

Disease susceptibility of interspecific cold-hardy grape cultivars in Northeastern U.S.A.

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Supplementary Materials

Table S1. Horsfall-Barratt disease range used for data collection.¹

Horsfall-Barratt rating	Horsfall-Barratt percent disease range	Rating value recorded on data sheet	Percent conversion
0	0	0	0
1	0-3	3	2.34
2	4-6	6	4.68
3	7-12	12	9.37
4	13-25	25	18.75
5	26-50	50	37.5
6	51-75	75	62.5
7	76-87	87	81.25
8	88-94	94	90.63
9	95-97	97	95.31
10	98-99	99	97.66
11	100	100	100

¹ Horsfall, J.G., Barratt, R.W. An improved grading system for measuring plant diseases. *Phytopathology* 1945, 35, 655.

Table S2. Weather conditions during the growing season.¹

Month	Year	Avg air temp (°C)	Max air temp (°C)	Min air temp (°C)	Total precip (mm)	Total leaf wetness hours	RH hours ≥ 90%
May	2018	15.9	29.0	-0.2	51.3	87	107
June	2018	18.2	32.5	5.3	77.7	131	126
July	2018	23.7	35.6	9.7	56.1	87	59
August	2018	22.4	33.7	9.2	58.4	115	116
September	2018	17.7	33.1	3.2	75.9	123	113
Total	2018	-	-	-	319.4	543	521
May	2019	12.1	25.3	-0.1	122.4	206	86
June	2019	18.2	30.8	5.2	117.6	152	75
July	2019	23.2	34.1	9.8	41.9	66	10
August	2019	20.6	31.4	9.3	62.7	110	24
September	2019	16.1	28.3	3.1	88.9	242	14
Total	2019	-	-	-	433.5	776	209

¹ Weather data collected with onsite Rainwise MKII weather Station (Boothwyn, PA).