Article

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

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