

**IBDSN 2019-20**

IBDSN No.	Entry	Yellow rust		Foliar blight	
		ACI	HS	Avg.	HS
<b>IWBR, Karnal</b>					
1	LK-19/1	7.8	20S	46	68
2	LK-19/2	10.9	40S	47	68
3	LK-19/3	2.3	5S	57	89
4	LK-19/4	0.3	5MR	58	89
5	LK-19/5	3.4	10S	57	89
6	LK-19/6	9	20S	57	89
7	LK-19/7	2.6	10S	57	89
8	LK-19/8	5.3	10S	57	89
9	LK-19/9	16.7	40S	57	78
10	LK-19/10	3.3	5S	46	68
11	LK-19/11	1.8	10S	46	68
12	LK-19/12	3.5	10S	57	89
13	LK-19/13	1.8	10S	46	68
14	LK-19/14	1.5	10MS	56	89
15	LK-19/15	4.3	20S	57	89
16	LK-19/16	2.5	10S	57	89
17	LK-19/17	23.3	40S	57	89
18	LK-19/18	21.8	60S	57	78
<b>IWBR, Hisar</b>					
19	DWRFB 30	2	10S	68	89
20	DWRFB 31	0.8	5MS	57	89
<b>20A</b>	<b>Infector</b>	<b>83.3</b>	<b>100S</b>	<b>89</b>	<b>99</b>
21	DWRFB 32	1	5MS	56	78
22	DWRFB 33	3.7	20S	46	89
23	DWRFB 34	4	20S	57	89
24	DWRFB 35	3.4	10S	57	89
25	DWRFB 36	1.8	5S	57	78
26	DWRFB 37	20.7	60S	67	89
27	DWRFB 38	3.7	20S	57	89
28	DWRFB 39	16.7	40S	57	89
29	DWRFB 40	40	80S	78	99
30	DWRFB 41	45	60S	57	99
31	DWRFB 42	55	100S	57	89
32	DWRFB 43	21.7	80S	78	99
33	DWRFB 44	35.1	60S	78	79
34	DWRFB 45	57.5	80S	68	79
35	DWRFB 46	54.2	80S	78	99
36	DWRFB 47	46.7	80S	57	89
37	DWRFB 48	38.8	80S	58	79
38	DWRFB 49	33.3	60S	45	68
39	DWRFB 50	30	60S	46	68
40	DWRFB 51	30.8	60S	57	89
<b>40A</b>	<b>Infector</b>	<b>80</b>	<b>100S</b>	<b>89</b>	<b>99</b>
41	DWRFB 52	12	40S	67	89
42	DWRFB 53	30.8	80S	58	99
43	DWRFB 54	34.7	80S	78	99
44	DWRFB 55	27	40S	68	89
45	DWRFB 56	18.3	40S	68	79

IBDSN No.	Entry	Yellow rust		Foliar blight	
		ACI	HS	Avg.	HS
46	DWRFB 57	18	60S	68	99
47	DWRFB 58	48.3	80S	35	35
48	DWRFB 59	44.7	80S	57	68
49	DWRFB 60	30.3	60S	57	99
50	DWRFB 61	39.5	80S	57	78
51	DWRFB 62	31.3	80S	68	89
52	DWRFB 63	50.1	80S	68	89
53	DWRFB 64	12.3	60S	79	99
54	DWRFB 65	1.8	5S	89	99
55	DWRFB 66	40	80S	89	99
56	DWRFB 67	4.7	20S	57	68
57	DWRFB 68	28	60S	57	68
58	DWRFB 69	32.7	80S	57	89
59	DWRFB 70	43.3	80S	79	99
60	DWRFB 71	13.7	60S	78	78
<b>60A</b>	<b>Infector</b>	<b>83.3</b>	<b>100S</b>	<b>89</b>	<b>99</b>
61	DWRFB 72	4.5	10S	78	79
62	DWRFB 73	7.8	30S	89	99
63	DWRFB 74	18.3	40S	57	89
64	DWRFB 75	48	100S	78	99
65	DWRFB 76	42.5	80S	57	79
66	DWRFB 77	4.8	20S	78	89
67	DWRFB 78	51.7	80S	78	89
68	DWRFB 79	17.8	60S	79	99
69	DWRFB 80	4.2	20MS	78	99
70	DWRFB 81	0.7	5MS	89	99
71	DWRFB 82	7	40S	68	99
72	DWRFB 83	23.3	40S	68	89
73	DWRFB 84	6.2	15S	58	89
74	DWRFB 85	10	40S	57	89
75	DWRFB 86	11.7	40S	57	78
<b>IARI, RS, Shimla</b>					
76	BBM 828	8.7	40MS	78	89
77	BBM 829	10.2	40MS	58	78
78	BBM 830	8.7	40S	68	89
79	BBM 831	43.3	80S	78	99
80	BBM 832	10.8	60S*	78	89
<b>80A</b>	<b>Infector</b>	<b>76.7</b>	<b>100S</b>	<b>89</b>	<b>99</b>
81	BBM 833	0.7	10MR	68	89
82	BBM 834	4.3	20S	78	99
83	BBM 835	2	10S	78	99
84	BBM 836	26.7	80S	89	99
85	BBM 837	12.6	60S	78	89
86	BBM 838	2	10MS	89	89
87	BBM 839	0.1	TMR	78	99
88	BBM 840	9	20S	78	79
89	BBM 841	6.2	20S	79	89
90	BBM 842	5.7	20S	89	99
91	BBM 843	2.8	10S	68	89
92	BBM 844	32	80S	68	89
93	BBM 845	7.7	20S	88	99

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		ACI	HS	Avg.	HS
94	BBM 846	8.7	40MS	78	89
95	BBM 847	15.8	40S	68	89
96	BBM 848	5.1	10S	78	99
97	BBM 849	16.7	60S	78	99
98	BBM 850	10.3	30MS	78	99
99	BBM 851	3	10S	68	99
100	BBM 852	1.3	5MS	78	99
<b>100A</b>	<b>Infector</b>	<b>83.3</b>	<b>100S</b>	<b>89</b>	<b>99</b>
101	BBM 853	3.7	10S	89	99
102	BBM 854	1	5MS	78	89
103	BBM 855	4	20S	67	99
104	BBM 856	3	10MS	57	67
105	BBM 857	3.2	10S	57	69
106	BBM 858	3.5	10MS	78	99
107	BBM 859	3.5	10MS	58	89
108	BBM 860	2.2	10MS	78	99
<b>GBPUAT, Pantnagar</b>					
109	UPBM 1	3	10S	68	99
110	UPBM 2	0	0	79	99
111	UPBM 3	23.2	60S	68	89
112	UPBM 4	55	80S	46	57
113	UPBM 5	4.8	20S	68	78
114	UPBM 6	9.2	40S	68	79
115	UPBM 7	2.5	10S	68	89
116	UPBM 8	2.2	10MS	68	89
117	UPBM 9	0	TR	57	68
118	UPBM 10	4.2	20S	68	89
119	UPBM 11	19.2	60S	68	78
120	UPBM 12	14.4	40S	68	78
<b>120A</b>	<b>Infector</b>	<b>73.3</b>	<b>100S</b>	<b>89</b>	<b>99</b>
121	UPBM 13	8.3	20S	68	79
122	UPBM 14	42.2	80S	68	99
123	UPBM 15	51.7	80S	57	89
124	UPBM 16	14.1	80S*	58	78
125	UPBM 17	13.2	20S	57	89
126	UPBM 18	18.5	40S	79	99
<b>CSAUAT, Kanpur</b>					
127	PKB 1901	30.5	80S	68	79
128	PKB 1902	12.3	40S	67	89
129	PKB 1903	50	80S	78	89
130	PKB 1904	51.7	80S	68	78
131	PKB 1905	45	80S	58	89
132	PKB 1906	43.3	60S	68	79
133	PKB 1907	60	80S	68	78
134	PKB 1908	66.7	80S	68	89
135	PKB 1909	12.8	60S*	68	78
136	PKB 1910	39	80S	57	67
137	PKB 1911	11.3	60S*	68	78
138	PKB 1912	0.7	5MS	68	89
139	PKB 1913	56.7	80S	68	89
140	PKB 1914	21.5	60S	68	89

IBDSN No.	Entry	Yellow rust		Foliar blight	
		ACI	HS	Avg.	HS
<b>140A</b>	<b>Infector</b>	<b>76.7</b>	<b>100S</b>	<b>79</b>	<b>99</b>
141	PKB 1915	46.7	80S	78	89
142	PKB 1916	0.1	TMR	78	78
143	PKB 1917	56.7	80S	57	68
144	PKB 1918	46.7	80S	68	99
145	PKB 1919	66.7	80S	68	89
146	PKB 1920	60	80S	68	78
147	PKB 1921	63.3	80S	67	89
148	PKB 1922	38.3	80S	78	89
149	PKB 1923	35	60S	67	78
150	PKB 1924	73.3	80S	68	89
151	PKB 1925	60	80S	68	78
152	PKB 1926	20	40S	68	99
153	PKB 1927	6.7	40S	79	89
154	PKB 1928	66.7	80S	89	99
155	PKB 1929	45	60S	78	99
156	PKB 1930	70	80S	78	79
157	PKB 1931	1.6	5S	78	99
158	PKB 1932	70	100S	78	99
159	PKB 1933	40	60S	68	89
160	PKB 1934	56.7	80S	68	78
<b>160A</b>	<b>Infector</b>	<b>73.3</b>	<b>100S</b>	<b>89</b>	<b>99</b>
161	PKB 1935	70	80S	67	78
162	PKB 1936	5.7	20MS	68	99
163	PKB 1937	2.5	10S	89	99
164	PKB 1938	50.8	80S	78	99
165	PKB 1939	8.7	20S	78	99
166	PKB 1940	26.3	60S	57	78
167	PKB 1941	3	10S	57	78
168	PKB 1942	8.7	20MS	57	68
169	PKB 1943	9.5	20S	68	79
170	PKB 1944	11.5	30S	68	99
171	PKB 1945	12.7	30S	68	99
172	PKB 1946	5.5	15S	78	99
173	PKB 1947	0.1	TMR	67	99
174	PKB 1948	41.7	80S	78	99
<b>PAU, Ludhiana</b>					
175	BL 1508	33.3	60S	67	99
176	BL 1515	1.7	10S	78	99
177	BL 1523	18.5	40S	68	79
178	BL 1531	20	40S	57	79
179	BL 1534	12.8	40S	68	89
180	BL 1537	3.1	10S	79	99
<b>180A</b>	<b>Infector</b>	<b>76.7</b>	<b>100S</b>	<b>89</b>	<b>99</b>
181	BL 1539	5.5	15S	79	89
182	BL 1544	23.5	40S	68	89
183	BL 1607	8.5	20MS	78	99
184	BL 1608	9.5	20S	57	78
185	BL 1617	7.8	30S	57	89
186	BL 1643	3.3	20MS	57	89
187	BL 1714	18.5	40S	46	57

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		ACI	HS	Avg.	HS
188	BL 1715	10.7	30S	57	89
189	BL 1718	17.2	40S	57	78
190	BL 1719	16.8	40S	47	89
191	BL 1720	17.7	40S	57	89
192	BL 1725	16.7	40MS	46	78
193	BL 1728	4	20MS	68	99
194	BL 1730	34.3	60S	46	58
195	BL 1731	1.6	5S	57	78
196	BL 1733	46.7	60S	47	57
197	BL 1736	41.7	60S	46	57
198	BL 1740	13.3	40S	68	99
199	BL 1745	15.7	40S	58	79
200	BL 1747	8.7	20S	57	89
<b>200A</b>	<b>Infector</b>	<b>80</b>	<b>100S</b>	<b>99</b>	<b>99</b>
201	BL 1748	1.7	10S	58	68
202	BL 1749	21.7	40S	78	99
203	BL 1751	5.1	10S	68	89
204	BL 1753	41.7	80S	47	68
205	BL 1754	30	80S	68	89
206	BL 1756	20	40S	46	57
207	BL 1757	26.7	60S	57	99
208	BL 1760	31.7	60S	46	57
209	BL 1761	33.3	60S	46	57
210	BL 1766	38.3	80S	68	99
211	BL 1770	46.7	80S	57	67
212	BL 1772	43.3	60S	57	58
213	BL 1775	43.3	60S	47	68
214	BL 1777	50	80S	68	89
215	BL 1778	43.3	60S	58	89
216	BL 1780	43.3	80S	57	78
217	BL 1781	46.7	80S	47	58
218	BL 1785	50	80S	46	58
219	BL 1786	24.3	40S	57	78
220	BL 1787	16	40S	57	89
<b>220A</b>	<b>Infector</b>	<b>76.7</b>	<b>100S</b>	<b>88</b>	<b>99</b>
221	BL 1789	40	60S	57	89
222	BL 1797	24.2	40S	67	89
223	BL 1799	18.5	40S	46	46
224	BL 1800	25	60S	68	89
225	BL 1804	18.8	40S	57	89
226	BL 1807	34.7	60S	57	68
227	BL 1808	34.7	60S	68	78
228	BL 1810	29.2	40S	68	89
229	BL 1812	21.8	40S	57	99
<b>CCSHAU, Hisar</b>					
230	BH- 1901	14	40S	57	99
231	BH-1902	3.4	10S	68	99
232	BH-1903	8.7	40S	78	99
233	BH-1904	20.2	40S	57	89
234	BH-1905	15.7	40S	67	89
235	BH-1906	14.5	40S	78	99

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		ACI	HS	Avg.	HS
236	BH-1907	5.8	15S	46	68
237	BH-1908	0.7	5MS	67	89
238	BH-1909	7.3	20S	68	99
239	BH-1910	12	40S	68	99
240	BH-1911	12.8	40S	67	89
<b>240A</b>	<b>Infector</b>	<b>80</b>	<b>100S</b>	<b>89</b>	<b>99</b>
241	BH-1912	13.3	40S	57	99
242	BH-1913	9.7	20S	68	89
243	BH-1914	2.7	10S	58	89
244	BH-1915	3.1	10S	57	99
245	BH-1916	3	10S	57	78
246	BH-1917	1.7	5S	68	89
247	BH-1918	8.3	40S	47	58
248	BH-1919	23.7	40S	68	78
249	BH-1920	9	20S	57	89
250	BH-1921	2.5	10S	58	78
251	BH-1922	6	20MS	57	99
252	BH-1923	24.7	60S	46	89
253	BH-1924	16.3	40S	57	79
254	BH-1925	8.3	20S	57	99
255	BH-1926	11.3	20S	57	89
256	BH-1927	9.2	20S	45	56
257	BH-1928	5.7	20S	45	46
258	BH-1929	4.7	10S	46	58
259	BH-1930	11.7	40S	46	58
260	BH-1931	16.8	40S	68	78
<b>260A</b>	<b>Infector</b>	<b>70</b>	<b>100S</b>	<b>89</b>	<b>99</b>
261	BH-1932	5.5	15S	57	78
262	BH-1933	19.8	60S	78	99
263	BH-1934	18	40S	78	99
264	BH-1935	23.8	60S	79	99
265	BH-1936	23.3	60S	78	99
266	BH-1937	26	60S	78	99
267	BH-1938	20	40S	78	99
268	BH-1939	2	10MS	67	89
269	BH-1940	4.7	20S	78	99
270	BH-1941	4.7	15S	67	89
271	BH-1942	4.8	15S	68	79
272	BH-1943	0.7	5MS	67	99
273	BH-1944	6	20S	58	89
274	BH-1945	1.5	10MS	46	78
275	BH-1946	3.8	10S	57	78
276	BH-1947	6.5	20S	56	89
277	BH-1948	23	60S	57	89
278	BH-1949	1	5MS	57	99
279	BH-1950	10.5	60S*	56	99
280	BH-1951	23.3	60S	67	89
<b>280A</b>	<b>Infector</b>	<b>80</b>	<b>100S</b>	<b>89</b>	<b>99</b>
281	BH1952	8.7	40S	68	89
<b>BHU, Varanasi</b>					
282	HUBL-1901	56.7	100S	67	89

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		ACI	HS	Avg.	HS
283	HUBL-1902	34.8	80S	68	89
284	HUBL-1903	31	60S	57	99
285	HUBL-1904	54.7	100S	68	99
286	HUBL1905	19.3	40S	68	99
287	HUBL1906	28	60S	68	99
288	HUBL1907	60	100S	68	99
289	HUBL1908	66.7	100S	78	99
290	HUBL-1909	63.3	100S	46	68
291	HUBL-1910	66.7	100S	57	78
292	HUBL-19011	54	100S	67	99
293	HUBL-1912	2	10S	57	67
294	HUBL-1913	12.7	60S	67	99
295	HUBL-1914	63.3	100S	57	99
296	HUBL-1915	66.7	100S	68	99
297	HUBL-1916	36.2	80S	68	99
298	HUBL-1917	6.2	20MS	68	89
299	HUBL-1918	66.7	100S	89	99
300	HUBL-1919	73.3	100S	78	89
<b>300A</b>	<b>Infector</b>	<b>80</b>	<b>100S</b>	<b>89</b>	<b>99</b>
301	HUBL-1920	9.7	30S	58	89
302	HUBL-1921	35	60S	46	68
303	HUBL-1922	21.2	40S	46	89
304	HUBL-1923	63.3	100S	57	89
305	HUBL-1924	66.7	100S	57	89
306	HUBL-1925	58.3	100S	68	99
307	HUBL-1926	55	100S	68	99
308	HUBL-1927	58.3	100S	57	99
309	HUBL-1928	53.3	100S	57	78
310	HUBL-1929	53	100S	56	86
311	HUBL-1930	1.6	5S	67	89
<b>HAREC, CSKHPKV, Bajaura</b>					
312	HB-1901	0.3	5MR	67	99
313	HB-1902	5.2	20S	78	99
314	HB-1903	0.1	TMR	67	78
315	HB-1904	2.5	10S	78	89
316	HB-1905	26.7	60S	57	69
317	HB-1906	1.2	5S	46	68
318	HB-1907	8.5	20S	46	78
319	HB-1908	23.7	40S	57	68
320	HB-1909	2.7	20MS	67	89
<b>320A</b>	<b>Infector</b>	<b>76.7</b>	<b>100S</b>	<b>78</b>	<b>89</b>
321	HB-1910	3.8	15S	68	78
322	HB-1911	4.4	20S	57	89
323	HB-1912	3.1	10S	68	89
324	HB-1913	9	30S	46	68
325	HB-1914	14.2	40S	57	78
326	HB-1915	19.2	60S	57	79
327	HB-1916	9	20S	57	79
328	HB-1917	5.5	15S	36	46
329	HB-1918	9	20S	67	89
330	HB-1919	9.3	20S	47	68

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		ACI	HS	Avg.	HS
331	HB-1920	12.4	30MS	46	67
<b>VPKAS, Almora</b>					
332	VB-1901	5.3	20S	57	68
333	VB-1902	9.7	20S	57	58
334	VB-1903	12.2	30S	68	78
335	VB-1904	6.8	15S	47	68
336	VB-1905	13.2	30S	46	68
337	VB-1906	18.5	40S	57	67
338	VB-1907	13.8	40S	47	79
339	VB-1908	35.2	80S	67	79
340	VB-1909	8.7	40S	68	99
<b>340A</b>	<b>Infector</b>	<b>73.3</b>	<b>100S</b>	<b>89</b>	<b>99</b>
341	VB-1910	13.3	30S	58	68
342	VB-1911	23.2	40S	57	68
343	VB-1912	17.3	40S	67	79
344	VB-1913	17.3	40S	56	79
345	VB-1914	14.7	40S	78	99
346	VB-1915	20.7	40S	67	99
347	VB-1916	7.3	20MS	68	99
348	VB-1917	1.4	10MS	47	68
349	VB-1918	21.8	60S	57	78
350	VB-1919	13.5	40S	47	58
351	VB-1920	12.5	30S	48	58
352	VB-1921	12.3	30S	57	68
353	VB-1922	11	20S	46	58
354	VB-1923	14.8	30S	57	68
355	VB-1924	14.3	40S	57	67
356	VB-1925	15.8	40S	56	78
357	VB-1926	19.2	60S	56	68
358	VB-1927	21.5	60S	36	46
359	VB-1928	23.5	60S	46	58
<b>RARI, Durgapura</b>					
360	BD-1831	34.2	80S	35	57
<b>360A</b>	<b>Infector</b>	<b>73.3</b>	<b>100S</b>	<b>89</b>	<b>89</b>
361	BD-1832	2.6	10S	67	78
362	BD-1833	3.5	10S	67	79
363	BD-1834	12	20S	68	79
364	BD-1835	4.7	15S	68	78
365	BD-1836	7.8	20S	67	78
366	BD-1837	18.1	40S	68	68
367	BD-1838	13.8	40S	57	68
368	BD-1839	14.2	30S	57	89
369	BD-1840	21.7	40S	57	78
370	BD-1841	5.3	20S	57	68
371	BD-1842	32.5	60S	68	89
372	BD-1843	22.5	80S	68	89
373	BD-1844	1.9	5S	78	99
374	BD-1845	41.7	80S	68	89
375	BD-1846	1.4	10MS	58	89
376	BD-1847	1.2	5S	57	78
377	BD-1848	1.2	5S	78	99



IBDSN No.	Entry	Yellow rust		Foliar blight	
		ACI	HS	Avg.	HS
378	BD-1849	2.2	5S	68	78
379	BD-1850	0.1	TMS	79	99
380	BD-1851	24.2	60S	57	68
<b>380A</b>	<b>Infector</b>	<b>80</b>	<b>100S</b>	<b>68</b>	<b>89</b>
381	BD-152	60	100S	78	99
382	BD-1853	1.7	10S	79	89
383	BD-1854	15.7	40S	68	79
384	BD-1855	1.7	10S	68	89
385	BD-1856	3	10S	68	89
386	BD-1857	6.8	20S	68	89
387	BD-1858	30.8	60S	57	79
388	BD-1859	31.7	40S	46	68
389	BD-1860	30.5	80S	57	69
390	BD-1861	18.3	40S	57	79
391	BD-1862	29.7	80S	68	99
392	BD-1863	14.2	40S	57	78
393	BD-1864	36.7	80S	57	68
394	BD-1865	46.3	80S	78	99
395	BD-1866	4.3	20MS	57	79
396	BD-1867	8.3	20S	57	79
397	BD-1868	1.8	5S	58	69
398	BD-1869	53.3	80S	68	79
399	BD-1870	56.7	80S	57	68
<b>NDUA, Faizabad</b>					
400	NDB-1752	23.8	60S	57	78
<b>400A</b>	<b>Infector</b>	<b>76.7</b>	<b>100S</b>	<b>78</b>	<b>89</b>
401	NDB-1754	1.4	10MS	68	99
402	NDB-1756	9.1	20MS	57	79
403	NDB-1757	0.7	5MS	78	99
404	NDB-1763	25.8	60S	78	89

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