

Adult plant response of NIVT material against wheat rusts under field conditions (artificial inoculations) during 2012-13									
Sr. No.	Variety	RUST RESPONSE (HIGHEST SCORE AND ACI)							
		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
NIVT 1A (New)									
1	K 1201	40MR	7.6	20S	6.8	20S	4.0	40S	20.5
2	HD 3130	20S	10.8	60MR	7.2	40S	12.0	40S	17.3
3	HD 3133	40MS	13.4	60MR	7.5	5MR	0.4	20S	4.0
4	WH 1154	80S	41.0	20S	4.8	10S	4.0	40S	10.4
5	RAJ 4333	10MS	2.4	20S	6.9	10MR	2.2	40S	11.6
6	JAUW 611	60S	27.4	60S	21.0	40S	19.2	30MS	6.8
7	JAUW 616	5S	1.8	10S	3.0	10MR	0.8	80S	31.7
8	PBW 696	10S	5.0	20S	8.0	20MS	6.4	10S	2.1
9	HD 3128	40MR	10.0	15MS	7.3	0	0.0	60S	16.2
10	TL 2995	5S	1.2	60MR	4.1	20MR	2.6	20S	3.0
11	UP 2854	5S	3.4	20S	5.3	5S	1.0	60S	14.7
12	WH 1151	40MS	12.6	20S	10.0	10S	3.6	60S	11.8
13	UP 2855	20S	6.0	20MS	3.9	20S	4.8	60S	22.5
14	WH 1152	40MR	5.8	60MR	7.7	10MR	0.8	60S	13.0
15	HD 3129	40MR	10.8	40S	16.0	TR	0.0	60S	17.8
16	HD 3132	40MS	11.8	20S	7.5	5S	1.0	50S	14.0
17	DBW 113	40MS	7.6	20S	3.4	20S	5.4	20S	6.1
18	HD 3127	80S	34.4	20S	8.7	40S	11.4	60S	23.8
19	DBW 116	90S	23.1	80S	20.1	10MR	0.8	10S	2.5
20	DBW 118	40MR	6.4	60MR	6.2	10MR	0.8	40S	13.8
20. A	INFECTOR	100S	68.0	100S	75.0	80S	58.0	80S	71.0
21	HUW 671	20MR	4.2	80S*	16.0	5S	1.8	60S	17.0
22	RAJ 4330	40S	12.4	10S	5.4	40S*	8.8	60S	18.5
23	WH 1153	60S	23.6	60S	20.2	0	0.0	60S	11.0
24	PBW 693	40MS	12.8	60MR	7.3	20S	4.8	60S	13.8
25	UP 2857	20S	7.2	40MS	8.9	5S	1.2	60S	25.8
26	DBW 117	60S	23.0	60S	20.2	10MS	1.6	60S	11.1
27	RAJ 4331	40MS	12.0	40S	13.7	20S	5.0	20MS	4.7
28	HD 3126	40S	20.4	30MS	11.7	10S	2.0	20MR	1.8
29	NW 6000	40S	13.8	30MS	10.0	10MR	0.8	60S	15.8
30	WH 1155	80S	33.0	40S	14.8	60S	27.0	40S	10.8
31	PBW 695	60S	30.0	60S	18.2	10MR	1.2	30MS	4.9
32	PBW 694	30MS	9.6	20S	5.3	0	0.0	40S	17.6
33	UP 2873	10S	4.2	5S	1.2	20S	4.0	60S	32.8
34	K 1202	60S	25.0	20S	10.0	0	0.0	40S	14.9
35	RAJ 4329	40MR	5.2	20S	5.2	0	0.0	20S	5.2
36	PBW 692	40MS	12.0	5S	2.2	40S	12.0	20S	13.1
37	NW 5095	20MR	2.0	20S	7.4	20S	8.4	60S	24.5
38	DBW 115	10S	3.6	30S	8.4	10MR	0.8	60S	30.0
39	RAJ 4332	20S	7.2	40S	11.4	40S*	9.0	60S	12.0
40	DBW 114	40MR	3.3	60S	15.0	10MR	1.6	30MS	6.3
40. A	INFECTOR	100S	66.0	100S	80.0	80S	58.0	90S	71.0
41	HD 3131	40MR	5.2	80S*	16.7	10MR	1.0	60S	17.6
42	UP 2856	30MR	5.6	25MS	7.9	20MR	2.6	40S	10.8
43	NW 6002	40MR	6.8	60MR	11.8	0	0.0	15MS	4.0
44	UP 2858	40S*	10.0	5S	1.0	20S	4.9	60S	20.2
45	HUW 670	40S	21.2	80S	21.3	10MR	1.2	30MS	7.0

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		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
NIVT 1A (Old)									
46	HD 3106	60S	22.2	60S	15.0	10MR	0.8	40S	11.6
47	TL 2984	0	0.0	30MS	4.0	10MR	0.8	10S	2.0
48	PBW 680	40MR	4.2	40MR	4.8	40S*	8.4	20S	5.0
49	NW 5079	40MS	7.4	60MR	6.0	40S	11.6	40S	7.6
50	HD 3108	30S	10.6	80S	31.3	20S	8.0	40S	9.3
51	JAUW 596	30S	8.4	30S	7.4	40S*	8.2	80S	33.5
52	WH 1131	80S	38.0	40S	17.3	5MS	1.6	40S	9.8
53	Amber 28	40MR	6.2	40S	12.2	20MR	1.6	40S	6.4
54	UP 2837	40S	17.6	80S	35.0	10MR	0.8	60S	27.1
55	WH 1133	80S	52.0	60S	23.3	60S*	12.0	60S	27.8
56	RAJ 4286	60S*	16.6	60S	18.3	5S	1.8	60S	15.4
57	HUW 660	80S	29.2	80MR	12.7	20MR	1.6	60S	11.0
58	WCW 2009-06	60S	20.6	60S	24.5	60S	16.8	80S	40.5
59	WH 1134	60S	29.2	100S	30.0	10S	2.4	40S	7.2
60	PBW 679	40MS	16.4	40S	14.3	TS	0.3	10S	2.5
60. A	INFECTOR	100S	70.0	100S	80.0	60S	46.0	80S	67.0
61	RAJ 4285	40S*	10.8	30S	12.7	TR	0.0	40S	13.1
62	WH 1135	60S	28.0	40S*	8.9	20MR	1.7	60S	13.1
63	UP 2836	10S	3.6	10MS	2.5	20MS	3.2	50S	20.4
64	HUW 661	60S	19.2	60S	12.9	5S	1.0	20S	7.8
65	UP 2835	30MS	9.6	25MS	6.0	10S	2.2	20S	5.2
66	WH 1132	90S	40.4	60S	16.7	40S*	8.4	40S	13.1
67	RAJ 4287	10S	4.4	30S	9.8	20S	5.6	60S	15.4
68	NW 5074	60MR	9.8	60S	16.7	20S	5.0	40S	11.3
69	HD 3105	40S	16.8	20S	7.2	20S	8.4	40S	9.3
70	DBW 112	20MR	2.4	60S	14.1	10S	5.5	60S	22.3
71	K 1101	40MR	5.8	80S	30.2	5S	2.6	60S	24.5
72	DBW 96	40MS	11.6	40S	11.7	20S	5.2	40MS	9.3
73	DBW 98	80S	34.6	60MR	12.0	20S	5.6	20S	7.0
74	HD 3107	80S	22.0	100S	28.3	20MR	1.6	30MS	2.9
75	DBW 99	40S	16.0	60S	13.4	10S	3.6	40S	11.1
76	HP 1943	30MS	13.0	60S	17.0	0	0.0	40S	14.1
77	HD 3104	60S	23.0	40S	19.3	20MR	1.6	80S	26.5
78	NW 5077	20S	7.0	20S	6.8	20S	5.6	60S	28.4
79	UP 2838	10MS	5.2	40S*	8.7	10S	3.6	60S	19.2
80	RAJ 4289	15MR	4.8	20S	6.4	40S*	8.4	80S	24.2
80. A	INFECTOR	100S	72.0	100S	78.3	60S	58.0	90S	72.0
81	DBW 97	40MR	5.6	20MS	8.7	20S	5.6	40S	6.5
82	RAJ 4288	40MS	9.6	60S*	14.7	20S	6.2	80S	24.1
83	HP 1941	40MS	13.0	30MS	11.0	5MR	0.4	30MS	5.7
84	PBW 678	60S	28.0	40MR	6.0	20S	6.8	40S	10.8
85	UP 2834	10MS	4.4	20MS	6.3	5S	1.8	40S	9.0
86	PBW 677	60S	17.2	40MR	4.5	20S	4.0	40S	9.6
87	K 1102	40S	14.4	60MR	8.0	5S	1.8	40S	15.7
88	PBW 676	40MR	7.8	80S	22.7	60S	19.2	80S	30.5
89	DBW 95	30S	13.4	40S	16.3	40S*	9.0	40S	6.0
90	HP 1942	40MS	15.2	60S	25.0	20S	5.6	40S	10.4
NIVT 1B									

Sr. No.	Variety	RUST RESPONSE (HIGHEST SCORE AND ACI)							
		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
91	UP 2861	40MR	5.8	40S	10.1	5MR	0.5	80S	20.0
92	BRW 3733	60S	24.0	80S	35.9	80S	27.2	80S	41.0
93	HP 1954	20S	8.8	60S	17.0	40S	16.8	60S	39.6
94	HD 3136	20S	8.0	60MR	10.7	20S	4.8	60S	39.8
95	BRW 3729	70S	34.0	60S	27.0	40S	10.8	60S	19.8
96	PBW 699	80S	38.0	30MR	8.7	60S	17.6	30MS	6.9
97	DBW 120	20MR	3.6	20S	6.4	60S*	12.0	60S	14.6
98	WH 1156	60S	26.0	40S	12.5	40S	13.8	20S	8.4
99	NW 5087	40MR	5.1	60MR	7.5	20S	4.8	50S	15.0
100	K 1207	20MS	4.8	40S*	7.4	40S	12.4	80S	21.9
100. A	INFECTOR	100S	78.0	90S	76.7	60S	56.0	80S	59.0
101	UP 2859	10S	3.6	20MR	1.4	10MR	0.8	80S	21.4
102	WH 1159	40S	18.2	40S	9.9	5S	1.0	30MS	6.6
103	HUW 676	40MR	7.8	20S	7.2	20S	4.0	40S	12.8
104	HUW 673	40S	15.8	60S	14.7	5MS	0.8	40S	7.7
105	DBW 122	60S	26.6	60S	17.3	5MS	1.6	40S	7.5
106	DBW 123	15MS	5.6	40MS	9.7	0	0.0	5S	1.4
107	K 1205	20MR	3.5	20S	7.3	40S*	8.8	20S	5.2
108	UP 2860	10S	4.6	20MR	2.2	20S	6.6	80S	26.1
109	HUW 672	40MS	13.4	40S	10.9	20S	4.8	20S	5.8
110	K 1204	40MS	11.8	20S	7.0	20S	6.4	40S	8.4
111	HD 3138	10S	5.7	20MS	5.2	40S	10.8	80S	34.1
112	DBW 119	60S*	15.2	5S	2.7	0	0.0	80S	38.0
113	NW 5098	30MR	4.0	60MR	6.4	10MR	0.8	70S	26.3
114	HD 3134	40MR	5.0	60S	12.2	5MS	0.8	60S	27.5
115	NW 6006	40S	15.2	60MR	10.7	5MS	1.6	20S	8.7
116	HI 1591	40S	12.8	60S	19.5	TS	0.2	80S	32.4
117	NW 6004	40MS	11.6	20S	6.8	10MS	2.6	60S	27.8
118	HP 1952	20S	7.2	20MS	7.5	40S*	9.0	60S	27.8
119	HP 1953	60S	22.4	80S	22.0	40S	15.2	60S	21.3
120	DBW 121	80S*	17.6	40S	9.3	TS	0.3	20S	3.1
120. A	INFECTOR	100S	76.0	100S	86.7	80S	60.0	90S	71.0
121	WH 1157	40MS	14.6	20S	9.3	10MR	0.8	40S	8.0
122	PBW 698	40S	15.2	30MS	8.2	5S	2.3	5S	0.9
123	NW 5086	20S	5.6	20MS	4.8	5MS	0.8	20MS	3.1
124	RAJ 4336	80S*	17.6	10S	5.5	0	0.0	60S	13.4
125	HUW 674	30S	17.2	40S	10.7	10MR	0.8	60S	17.5
126	RAJ 4335	40S	11.6	20S	5.5	20S	5.8	60S	23.0
127	HUW 675	30MS	11.2	30MS	11.2	TS	0.2	20S	5.5
128	DBW 124	10S	4.6	80S*	13.7	10MR	0.8	30MS	8.2
129	HD 3135	40S	12.2	40S	14.0	20S	4.8	60S	38.4
130	PBW 697	60S	20.6	40MS	9.7	10MR	0.8	20MS	3.6
131	RAJ 4334	20MS	8.2	30MR	5.7	20S	5.6	80S	14.0
132	HD 3137	20MS	5.8	40MS	10.5	5MS	1.8	60S	21.2
133	K 1206	20S	8.8	60S	16.4	20MR	3.0	60S	16.0
134	K 1208	15MS	3.6	40MR	3.0	5S	2.3	20S	10.0
135	BRW 3736	10S	5.2	60S	13.5	0	0.0	60S	27.5
NIVT 2									
136	HI 1593	20MR	3.2	20MR	2.6	5MS	0.8	80S	35.4

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		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
137	RAJ 4337	20MR	3.0	20S	8.7	20S	6.4	40S	11.9
138	HI 1594	20MR	3.4	20S	3.4	40S*	12.3	80S	48.6
139	K 1210	40S	24.4	30MS	8.0	0	0.0	20S	6.0
140	RAJ 4338	20MS	9.0	40MS	9.7	60S*	13.6	80S	21.1
140. A	INFECTOR	100S	70.0	100S	80.0	60S	44.0	90S	66.0
141	GW 450	15MS	6.1	20MR	1.7	5MS	0.8	60S	30.0
142	UP 2862	10S	5.4	20MR	2.9	10S	3.6	60S	21.0
143	DBW 132	40S	15.2	40S	11.5	5MS	0.8	40S	11.4
144	HI 1592	30MR	5.0	40MR	6.8	TS	0.2	80S	26.9
145	GW 449	30MS	13.6	15MS	6.2	60S	16.0	80S	29.6
146	MP 1285	80S	34.0	80S	24.8	20S	5.0	40S	13.5
147	MACS 6604	30MR	8.4	20S	7.4	20MR	1.6	60S	32.7
148	HI 1595	15MS	6.6	30S	10.0	20S	4.8	60S	26.4
149	RVW 4197	40MR	7.8	20S	10.5	5MS	0.8	90S	52.0
150	NIAW 2059	20S	12.8	60S	14.7	20S	5.6	80S	35.8
151	HI 1596	40S	25.4	40MR	6.5	20S	4.8	60S	20.9
152	GW 453	40MS	10.2	40S	10.7	20S	5.0	60S	34.0
153	MACS 6520	60S	15.8	40S	8.7	60S*	13.2	60S	33.1
154	MP 3410	40S	13.2	60S	14.0	60S	14.0	40S	9.1
155	GW 451	20S	8.2	60S	12.5	0	0.0	60S	24.0
156	MP 1284	60S	18.2	60S	15.5	10MS	3.2	40S	14.4
157	UAS 353	40MR	5.4	30S	9.5	20S	4.8	40S	12.0
158	NIAW 2073	40MR	5.4	60MR	9.3	20S	5.0	70S	37.1
159	UAS 351	20MS	8.4	40MR	3.8	20S	9.2	10S	4.5
160	CG 1013	60S	15.8	40MR	6.0	20S	5.6	80S	46.0
160. A	INFECTOR	100S	70.0	100S	76.7	80S	58.0	80S	66.0
161	UAS 354	80S	33.4	60S	20.0	60S	25.2	40S	8.2
162	GW 452	40S	14.4	30S	11.0	20S	9.2	80S	39.4
163	LOK 70	10MS	4.4	60MR	6.7	20S	4.0	50S	26.4
164	MP 1283	60S	26.0	80MR	7.7	10MS	2.0	20S	5.4
165	UAS 352	10MS	4.6	80S*	15.7	10S	3.0	50S	16.0
166	WH 1160	80S	27.0	40MR	8.0	20S	5.2	10S	1.5
167	AKAW 4800	80S	21.1	20S	9.5	20S	8.2	80S	27.7
168	DBW 125	20S	9.0	20S	10.5	40S	16.4	60S	18.5
169	PBW 700	80S	20.8	20MS	3.7	5MS	1.2	30S	10.6
NIVT - 3									
170	HUW 678	10S	5.3	30MR	3.7	20S	5.6	80S	21.2
171	RVW 4194	60S	18.4	80S	24.4	40S	11.6	60S	25.2
172	HD 3143	40S	16.2	80S	27.8	10MS	3.2	80S	26.0
173	RAJ 4339	20MS	8.8	60S	15.4	10S	3.0	60S	18.9
174	K 1214	60S	26.0	80S	25.8	20S	5.6	60S	32.1
175	HD 3141	40MS	9.8	60S	14.8	40S*	9.0	40S	8.0
176	MP 1287	60S	18.6	40MR	6.7	60S	18.0	20S	9.7
177	HI 1597	20S	8.4	30MR	4.7	20MR	2.0	80S	42.0
178	DBW 128	60S	21.0	20S	10.4	20S	7.2	60S	15.0
179	PBW 702	80S	29.6	100S	27.0	10MR	0.8	30MS	5.3
180	CG 1011	60S	17.8	40S	11.7	40S*	8.4	60S	35.0
180. A	INFECTOR	100S	68.0	100S	81.7	60S	58.0	90S	73.0
181	DBW 127	10S	5.2	20S	7.2	10MS	1.6	80S	28.4

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		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
182	PBW 701	40MR	6.4	20S	5.0	5S	1.0	60S	14.0
183	BRW 934	90S	28.0	60S	17.7	40S*	8.8	80S	32.4
184	WH 1163	20MS	9.6	20MS	6.9	40S	11.0	60S	20.5
185	DBW 126	20S	7.7	20S	5.0	10MR	1.6	30MS	8.4
186	HD 3144	40S	14.0	20S	8.3	5S	1.0	80S	40.5
187	MP 1286	80S	22.8	80S	25.3	30S	6.8	80S	41.3
188	UP 2863	40MR	6.6	20MS	6.3	20S	10.8	60S	21.8
189	K 1213	40MR	8.8	20S	6.0	40S*	9.6	80S	34.0
190	HUW 677	30MR	3.8	20S	5.2	40S*	8.0	60S	19.4
191	K 1212	80S	26.2	60S	16.3	10MR	0.8	50S	18.2
192	PBW 704	20MS	5.4	40MR	3.7	10MR	1.2	60S	17.9
193	NIAW 2065	40MR	6.0	60MR	5.1	20MR	2.2	60S	35.8
194	GW 455	40MR	5.8	15MS	4.2	20MR	2.0	80S	23.5
195	WH 1161	30S	11.2	20S	9.4	0	0.0	60S	18.0
196	HD 3139	80S	24.0	40S	12.2	5S	1.0	60S	16.1
197	PBW 703	40MR	7.2	40S	8.5	10MR	0.8	70S	9.1
198	AKAW 4794	40MR	7.8	20MS	4.7	20S	5.4	80S	35.5
199	HD 3140	20MS	5.8	20S	6.0	20S	4.0	50S	17.9
200	HD 3142	30S	10.2	30MS	11.9	5S	1.0	80S	30.8
200. A	INFECTOR	100S	72.0	100S	80.0	80S	64.0	90S	69.0
201	GW 457	20MS	8.0	30S	11.9	60S	16.4	60S	30.5
202	NIAW 2064	40MR	8.8	20MS	4.5	10MR	1.6	80S	32.8
203	UAS 355	30MR	7.2	60S	16.1	TR	0.0	40S	15.4
204	RAJ 4341	40S	14.8	40S	13.0	5S	1.0	60S	24.6
205	MP 3404	20S	8.0	40S	11.4	20S	5.8	60S	23.2
206	UP 2866	60S	17.6	20MS	7.5	20MS	4.8	60S	21.5
207	WH 1162	30MS	11.3	20S	7.2	20MS	4.8	60S	21.3
208	UP 2865	10S	4.0	20S	5.7	10S	2.8	80S	30.5
209	LOK 71	80S	21.4	40S	12.1	20MR	1.8	70S	23.8
210	HI 8746 (d)	20MS	7.6	20MS	6.2	10MR	0.9	40S	18.3
211	GW 456	40MR	5.0	60MR	6.4	20S	6.0	80S	23.8
212	NW 6005	60S	18.4	60S	26.7	10S	2.8	20S	11.5
213	RAJ 4340	10S	7.8	60MR	6.7	10S	2.0	60S	13.8
214	UP 2864	30MR	4.2	5MS	1.4	20S	4.0	60S	26.5
NIVT - 4									
215	DDW 28	10MS	4.2	60S	12.8	20S	6.2	40S	10.1
216	HI 8750	30MR	2.9	40S*	8.0	10MS	2.4	40S	8.3
217	PDW 335	20MR	3.2	80S	15.7	40S	11.8	60S	8.4
218	GW 1299	40MR	5.2	60S	12.3	20S	5.8	60S	17.3
219	MACS 3873	20S	7.4	30S	8.0	20S	6.4	50S	10.3
220	PDW 336	20MR	2.8	60S*	12.5	20S	6.0	60S	7.5
220. A	INFECTOR	100S	74.0	100S	68.3	80S	60.0	90S	72.0
221	HD 4728	20MS	5.6	60S	14.0	40S*	8.0	60S	11.5
222	HI 8747	40S	10.4	80S	17.7	40S	12.0	60S	9.4
223	HI 8748	10S	5.2	40S	10.4	20S	6.4	50S	10.7
224	MACS 3931	30MS	7.4	40S	9.0	60S*	12.4	60S	13.6
225	WHD 953	40MR	4.8	60S	11.7	40S*	8.2	70S	12.5
226	UAS 449	15MS	6.8	20S	4.9	10MR	1.6	10S	2.0
227	NIDW 793	40MR	5.2	40S	7.4	40S	12.6	60S	7.6

Sr. No.	Variety	RUST RESPONSE (HIGHEST SCORE AND ACI)							
		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
228	UAS 448	5S	2.6	40MR	4.9	40S*	10.1	50S	8.1
229	GW 1298	10MS	4.0	80MR	7.5	5MR	0.5	20S	3.6
230	WHD 954	40MR	5.8	60MR	6.4	10MR	2.2	40S	6.7
231	PBND 1625	10S	2.9	60S	17.0	20S	5.6	80S	25.5
232	PDW 337	40MS	10.4	80S	17.4	10MR	0.8	70S	10.5
233	RKD 251	10S	3.6	60S	14.0	20S	6.4	60S	9.1
234	MPO 1288	15MS	4.8	60S*	10.0	40S*	9.2	40S	12.0
235	HD 4730	20MR	2.9	20S	7.7	20S	4.8	60S	13.7
236	GW 1300	40MS	10.0	40S	9.0	20S	5.0	40S	11.4
237	HD 4729	40MS	9.6	60MR	9.7	20S	6.5	40S	14.0
238	DDW 27	20MR	2.8	40MR	3.0	20S	6.0	60S	7.8
239	PDW 338	20S	9.6	40S	11.0	10MR	2.5	40MS	6.1
240	MPO 1289	20MS	5.6	40S	8.4	TR	0.1	30MS	9.0
240. A	INFECTOR	100S	72.0	100S	76.7	80S	60.0	90S	66.0
241	MACS 3944	40MR	6.8	80S	23.7	60S*	15.5	60S	10.1
242	HI 8749	40S	10.8	80S	21.7	40S*	8.4	60S	13.6
243	GW 1297	30S	8.4	60S	18.0	10MR	1.0	70S	20.8
244	NIDW 802	40S*	9.6	80S	17.3	10MR	1.5	60S	15.0
245	UPD 95	20MR	2.4	40MR	6.7	10MR	1.0	70S	13.3
246	RKD 255	15MS	7.0	60S	18.0	5MR	0.5	70S	9.9
NIVT - 5A									
247	HD 3147	30MR	3.0	40MR	6.4	80S	27.2	80S	60.0
248	DBW 130	20MR	3.4	60MR	4.4	20S	4.0	60S	19.1
249	HD 3146	20S	7.2	20MS	5.4	40S	10.4	60S	18.7
250	UAS 356	40S	18.6	40S	13.3	40S*	8.4	40S	14.4
251	WH 1165	60S	17.4	40S	11.4	10S	3.6	40S	14.5
252	DBW 129	40S	12.6	10S	3.5	20S	4.0	20S	4.6
253	UP 2867	5S	1.5	10S	2.4	20S	4.0	30MS	14.0
254	HI 1598	5MS	1.7	10S	3.0	TS	0.2	80S	53.0
255	PBW 706	40S*	9.2	60S	12.9	20S	4.8	40S	8.0
256	UP 2868	60S*	15.2	60MR	8.0	10MR	0.8	70S	18.4
257	NW 6001	60S	28.4	80S	21.9	20S	4.0	70S	30.3
258	HUW 679	60S	18.4	20S	3.8	0	0.0	40S	14.9
259	HD 3145	10S	5.2	60MR	9.0	TR	0.0	50S	13.4
260	MACS 6567	60S	16.6	60S	22.3	20S	6.0	60S	16.8
260. A	INFECTOR	100S	70.0	100S	76.7	80S	60.0	90S	71.0
261	MP 1277	80S	28.0	40S	13.4	TR	0.0	20S	9.2
262	MP 1279	80S*	19.4	40S	8.4	TR	0.0	60S	34.8
263	MACS 6579	20MS	5.2	10MS	2.1	40S*	9.0	80S	36.9
264	UAS 357	10S	6.2	40MR	2.7	0	0.0	40S	8.3
265	CG 1010	10S	4.8	60MR	5.9	20S	6.2	80S	49.8
266	BRW 3738	60S*	13.8	40S*	7.7	10S	2.4	60S	29.5
267	MP 1278	40MS	9.0	40MR	5.0	40S	9.2	60S	26.3
268	HP 1955	20MR	1.6	20MS	4.0	0	0.0	40S	18.4
269	K 1215	40MS	14.4	40S*	8.0	60S*	12.2	20S	7.7
270	RAJ 4342	30MR	4.4	60MR	7.7	40S	16.0	40S	7.1
271	NIAW 2030	10S	2.8	30S	8.5	20S	4.4	80S	36.0
272	K 1216	30MR	5.4	10S	3.7	20MR	2.5	20S	8.0
273	MP 1280	80S	48.4	80S	43.3	60S	17.6	80S	43.0

Sr. No.	Variety	RUST RESPONSE (HIGHEST SCORE AND ACI)							
		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
274	K 1217	40MR	5.8	40S	12.7	40S	12.8	60S	15.0
275	PBW 705	40MR	3.6	20MR	1.4	20S	5.8	30MS	4.4
276	DBW 133	60S	22.4	60S	12.0	10S	2.0	20S	4.7
277	WH 1164	40S	15.0	60S	19.4	20S	5.6	20S	7.7
278	MP 3402	50S	18.0	40S	15.4	5MR	0.6	60S	28.7
NIVT - 5B									
279	K 1218	15MS	5.6	80MS*	12.7	5S	1.0	40S	8.6
280	GW 1307	40MS	9.0	40MR	3.4	40S*	9.4	70S	38.0
280. A	INFECTOR	100S	76.0	100S	83.3	80S	64.0	90S	71.0
281	HI 8752	40MS	11.6	60MR	7.7	20S	4.8	40S	6.2
282	HI 8753	40S*	10.2	60S	17.0	20S	4.8	40S	9.2
283	AKDW 4791	40MS	10.4	40S	11.4	20MR	1.6	20S	10.9
284	UAS 451	20MR	3.2	40S*	8.0	10MS	3.1	60S	10.2
285	MACS 3923	80S	22.0	60S	16.2	10MR	1.2	60S	11.5
286	MPO 1282	25MR	3.6	60S*	10.9	5S	1.4	40S	9.5
287	RKD 262	20MR	2.4	40S	8.7	10S	2.0	60S	8.2
288	DDW 30	10S	4.4	60S	14.7	10MR	2.0	70S	8.5
289	GW 1304	30S	9.6	20MR	3.5	40S	15.8	80S	55.7
290	DDW 29	40S	14.0	40S	15.0	20S	8.8	20MS	2.6
291	HI 8755	60S	17.0	60S*	11.0	5MR	0.5	30S	6.0
292	HI 8751	20MR	3.0	5MR	0.4	30S	9.3	20MS	3.6
293	MPO 1281	30MS	9.0	80S*	14.2	10MS	1.8	40S	8.6
294	NIDW 755	10S	4.4	20S	5.0	5MR	0.4	70S	10.6
295	MACS 3916	40MR	8.0	60S	18.7	20S	4.2	60S	8.1
296	RKD 256	40MR	4.8	40S*	7.1	10MR	2.0	60S	9.5
297	HI 8754	30MS	7.2	40S*	7.7	20S	4.8	30MS	9.0
298	MACS 3927	60S	17.6	60S	17.5	30S	9.2	40S	7.3
299	GW 1302	90S	30.0	60S	14.0	60S	24.5	100S	65.0
300	GW 1303	20MR	4.2	20S	7.3	40S	15.2	100S	60.0
300. A	INFECTOR	100S	74.0	100S	81.7	80S	68.0	80S	69.0
301	UAS 450	40MS	9.2	60S	12.0	10MR	1.2	70S	16.6
IVT									
I. NORTHERN HILL ZONE									
302	HS 568	40MS	7.6	40S*	8.0	10MR	0.9	30S	13.0
303	HS 566	40S	15.0	40S	13.7	20S	7.6	20MS	7.7
304	HPW 396	40MS	9.6	40MR	3.4	10MR	0.8	20S	8.1
305	HS 567	40MS	15.0	40MR	4.2	10MR	1.2	40S	10.1
306	HPW 395	30MR	5.3	60S*	14.7	10S	3.4	40S	8.5
307	VL 2006	10S	5.2	30S	6.4	10S	2.2	40S	6.5
308	HPW 394	40S	11.2	60S	14.0	20S	7.2	50S	12.1
309	HPW 393	60S	22.8	40S	9.8	20MS	4.8	50S	9.6
310	HS 565	20MS	7.2	60S*	11.0	20S	5.8	60S	28.6
311	VL 2005	40MS	8.4	60S*	12.0	TR	0.0	10S	1.7
312	VL 2004	20MR	3.4	40MR	3.9	5S	1.8	40S	9.4
313	HS 564	20S	10.0	20S	4.7	20S	7.6	70S	19.2
314	HPW 392	80S	28.4	60S	12.7	60S	18.4	20S	7.6
315	HS 563	80S	34.8	60S	17.1	10S	3.6	40S	12.6
316	UP 2870	40S*	10.1	20S	5.4	20MR	1.6	80S	32.5
317	VL 2003	40MS	14.4	60S	24.0	20MR	2.4	40S	8.3

Sr. No.	Variety	RUST RESPONSE (HIGHEST SCORE AND ACI)							
		South				North			
		STEM		LEAF		LEAF		STRIPE	
		HS	ACI	HS	ACI	HS	ACI	HS	ACI
318	VL 2002	40MR	6.2	20S	3.7	20S	5.6	60S	18.5
319	HPW 391	40S	11.4	40S	10.5	5MS	0.8	10S	5.1
320	UP 2869	10MS	3.6	30S	7.0	40S	9.6	60S	26.5
320. A	INFECTOR	100S	70.0	100S	81.7	80S	68.0	80S	67.0
321	HS 562	60S	26.0	40S*	7.7	40S	10.4	20S	6.2
322	HPW 390	60S	32.8	60S	20.4	20S	9.6	60S	18.5
323	VL 2001	40MR	8.8	30MS	9.3	10MS	4.0	50S	7.6
II. SOUTHERN HILLS ZONE									
324	NIAW 2059	40MR	7.4	20S	6.0	40S	10.0	60S	34.0
325	UAS 359	50S	19.0	60MR	7.2	5S	1.8	60S	32.5
326	HS 571	40S	20.0	20MS	6.7	20S	6.4	60S	39.0
327	UAS 358	20MS	9.0	60MR	6.9	40S*	8.8	60S	28.0
328	HW 5244	40MR	4.8	15MS	2.8	60S*	13.2	60S	43.2
329	HS 570	40S	11.6	20S	9.7	20S	10.4	60S	23.1
330	HW 5243	30MS	10.4	60MR	5.4	10S	2.4	80S	60.5
331	HW 5239	5MR	0.4	40S	8.4	10MR	1.0	40S	18.5
332	HW 5242	20S	4.9	30S	7.4	10S	3.8	60S	28.1
333	HW 4015	40MR	4.2	60S	11.9	20MR	2.6	80S	59.0
334	MACS 6516	20MS	8.8	60MR	5.7	20S	9.2	60S	16.6
335	HW 5555	20MR	1.8	10MS	2.7	40S	9.6	60S	14.2
336	HS 565	40MR	4.4	60S	13.3	20S	4.8	60S	28.6
337	HS 572	40MR	5.8	40MR	5.7	40S	12.8	60S	23.2
338	HW 1900-1	20MR	2.6	20S	3.7	10S	4.5	60S	26.3
339	MACS 6507	20MR	1.6	5S	2.2	20S	4.8	80S	46.6
340	NIAW 2073	10MS	3.2	20MS	5.4	20S	5.6	80S	42.2
340. A	INFECTOR	100S	68.0	100S	76.7	80S	68.0	80S	68.0
341	HS 569	30MR	2.5	30MR	2.0	20S	7.6	60S	21.7
III. SPECIAL TRIAL (TRITICALE)									
342	TL 2991	5MS	1.2	20MR	1.4	TR	0.0	10MR	0.4
343	TL 2990	5S	1.0	5MR	0.4	20S	4.0	15MR	1.7
344	TL 2994	10S	2.0	5MR	0.4	TMS	0.2	60S	12.8
345	TL 2993	20MR	2.0	5MR	0.4	40S*	8.2	70S	9.0
346	TL 2992	0	0.0	80S*	13.4	60S	18.4	20S	4.9
347	TL 2942 (C)	5MS	1.6	10MR	0.7	TR	0.0	5S	0.5
348	TL 2969 (C)	20MR	2.0	5MR	0.7	0	0.0	0	0.0
348. A	INFECTOR	100S	78.0	100S	76.7	80S	68.0	80S	70.0