1010	WG2648	5.0	10S	2.8	10S	6.7	40S	3.8	10S	57	79
1011	WG2650	8.8	20S	4.6	20S	0.6	5MS	6.4	20MS	56	89
1012	WG2671	9.6	20S	8.6	40S	4.1	20S	2.3	5S	46	68
1013	WG2702	17.6	40S	6.7	20S	1.3	10MS	1.8	5S	56	79
1014	WG2707	3.9	10S	3.1	20S	1.1	10MR	5.0	10S	56	78
1015	WG2727	6.0	20S	4.1	10S	0.3	5MR	1.1	5MS	57	79
1016	WG2728	9.6	20S	6.0	20MS	0.6	5MR	0.4	5MR	57	68
1017	WG2731	8.5	20S	5.6	20S	5.6	20S	2.6	10MS	57	79
1018	WG2764	7.9	40MS	3.3	10S	5.4	20S	14.1	40S	47	79
1019	WG2793	13.3	20S	8.3	40S	13.5	40S	11.9	40S	46	67
1020	WG3052	14.1	40S	2.4	15MS	5.7	40S	2.7	20MS	56	79
1020A	Infector	75.0	100S	80.0	80S	78.6	100S	75.0	80S	78	99
1021	WG3053	33.8	80S	19.0	40S	4.3	20S	1.6	10MS	57	79
1022	WG3054	12.9	40S	3.5	20S	1.9	10MS	6.9	40S	57	79
1023	WG3055	8.5	20S	5.3	20MS	1.1	10MS	1.1	5MS	57	68
1024	WG3056	8.3	20S	7.5	20S	3.1	20MS	1.6	10MS	68	79
1025	WG3057	11.8	40S	5.4	20MS	9.9	20S	0.6	5MS	56	89
1026	WG3058	6.2	20S	5.0	20S	15.7	40S	10.2	40MS	56	79
1027	WG3059	15.6	40S	7.9	20S	17.0	60S	7.5	20MS	56	89
	IWBR, Projects										
1028	RWP1397	4.0	20S	1.3	10MS	4.1	20S	0.1	TS	56	79

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
1029	RWP1939	6.1	20S	3.6	20S	0.9	5S	14.1	40S	56	79
1030	RWP1944	1.6	10MS	2.8	20S	9.3	40S	10.9	40S	57	79
1031	RWP2020	6.5	20S	2.6	10S	5.5	20S	2.5	10S	67	79
1032	RWP2024	7.8	40S	3.3	20S	3.0	10MS	4.9	10S	57	89
1033	RWP2030	6.0	20S	4.4	20S	0.3	5MR	9.6	40MS	56	79
1034	RWP2036	10.8	20S	8.8	20S	12.9	40S	10.5	40MS	67	79
1035	RWP1521	12.9	20S	12.8	20S	22.1	60S	4.8	20MS	57	79
1036	WAP2205	13.5	40S	11.0	20S	7.3	20S	8.2	20MS	57	89
1037	WAP2206	0.7	10MR	0.3	10R	2.9	20S	4.9	20MS	57	89
1038	WAP2207	2.5	10S	1.5	10S	0.3	5MR	0.6	5S	57	89
1039	WAP2208	5.6	20S	8.3	20S	5.7	20S	2.5	10S	56	79
1040	WAP2209	4.4	10S	5.6	20S	20.8	40S	9.1	40MS	46	89
1040A	Infector	75.0	100S	75.0	80S	78.6	100S	75.0	80S	78	99
1041	WAP2210	5.1	10S	5.9	20S	7.9	20S	10.9	40MS	67	79
1042	WAP2211	9.1	20S	1.8	10S	0.6	10MR	6.6	20MS	57	79
1043	WAP2212	7.8	20S	0.0	R	5.7	15S	7.5	20S	56	79
1044	BRNS1	11.3	40S	2.5	20MS	2.4	10S	11.4	20S	46	68
1045	BRNS2	7.3	20MS	20.6	40S	26.4	60S	14.1	40S	57	78
1046	BRNS3	12.3	20MS	13.0	20S	7.1	40S	19.8	40S	56	78
1047	BRNS4	7.5	20S	13.8	20S	19.3	60S	12.6	40MS	57	78
1048	BRNS5	7.3	20S	1.8	10S	2.3	10S	8.9	20S	56	78
1049	BRNS6	7.5	20S	2.6	20S	8.0	40S	4.2	20MS	57	78
1050	BRNS7	13.1	40S	22.5	40S	28.9	60S	12.3	40MS	57	99
1051	BRNS8	10.9	20S	9.5	20S	11.9	40S	11.9	40MS	57	78
1052	BRNS9	11.0	20S	7.0	30S	9.5	20S	4.6	20MS	67	89
1053	BRNS10	7.3	20S	10.5	30S	18.4	40S	7.5	20MS	57	78
1054	BRNS11	9.4	20S	8.2	40S	10.3	40S	9.9	40MS	57	78
1055	BRNS12	10.8	40S	13.9	30S	15.3	40S	7.5	20S	46	78
1056	BRNS13	8.0	20S	13.9	40S	8.3	40S	32.1	60S	57	99
1057	BRNS14	14.8	60S	18.8	40S	22.7	80S	12.4	40MS	57	78
1058	BRNS15	7.9	20MS	15.3	40S	16.4	60S	11.3	40MS	57	89
1059	BRNS16	7.1	10S	21.1	40S	9.1	20S	7.4	20MS	57	78
1060	BRNS17	11.8	40S	23.0	60S	15.1	40S	14.5	40MS	57	89
1060A	Infector	72.5	100S	77.5	80S	80.0	100S	77.5	80S	78	99
1061	BRNS18	9.8	20S	20.8	40S	20.0	40S	5.3	20MS	67	89
1062	BRNS19	9.8	20S	18.9	40S	15.0	40S	10.2	40MS	57	99
1063	BRNS20	7.8	20S	12.5	40S	9.2	40S	30.8	80S	46	68
1064	BRNS21	6.3	20S	11.0	40S	17.0	60S	11.5	40MS	46	78
1065	BRNS22	15.6	40S	9.1	20S	11.7	60S*	10.0	40MS	67	89
1066	BRNS23	14.5	60S	19.8	60S	17.6	80S	8.5	40MS	67	89
1067	BRNS24	8.6	20S	13.6	40S	11.7	20S	17.1	60S	57	89
1068	BRNS25	11.3	40S	18.8	40S	16.0	40S	11.8	40MS	57	89
1069	BRNS26	8.9	20S	11.8	20S	17.9	60S	7.6	40MS	57	89
1070	BRNS27	6.9	20S	10.3	20S	24.9	60S	14.6	40S	57	79
1071	BRNS28	8.5	20S	11.1	20S	11.0	40S	30.8	60S	56	89
1072	BRNS29	13.1	60S	20.0	60S	15.4	40S	9.3	40MS	57	89
1073	BRNS30	5.4	10S	15.0	40MS	9.3	40S	8.6	40MS	56	89
1074	BRNS31	7.3	20S	16.8	40S	11.4	40S	11.4	40MS	56	89
1075	BRNS32	17.0	60S	11.5	20S	20.0	80S	9.8	40MS	57	89
1076	BRNS33	11.3	40S	12.3	30S	16.4	40S	6.1	20MS	67	89
1077	BRNS34	18.8	60S	11.9	20S	19.4	80S	12.0	40MS	67	89
1078	BRNS35	7.5	20S	15.4	40S	15.9	60S	6.1	20MS	67	89
1079	BRNS36	10.0	20S	11.8	40S	13.0	40S	5.9	20MS	67	89
1080	BRNS37	12.9	40S	20.5	40S	16.4	60S	11.3	40MS	57	89
1080A	Infector	70.0	100S	75.0	80S	75.7	100S	72.5	80S	78	99
1081	BRNS38	16.9	40S	12.1	20S	19.0	60S	9.9	40S	67	99
1082	BRNS39	11.6	20S	6.9	20S	4.6	20S	15.3	60S	57	78
1083	BRNS40	6.0	20MS	5.3	20S	2.9	20S	17.5	40S	57	78
1084	BRNS41	6.5	20S	3.3	20S	0.7	5S	26.8	60S	57	79
1085	BRNS42	12.3	40S	2.8	10S	1.0	5S	13.5	40MS	57	99
1086	BRNS43	9.4	60S*	3.6	20S	2.0	5S	17.0	40S	67	78
1087	BRNS44	7.8	20S	9.5	20S	13.9	40S	21.8	60S	57	68

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
1088	BRNS45	9.1	60S*	9.9	60S	4.1	20S	10.8	60S	56	78
1089	BRNS46	12.8	60S	7.4	30S	12.4	60S	3.9	10S	56	78
1090	BRNS47	6.9	20S	3.3	20S	4.3	20S	3.1	10MS	46	78
1091	BRNS48	7.8	20S	3.0	20S	1.6	5S	2.6	10S	46	67
1092	NE IPPSN22-1	5.3	20S	2.8	15MS	0.3	5MR	8.7	40MS	57	78
1093	NE IPPSN22-2	17.8	40S	12.3	30S	4.3	20S	0.6	5MS	67	78
1094	NE IPPSN22-3	10.9	20S	11.5	20S	7.8	40S	3.4	10MS	57	79
1095	NE IPPSN22-4	6.9	20S	4.1	10S	0.1	TMR	6.4	40S	56	89
1096	NE IPPSN22-5	2.0	10MS	2.4	10S	1.9	10MS	0.1	TS	46	79
1097	NE IPPSN22-6	12.2	30S	9.5	20S	5.6	20S	0.6	5MS	46	68
1098	NE IPPSN22-7	12.5	40S	13.0	30S	6.4	20S	1.2	5S	57	78
1099	NE IPPSN22-8	4.7	20S	3.8	15MS	1.3	5S	1.6	5S	57	89
1100	NE IPPSN22-9	16.3	40S	22.3	60S	14.1	40S	0.6	5S	46	89
1100A	Infector	72.5	100S	77.5	80S	78.6	100S	75.0	80S	78	99
1101	NE IPPSN22-10	10.1	40S	18.0	40S	17.3	40S	1.7	10MS	57	99
1102	NE IPPSN22-11	20.0	60S	9.5	20S	10.4	40S	11.3	60S	58	68
1103	NE IPPSN22-12	9.2	20S	6.9	20S	4.6	20S	7.5	20S	56	89
1104	NE IPPSN22-13	11.0	40S	10.5	40S	20.7	80S	7.0	20MS	67	78
1105	NE IPPSN22-14	8.8	40S	7.8	20S	1.8	10S	12.3	40MS	57	89
1106	PBS IPPSN22 -01	3.4	10MS	3.9	10S	0.3	5MR	19.1	40S	67	99
1107	PBS IPPSN22 -02	14.8	40S	11.3	20S	29.3	60S	19.5	40S	56	99
1108	PBS IPPSN22 -03	9.1	40S	4.4	20MS	7.9	20S	7.9	40MS	68	68
1109	PBS IPPSN22 -04	0.8	10MR	11.8	40MS	17.3	40S	14.4	30S	68	89
1110	PBS IPPSN22 -05	4.1	20MS	2.3	10MS	3.1	10S	4.7	20S	56	89
1111	PBS IPPSN22 -06	20.1	40S	11.4	20S	14.1	40S	26.0	40S	57	89
1112	QLT 01	5.5	20S	5.1	10S	9.9	40S	13.3	60S	56	89
1113	QLT 02	5.3	20MS	5.4	20MS	3.0	10S	3.8	20MS	67	89
1114	QLT 03	7.4	20S	5.9	20S	6.3	40S	6.0	40MS	57	89
1115	QLT 04	8.3	40S	5.0	10S	8.9	40S	8.8	40S	67	89
1116	QLT 05	5.1	20S	6.3	20MS	13.3	60S	32.5	60S	56	78
1117	QLT 06	1.8	10MS	10.0	20S	20.3	60S	26.3	40S	46	78
1118	QLT 07	12.9	40S	3.7	10S	0.0	R	26.8	40S	47	78
1119	QLT 08	7.3	20MS	3.7	20MS	8.3	40S	39.0	60S	57	78
1120	QLT 09	5.9	20S	6.0	20S	2.1	10MS	14.0	40S	57	89
1120A	Infector	72.5	100S	77.5	80S	75.7	100S	72.5	80S	78	99
1121	QLT 10	2.4	10MS	9.3	40S	4.3	30S	35.8	60S	67	99
	BioSeeds										
1122	BW19R9057	6.4	10S	14.8	40S	20.7	40S	48.5	80S	67	99
1123	BW20R	2.7	10S	7.4	20S	9.1	40S	4.4	10S	67	89
	CSSRI, Karnal (SATSN)										
1124	KRL 2101	2.8	10S	1.6	10MS	5.7	40S	6.4	20S	46	67
1125	KRL 2105	0.5	5MR	1.5	10MS	1.5	10S	10.8	30S	56	78
1126	KRL 2106	5.9	20MS	0.3	5MR	0.3	5MR	3.9	10S	57	89
1127	KRL 2112	20.5	60S	9.8	20S	1.0	5MS	5.0	15S	57	99
1128	KRL 2114	14.5	40S	3.4	20MS	6.1	20S	5.9	20MS	46	67
1129	KRL 2201	16.8	60S	15.0	60S	9.5	40S	16.4	60S	57	99
1130	KRL 2202	7.1	20S	6.1	20MS	6.1	40S	15.8	60S	57	99
1131	KRL 2203	15.5	40S	14.8	40S	10.7	60S*	12.6	40S	67	78
1132	KRL 2204	1.0	10MR	4.0	20S	12.1	40S	24.0	40S	57	89
1133	KRL 2205	10.5	20S	5.8	20MS	9.4	40S	11.4	40S	57	89
1134	WBL 2305	20.8	40S	2.3	10S	1.4	10S	3.3	20MS	46	89
1135	WBL 2306	9.8	40S	20.5	40S	37.1	80S	3.1	20MS	46	68
1136	WBL 2307	9.3	20S	30.0	60S	40.0	80S	1.9	15S	57	78
1137	WBL 2308	9.1	20S	4.0	20S	1.4	10S	1.3	5MS	57	78
1138	WBL 2309	12.5	40S	3.5	20MS	1.5	5S	4.5	20S	57	89
1139	KRL 210	29.9	60S	19.5	60S	37.1	80S	7.4	20S	78	99
1140	Kh.65	24.4	60S	33.5	80S	34.3	60S	53.6	80S	67	99
1140A	Infector	75.0	100S	75.0	80S	78.6	100S	75.0	80S	78	99
1141	DBW 187	7.3	20S	2.8	10S	8.0	20S	7.3	20MS	56	99
	VPKAS, Almora										
1142	VW2201	5.9	20MS	6.8	20S	11.6	40S	2.3	5S	67	89
1143	VW2203	2.1	10MS	11.0	40MS	16.9	40S	14.1	40S	67	78

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
1144	VW2204	4.1	10S	5.8	20MS	10.7	20S	7.1	20S	57	89
1145	VW2205	0.9	10MR	0.3	5MR	4.3	20S	15.0	40S	56	78
1146	VW2208	16.8	60S	13.1	40S	17.9	40S	3.4	20MS	67	89
1147	VW2210	8.1	20S	11.0	40S	27.1	60S	3.8	20S	56	89
1148	VW2213	10.4	40S	1.0	5MS	4.3	10S	3.9	20MS	56	78
1149	VW2214	7.3	30S	5.0	20MS	9.4	20MS	7.6	20S	56	89
1150	VW2215	33.0	80S	35.0	60S	37.7	80S	2.1	10S	67	89
1151	VW2217	27.5	60S	23.4	80S	28.4	80S	7.1	20S	67	89
1152	VW2218	2.5	10S	4.1	20S	4.2	20S	7.0	20S	57	68
1153	VW2219	19.3	60S	15.0	60S	20.1	60S	3.1	20MS	57	89
1154	VW2220	10.5	60S	8.8	20MS	10.6	40S	10.2	40S	57	89
1155	VW2221	5.0	20S	3.0	15MS	5.0	10S	1.4	10MS	67	89
1156	VW2223	4.0	10S	11.9	40S	10.0	40S	6.1	20S	67	89
1157	VW2228	19.0	40S	4.6	10S	12.5	40S	8.9	40S	67	89
1158	VW2230	18.3	80S	16.1	60S	16.1	40S	3.2	20S	57	89
1159	VW2232	6.9	40S	1.3	10MS	10.1	60S*	4.5	20MS	57	89
1160	VW2236	12.1	60S	3.5	10S	10.7	40S	0.6	5S	46	78
1160A	Infector	72.5	100S	77.5	80S	80.0	100S	72.5	80S	78	99
1161	VW2237	3.5	10S	3.5	20MS	9.6	40S	5.6	30S	57	89
1162	VW2238	4.7	20S	4.3	20MS	15.0	40S	7.4	20MS	57	89
1163	VW2239	2.3	10MS	4.2	20MS	4.4	20S	5.6	15S	67	89
1164	VW2240	2.1	10MS	3.0	20MS	5.0	20S	20.3	60S	47	68
1165	VW2241	4.5	20S	4.2	20MS	5.1	20S	3.1	20S	57	67
1166	VW2242	7.3	40S	4.0	20MS	12.1	40S	2.4	10S	67	78
	BHU, Varanasi										
1167	HUWL2201	21.3	60S	0.0	R	0.6	10MR	41.0	60S	46	67
1168	HUWL2202	12.3	40S	0.0	R	0.3	5MR	26.3	60S	57	68
1169	HUWL2203	16.0	60S	0.0	R	9.3	40S	19.7	60S	57	79
1170	HUWL2204	4.3	20S	0.0	R	6.0	40S	42.3	80S	68	99
1171	HUWL2205	7.1	40MS	25.5	60S	26.9	60S	2.3	10S	68	99
1172	HUWL2206	19.3	40S	22.9	40S	42.9	60S	1.6	5S	57	99
1173	HUWL2207	7.3	20MS	2.0	10MS	0.9	10MR	14.5	40S	57	78
1174	HUWL2208	5.3	20S	0.8	5MS	0.3	5MR	19.6	40S	57	89
1175	HUWL2209	9.1	20S	30.6	60S	26.4	60S	39.1	80S	57	89
1176	HUWL2210	8.8	20S	5.9	20MS	9.4	40S	25.3	60S	47	78
1177	HUWL2211	8.4	20S	4.4	20S	10.5	40S	21.0	40S	57	78
1178	HUWL2212	10.3	40S	3.3	10S	12.1	40S	4.2	15S	57	89
1179	HUWL2213	15.5	60S	25.0	60S	12.9	40S	4.9	20MS	57	78
1180	HUWL2214	11.4	40S	6.5	20S	15.6	60S	8.0	20MS	68	89
1180A	Infector	75.0	100S	80.0	80S	78.6	100S	75.0	80S	68	99
1181	HUWL2215	31.5	80S	22.3	40S	23.4	60S	44.3	80S	67	89
1182	HUWL2216	11.8	40S	15.0	40S	15.7	60S	40.3	80S	68	78
1183	HUWL2217	12.0	40S	22.9	60S	25.1	60S	35.8	60S	57	68
1184	HUWL2218	20.0	60S	11.3	40S	11.4	20S	21.6	60S	57	68
1185	HUWL2219	18.3	40S	19.0	60S	25.0	40S	25.6	60S	56	78
1186	HUWL2220	12.6	40S	9.8	20S	10.0	40S	16.0	40S	56	78
	IGKV, Bilaspur										
1187	CG 2201	16.9	40S	13.0	40S	17.0	40S	34.9	80S	57	68
1188	CG 2202	5.7	20S	4.3	20MS	5.0	20S	42.3	60S	56	78
1189	CG 2203	16.9	40S	12.1	40S	21.4	80S	55.0	80S	68	89
1190	CG 2204	18.5	40S	7.5	20S	16.3	60S	25.0	60S	67	78
1191	CG 2205	22.5	60S	28.1	60S	21.3	60S	51.0	80S	78	99
1192	CG 2206	25.0	60S	14.1	60S	6.3	40S	10.0	20S	57	78
1193	CG 2207	13.5	40S	6.3	20S	14.0	40S	52.5	80S	68	78
1194	CG 2208	26.0	80S	7.5	20S	14.7	40S	58.8	80S	68	89
1195	CG 2209	7.5	20S	3.6	20S	3.1	20S	12.5	40S	67	99
1196	CG 2210	24.5	60S	4.0	20S	4.3	20S	19.3	40S	57	89
1197	CG 2211	15.5	40S	6.8	20S	29.4	80S	48.5	80S	67	99
1198	CG 2212	11.0	40S	1.4	5S	1.1	10MS	62.5	80S	67	99
1199	CG 2213	4.3	20S	1.7	10MS	2.9	20S	46.5	80S	67	99
1200	CG 2214	12.5	40S	6.3	20S	17.4	40S	41.3	60S	78	99
1200A	Infector	75.0	100S	77.5	80S	75.7	100S	77.5	80S	78	89

S. No.	Entry	Stem rust		Leaf rust (S)		Leaf rust (N)		Stripe rust		Foliar blight	
		ACI	HS	ACI	HS	ACI	HS	ACI	HS	AVG.	HS
1201	CG 2215	30.0	60S	17.8	40S	24.7	60S	39.0	60S	78	89
	SHUATS, Prayagraj										
1202	SHUATS –W71 (MR-3222)	37.3	60S	14.7	40S	11.1	40S	42.3	60S	78	99
1203	SHUATS -W82	42.8	80S	17.3	40S	9.4	40S	57.5	80S	57	89
1204	SHUATS -W88 (MR-3012/1/3/7)	18.5	60S	12.0	40MS	6.3	30S	25.0	60S	56	99
1205	AAI-W30 (MR-3087)	15.0	40S	5.8	20S	6.3	40S	58.5	80S	56	99
1206	SHUATS-W76 (MR-3117/21/4)	30.5	60S	11.5	40S	1.1	5S	42.4	60S	56	99
1207	SHUATS-W87 (G3-MUTANT-2)	24.8	60S	5.9	20S	6.0	40S	61.0	80S	67	99
1208	AAI-W12	23.8	60S	22.6	40S	29.9	80S	48.8	80S	57	78
1209	AAI-W47 (MR-3040/10/3/1)	55.0	80S	24.3	60S	32.6	80S	42.3	80S	68	89
1210	SHUATS-W24 (MR-1010)	13.8	40S	9.0	20S	30.7	80S	42.3	60S	68	99
1211	SHUATS-W74 (MR-3036/8/1)	41.9	60S	23.1	60S	22.9	40S	34.5	60S	67	99
1212	SHUATS-W76 (MR-3117/21/4)	33.5	60S	14.0	60S	15.1	40S	45.0	60S	56	99
1213	SHUATS-W68 (MR-3004)	45.0	60S	13.8	40S	6.0	20S	36.9	80S	57	99
1214	AAI-W66 (MR-1129)	30.8	80S	9.0	20S	5.1	20S	42.5	60S	57	89
1214A	Infector	75.0	100S	75.0	80S	78.6	100S	75.0	80S	78	99

Abbreviations: ACI = Average Coefficient of Infection, HS = Highest Score, *Indicates high rust score (more than 40S) at one location only.