

Table: Seedling resistance test results of NBDSN and NBDSN against leaf, stem & stripe rust during 2019-20 at ICAR-IIWBR, RS, Shimla

S. No.	Line/Variety	PATHOTYPES																
		Brown Rust					Black rust					Yellow rust						
		H1	H2	H4	H5	Mix	11	21A-2	40A	117-6	122	57	24	M	G	Q	6S0	7S0
1.	ABI Kranti	R	MR	S	R	S	R	S	MR	R	MR	S	S	S	R	S	S	S
2.	BH1026	S	MS	MS	MS	S	MR	MS	MS	R	MR	S	S	S	S	S	S	S
3.	BH1027	S	MS	MS	MR	S	S	MR	MR	R	R	S	S	S	S	S	S	S
4.	BH1028	MS	R	MS	S	S	R	MS	MR	MS	R	S	S	S	S	S	S	S
5.	BH1029	MR	R	R	MS	MS	S	S	S	MS	R	R	R	R	R	MS	R	R
6.	BH1030	MS	R	MR	R	MS	MR	MR	R	MR	R	R	R	R	R	R	R	R
7.	BH1031	MS	MS	MR	MS	MS	R	MS	MR	R	R	MS	S	S	R	S	S	S
8.	BH1032	MR	R	R	R	MR	MS	R	R	R	MS	S	MS	MS	S	MS	S	S
9.	BH1033	S	S	S	S	S	S	MR	S	S	MR	MS	MS	S	MX	S	S	MS
10.	BHS478	R	R	R	R	R	MS	R	MR	MR	MR	R	R	R	R	R	R	R
11.	BHS479	R	R	R	R	R	NG	S	S	R	R	R	MR	R	R	R	R	R
12.	BHS480	R	R	R	R	R	S	R	R	R	R	S	S	MS	R	S	MX	S
13.	BHS481	R	R	R	R	R	R	R	R	MR	R	R	R	R	R	R	R	R
14.	BHS482	R	R	R	R	R	MS	R	R	R	R	R	R	R	R	R	R	R
15.	DWRB182	MS	MS	R	R	MS	R	R	R	R	R	R	R	R	R	R	R	R
16.	DWRB196	MR	R	R	R	R	MR	R	S	MR	R	MR	S	S	S	MS	R	S
17.	DWRB197	R	R	R	R	R	R	R	R	R	R	S	S	S	S	S	S	S
18.	DWRB204	R	R	R	R	R	R	R	MR	R	R	S	MS	MS	R	MS	MR	MS
19.	DWRB209	R	R	R	R	R	R	R	R	R	MR	S	S	S	MS	S	S	MS
20.	DWRB210	S	S	R	S	S	R	R	S	R	R	S	R	R	R	R	R	R
21.	DWRB211	MS	NG	R	MR	MS	S	R	R	R	MR	S	S	S	S	S	S	S
22.	DWRB212	MS	R	R	S	S	R	R	R	R	R	S	S	S	R	S	S	S
23.	DWRB213	S	S	MR	R	S	MR	S	MS	MR	MS	R	R	R	R	R	R	R
24.	DWRB214	S	MS	MS	S	S	S	R	MS	MR	R	S	S	S	S	S	S	S
25.	DWRB215	S	R	MR	MR	S	MR	MS	MR	MR	R	S	S	S	S	S	S	S
26.	DWRB216	R	R	R	NG	R	MR	R	S	R	R	R	R	MS	R	MS	S	S
27.	DWRB217	MS	R	R	R	MS	MR	S	MR	R	R	S	MS	R	R	R	R	R
28.	HBL864	MS	MS	R	S	S	MS	R	S	R	R	R	MX	MX	R	R	R	R
29.	HBL865	R	R	R	R	R	S	R	R	MR	R	R	R	R	R	R	R	R
30.	HBL866	R	S	R	R	S	MS	R	R	R	R	R	S	S	R	MS	R	MS
31.	HBL867	R	R	R	R	R	R	R	MR	R	R	R	R	R	R	R	R	R
32.	HBL868	R	R	R	R	R	MS	R	R	MS	R	R	R	R	R	R	R	R
33.	HUB270	S	S	S	S	S	MR	S	S	R	S	MS	S	S	MS	MS	S	S

34.	HUB271	MS	R	R	S	S	MR	MS	S	R	R	R	S	S	S	S	S	S
35.	HUB272	NG	R	MR	R	MR	MR	MR	R	MS	R	R	R	S	R	R	S	R
36.	HUB273	R	R	R	R	R	R	R	MS	R	MR	S	S	S	S	S	MS	MS
37.	HUB274	MS	S	MS	S	S	S	S	S	S	R	MS	S	S	MS	S	S	S
38.	HUB69	S	MS	MR	MS	S	R	MR	MR	R	MR	R	R	R	R	R	R	R
39.	K1149	S	MR	R	MS	S	R	MR	R	R	R	S	S	S	MS	S	R	R
40.	Karan16	R	MS	R	S	S	S	MS	S	MR	MR	S	S	S	MS	S	S	S
41.	KB1707	S	MS	MR	S	S	MS	MR	MR	R	R	R	S	R	S	R	R	R
42.	KB1815	MR	MS	R	MR	MS	MR	R	S	MR	R	MS	S	S	S	S	S	S
43.	KB1816	S	S	R	S	S	MS	S	R	S	S	S	S	S	S	S	S	S
44.	KB1817	MS	S	S	MS	S	R	S	S	R	R	R	R	R	R	R	R	R
45.	KB1822	S	MS	MS	S	S	S	S	MR	MS	S	R	R	R	R	R	R	R
46.	KB1830	S	R	MS	S	S	R	R	S	MS	MR	R	R	R	R	R	R	R
47.	KB1832	R	R	R	MR	MR	S	S	R	MR	R	MS	S	S	S	S	S	MS
48.	KB1843	R	R	R	R	R	MR	R	MS	MS	R	S	S	S	S	S	R	S
49.	KB1845	R	S	R	MR	S	R	R	MR	MR	MR	S	MS	S	S	S	S	S
50.	KB1848	R	R	R	R	R	R	R	R	R	R	MS	R	S	MS	S	R	R
51.	NDB1730	MS	R	R	S	S	S	R	MR	R	R	S	S	S	S	S	S	S
52.	NDB1738	R	R	R	R	R	MR	MS	S	MR	MS	S	S	S	S	S	S	S
53.	NDB1742	MR	R	R	S	S	MR	MS	MR	MS	R	S	S	S	S	S	S	S
54.	NDB1748	R	S	R	R	S	MS	R	MS	R	R	R	MX	S	S	MS	MS	S
55.	PL906	MR	S	R	S	R	MS	MS	S	S	R	R	R	R	R	R	R	R
56.	PL908	R	R	R	R	R	MR	R	MR	MS	R	R	R	R	R	R	R	R
57.	PL911	S	MR	MR	MS	S	MR	S	S	MS	R	R	R	R	R	R	R	R
58.	PL912	S	R	R	MR	S	MR	S	S	R	MR	MS	S	S	MS	S	S	S
59.	PL915	MR	R	R	MS	MS	R	R	R	R	R	R	S	S	S	R	S	S
60.	PL916	R	R	R	R	R	R	MR	S	R	R	R	R	S	MS	S	S	R
61.	PL917	S	S	MS	S	S	MR	S	S	MR	S	MS	S	MS	MS	MS	R	R
62.	PL918	R	R	R	R	R	R	MR	R	R	R	MS	MS	MS	R	MS	MS	R
63.	PL919	R	R	R	R	R	MS	MS	MR	R	R	MS	MS	S	R	MS	S	S
64.	PL920	R	R	R	R	R	S	S	R	R	R	S	S	S	MS	MS	R	R
65.	PL925	R	R	R	R	R	R	R	R	R	R	S	S	S	S	MS	S	MS
66.	RD2994	R	R	R	MS	R	S	MS	MR	R	R	R	R	R	R	R	R	R
67.	RD3011	R	R	R	R	R	MS	R	R	MR	MR	R	S	S	R	R	R	R
68.	RD3012	S	S	MS	S	S	MR	S	S	MR	R	MS	S	S	MX	S	S	MS
69.	RD3013	R	R	R	R	R	MR	MS	S	S	S	S	S	S	S	S	S	S
70.	RD3014	S	R	R	S	S	S	MS	S	MS	MS	S	S	S	S	S	S	S
71.	RD3015	R	R	R	R	R	R	R	MS	R	MS	R	R	R	R	R	R	R

72.	RD3016	R	R	R	R	R	MR	R	R	R	S	R	R	R	R	R	R	R
73.	RD3017	R	R	R	S	S	S	S	S	MR	MS	S	S	S	S	S	S	S
74.	RD3018	MR	R	R	R	MR	S	MR	R	MR	MR	S	S	S	S	S	S	S
75.	RD3019	R	R	R	R	R	MR	R	S	MR	R	R	R	R	R	R	R	R
76.	RD3020	MS	MR	R	S	S	MS	MS	R	S	R	R	R	R	S	R	MX	R
77.	RD3021	R	R	R	R	R	S	S	R	R	R	R	R	R	R	R	R	R
78.	RD3022	R	R	R	R	R	R	R	MS	R	MR	R	R	S	R	S	MS	S
79.	RD3023	S	MR	R	S	S	MR	R	MS	R	R	S	S	S	S	S	S	S
80.	RD3024	S	MR	MR	S	S	MR	R	MR	R	R	S	S	S	S	S	S	S
81.	RD3025	S	S	R	MR	S	MR	R	S	R	MR	S	S	S	S	S	MS	S
82.	RD3026	MR	MR	R	R	MR	S	R	MR	MR	MR	MS	S	S	MS	S	S	S
83.	UPB1080	R	R	R	R	R	S	MS	S	MS	R	S	S	S	S	S	S	S
84.	UPB1083	MS	MS	MS	MS	MS	S	S	S	MR	R	R	R	R	R	R	R	R
85.	UPB1084	MS	R	NG	R	MS	MR	MS	MR	MS	R	S	S	S	MS	S	S	S
86.	UPB1085	R	R	R	R	R	R	MS	MS	MS	R	MS	S	S	S	MS	S	S
87.	UPB1086	R	R	R	R	R	R	R	MS	R	R	R	S	MR	R	MS	MS	R
88.	UPB1087	MR	MR	R	R	MR	S	MR	MR	S	R	S	S	S	S	S	S	S
89.	UPB1088	S	R	R	S	S	MR	MS	R	R	MR	R	R	R	R	R	R	R
90.	UPB1089	S	R	MS	S	S	MR	MS	MR	MR	MR	S	S	S	S	S	S	S
91.	UPB1090	S	MS	MS	S	S	MR	MS	MR	MR	MR	S	S	S	S	MS	S	S
92.	VLB165	R	R	R	R	R	S	R	R	R	R	S	S	S	R	MS	R	R
93.	VLB166	R	R	R	R	R	S	MR	R	R	R	MS	MS	MS	MS	R	R	MS
94.	VLB167	NG	NG	NG	NG	NG	S	R	R	R	NG	NG	S	S	R	S	S	S
95.	VLB168	R	R	R	R	R	MS	S	S	MR	R	R	MS	S	S	MS	R	R
96.	VLB169	R	R	R	R	R	R	R	R	R	R	S	S	S	S	S	R	S
97.	BH902 (C)	S	S	MS	S	S	S	S	S	S	S	R	S	R	R	S	S	S
98.	BH946 (C)	S	S	MR	S	S	S	S	R	MR	MR	MS	S	S	MS	S	S	S
99.	BHS352(C)	MS	S	NG	MS	S	S	R	R	MR	R	S	S	S	S	S	MS	MS
100.	BHS400(C)	R	R	R	R	R	S	MR	MR	MS	R	MS	S	MR	MS	MS	MS	R
101.	DWRB101(C)	S	S	MS	MR	S	MR	R	MR	MR	R	S	S	S	S	S	S	MS
102.	DWRB123(C)	S	S	MS	S	S	MR	R	MR	R	R	S	S	S	S	S	R	S
103.	DWRB137(C)	MS	MS	R	MR	MS	S	MS	S	R	R	R	R	R	R	R	R	R
104.	DWRB160(C)	MR	S	MR	MS	S	S	R	MS	R	R	S	S	S	S	S	S	S
105.	HBL113(C)	R	R	R	R	R	MR	R	R	MR	R	R	R	R	R	R	R	R
106.	K603 (C)	S	MR	MS	S	S	MR	MR	MR	R	MR	MS	S	S	S	S	S	S
107.	Lakhan (C)	S	MR	MS	MS	S	R	MS	MR	R	R	S	S	S	S	S	S	S
108.	NDB1173(C)	S	MS	R	R	S	S	MS	MR	MR	MS	R	S	S	S	S	S	R
109.	NDB943(C)	S	S	R	MS	S	MR	MS	MR	R	R	S	S	S	NG	S	S	S

110.	PL891(I)	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	R	NG	NG	S	NG	S
111.	RD2552(C)	S	R	MR	S	S	S	S	S	R	S	R	R	R	R	R	R	R
112.	RD2794(C)	S	S	R	S	S	R	R	MS	MS	MR	R	R	R	R	R	R	R
113.	RD2849 (C)	MS	MS	R	S	S	MR	R	MS	R	R	S	S	S	R	S	S	S
114.	RD2899(C)	MS	MR	R	MS	S	MR	S	S	MS	MR	R	R	R	R	R	R	R
115.	RD2907(C)	S	MS	R	S	S	R	S	MR	MR	S	R	R	R	R	R	R	R
116.	VLB118(C)	R	R	R	R	R	R	MR	R	R	R	S	S	S	R	MS	S	S

Table Seedling Resistance Test results of EBDSN (2019-20) against Brown, Black & Yellow rust at ICAR-IWBR, RS, Shimla

S. No.	Line/Variety	PATHOTYPES																
		Brown Rust					Black rust					Yellow rust						
		H1	H2	H4	H5	Mix	11	21A-2	40A	117-6	122	57	24	M	G	Q	6S0	7S0
1.	BH-1011	MS	R	R	MR	MS	MS	R	MR	R	R	S	S	S	S	S	S	S
2.	BH-1018	MS	R	R	MS	MS	R	MR	R	R	R	S	S	S	S	S	S	MS
3.	BH-1025	S	R	MR	MS	S	MR	R	R	R	R	MR	R	S	MS	MS	R	R
4.	BK-1714	MR	R	S	R	S	R	S	R	R	R	R	R	R	R	R	R	R
5.	BK-1719(LB)	R	R	R	R	R	MS	MS	MR	R	R	MS	MS	S	MS	MS	S	MS
6.	DWRB-101	MS	R	R	R	MS	MR	MR	R	R	R	MS	S	S	R	S	S	MS
7.	DWRB-123	MS	R	R	MR	MS	MS	R	R	R	MR	S	S	S	R	S	R	R
8.	DWRB-137	MR	R	MR	R	R	S	MS	S	R	MR	R	R	R	R	R	R	R
9.	DWRB-137	MS	R	MR	R	MS	S	MS	S	MR	R	R	R	R	R	R	R	R
10.	DWRB-182	MR	R	R	R	MR	R	R	R	R	R	R	R	R	R	R	R	R
11.	DWRB-184	R	R	R	R	R	MR	MR	R	R	R	S	S	S	R	MS	S	S
12.	DWRB-197	R	R	R	R	R	R	R	R	R	R	S	S	S	S	S	S	S
13.	DWRB-198	MS	R	R	MS	MS	MS	MR	MR	R	R	S	S	S	S	S	S	S
14.	HBL-113	R	R	R	R	R	MR	R	R	R	NG	R	R	R	R	R	R	R
15.	HBL-845	R	R	R	R	R	S	MR	MR	R	R	R	R	R	R	R	R	R
16.	HBL-848	S	S	R	R	S	S	S	MR	R	MS	R	R	R	R	R	R	R
17.	HBL-851	R	R	R	R	R	MR	S	R	R	R	MS	MS	MS	R	R	S	MS
18.	HBL-858	S	S	MS	MR	S	R	MS	R	R	R	R	MS	MS	MS	MS	MS	MS
19.	HBL-863	R	R	R	R	R	S	MR	MS	R	R	R	R	R	R	R	R	R
20.	HUB-268(LB)	S	S	MR	R	S	MS	S	MR	R	MR	S	S	S	MS	S	S	S
21.	KB-1633	R	R	R	R	R	MR	S	S	R	S	S	S	S	S	S	S	S
22.	KB-1750	MS	MR	R	R	MS	MS	S	MS	R	R	S	S	S	S	S	S	S
23.	KB-1757	R	R	R	R	R	R	MR	R	R	R	S	S	S	S	R	S	S
24.	PL-891	NG	R	NG	NG	NG	NG	R	R	R	NG	NG	NG	R	NG	R	R	NG
25.	PL-906	S	MS	R	R	S	R	S	S	MR	S	R	R	R	R	R	R	R
26.	PL-908	R	R	R	R	R	MR	S	MR	MS	R	R	R	R	R	R	R	R
27.	PL-909	S	MS	R	R	S	R	S	R	MR	S	R	R	R	R	R	R	R
28.	PL-2899	MS	MS	R	R	MS	MR	S	MR	R	MS	R	R	R	R	R	R	R
29.	PL-2980	S	MR	MS	MR	S	R	S	S	R	S	R	R	R	R	R	R	R
30.	PL-2981	R	R	R	R	MR	MR	S	S	R	S	R	R	R	R	R	R	R
31.	PL-2994	R	MR	R	R	R	MR	S	S	R	MS	R	R	R	R	R	R	R
32.	PL-2999	R	R	R	R	R	MR	R	MR	R	MR	R	R	R	R	R	R	R

33.	PL-3000	R	R	R	R	R	MS	MS	S	R	R	R	R	R	R	R	R	R
34.	PL-3002	R	R	R	R	R	R	S	MR	MR	MR	R	R	R	R	R	R	R
35.	PL-3003	R	R	R	R	R	R	MS	MS	MR	MR	R	R	R	R	R	R	R
36.	PL-3004	R	R	R	R	R	R	S	MS	MR	MR	R	R	R	R	R	R	R
37.	PL-3005	MS	S	R	R	S	R	S	MR	MS	MS	R	R	R	R	R	R	R
38.	PL-3007	R	S	R	R	S	MR	MR	R	MS	R	S	S	S	S	S	S	S
39.	PL-3008(LB)	R	MS	R	R	MS	R	S	R	R	R	MS	MS	MS	MS	S	R	MS
40.	PL-3009(LB)	R	R	R	R	R	MR	MR	MR	R	MR	S	S	S	S	S	MS	R
41.	PL-3010	MS	R	R	MR	MS	R	R	R	R	R	R	S	S	R	S	MX	R
42.	UPB-1078	R	R	R	R	R	R	R	R	R	R	MR	S	S	S	S	S	R
43.	VLB-130	R	R	R	R	R	MR	S	R	R	R	R	MS	MS	S	MS	R	R
44.	VLB-164	R	R	R	R	R	MR	MS	MR	R	R	R	MS	S	R	MS	S	S