

Hamden CT Black Rot - Grape From 2010-09-22 To 2010-10-06

| Date  | High Temp | Low Temp | Wet Hours | Daily Risk | Warning        |
|-------|-----------|----------|-----------|------------|----------------|
| 09/22 | 85.1      | 57.5     | 9.5       | 0.68       |                |
| 09/23 | 79.7      | 60.4     | 9.3       | 1.66       | Infection Risk |
| 09/24 | 80.2      | 58.3     | 13.0      | 0.98       |                |
| 09/25 | 85.8      | 64.1     | 7.8       | 2.15       | Infection Risk |
| 09/26 | 73.4      | 57.1     |           | 0.00       |                |
| 09/27 | 62.4      | 57.5     | 20.5      | 2.19       | Infection Risk |
| 09/28 | 73.7      | 62.6     | 17.5      | 5.21       | Infection Risk |
| 09/29 | 79.5      | 62.7     | 13.3      | 6.56       | Infection Risk |
| 09/30 | 76.1      | 63.5     | 11.8      | 2.55       | Infection Risk |
| 10/01 | 75.0      | 56.0     | 17.8      | 2.38       | Infection Risk |
| 10/02 | 67.4      | 45.0     | 0.8       | 0.03       |                |
| 10/03 | 61.0      | 42.8     | 1.8       | 0.09       |                |
| 10/04 | 57.7      | 50.5     | 8.0       | 0.55       |                |
| 10/05 | 58.0      | 52.1     | 24.0      | 2.17       | Infection Risk |
| 10/06 | 56.4      | 53.0     | 9.3       | 2.78       | Infection Risk |

Hamden CT Botrytis - Grape From 2010-09-22 To 2010-10-06

| Date  | High Temp | Low Temp | Wet Hours | RH>95 Hours | Daily Risk | Warning                 |
|-------|-----------|----------|-----------|-------------|------------|-------------------------|
| 09/22 | 85.1      | 57.5     | 9.5       | 4.3         | 0.00       |                         |
| 09/23 | 79.7      | 60.4     | 9.3       | 4.8         | 0.00       |                         |
| 09/24 | 80.2      | 58.3     | 13.0      | 11.5        | 0.39       | Low Infection Risk      |
| 09/25 | 85.8      | 64.1     | 7.8       | 8.0         | 0.00       |                         |
| 09/26 | 73.4      | 57.1     |           |             | 0.00       |                         |
| 09/27 | 62.4      | 57.5     | 20.5      | 19.3        | 1.97       | High Infection Risk     |
| 09/28 | 73.7      | 62.6     | 17.5      | 13.5        | 1.71       | High Infection Risk     |
| 09/29 | 79.5      | 62.7     | 13.3      | 9.5         | 0.61       | Moderate Infection Risk |
| 09/30 | 76.1      | 63.5     | 11.8      | 12.0        | 0.49       | Low Infection Risk      |
| 10/01 | 75.0      | 56.0     | 17.8      | 10.0        | 1.56       | High Infection Risk     |
| 10/02 | 67.4      | 45.0     | 2.5       | 1.3         | 0.00       |                         |
| 10/03 | 61.0      | 42.8     | 2.5       |             | 0.00       |                         |
| 10/04 | 57.7      | 50.5     | 8.0       | 1.5         | 0.00       |                         |
| 10/05 | 58.0      | 52.1     | 24.0      | 24.0        | 2.44       | High Infection Risk     |
| 10/06 | 56.4      | 53.0     | 9.3       | 9.3         | 0.00       |                         |

Hamden CT Downy Mildew - Grape From 2010-09-22 To 2010-10-06

| Date  | High Temp | Deg Hrs43 | Rain Fall | Wet Hours | Hours>95%RH 43-86 | 66-77 | Risk | Warning                |
|-------|-----------|-----------|-----------|-----------|-------------------|-------|------|------------------------|
| 09/22 | 85.1      | 0.0       | 0.35      | 9.5       | 2.5               | 2.5   | 1    | Primary Infection      |
| 09/23 | 79.7      | >min      | 0.01      | 9.3       | 4.0               | 2.3   | 3    | High Risk of Infection |
| 09/24 | 80.2      | >min      |           | 13.0      | 8.0               | 3.8   | 3    | High Risk of Infection |
| 09/25 | 85.8      | >min      |           | 7.8       | 8.0               | 4.0   | 3    | High Risk of Infection |
| 09/26 | 73.4      | >min      |           |           | 0.0               | 0.0   | 0    |                        |
| 09/27 | 62.4      | >min      | 0.53      | 20.5      | 18.5              | 0.0   | 1    | Possible Infection     |
| 09/28 | 73.7      | >min      | 0.48      | 17.5      | 10.8              | 10.5  | 3    | High Risk of Infection |
| 09/29 | 79.5      | >min      |           | 13.3      | 7.5               | 2.3   | 3    | High Risk of Infection |
| 09/30 | 76.1      | >min      | 0.62      | 11.8      | 10.3              | 5.8   | 3    | High Risk of Infection |
| 10/01 | 75.0      | >min      | 2.17      | 17.8      | 9.5               | 0.0   | 1    | Possible Infection     |
| 10/02 | 67.4      | >min      |           | 2.5       | 0.8               | 0.0   | 1    | Possible Infection     |
| 10/03 | 61.0      | >min      |           | 2.5       | 0.0               | 0.0   | 0    |                        |
| 10/04 | 57.7      | >min      | 0.11      | 8.0       | 1.0               | 0.0   | 1    | Possible Infection     |
| 10/05 | 58.0      | >min      | 0.07      | 24.0      | 24.0              | 0.0   | 1    | Possible Infection     |
| 10/06 | 56.4      | >min      | 0.02      | 9.3       | 9.3               | 0.0   | 1    | Possible Infection     |

Hamden CT Powdery Mildew - Grape From 2010-09-22 To 2010-10-06

| Date  | Temperature High | Temperature Mean | Hours 70-85 | Hours >95 | Wet Hours | Ascospore Infection | Conidial Index |
|-------|------------------|------------------|-------------|-----------|-----------|---------------------|----------------|
| 09/22 | 85.1             | 70.6             | 11.3        | 0.0       | 9.5       |                     |                |
| 09/23 | 79.7             | 68.1             | 8.0         | 0.0       | 9.3       |                     |                |
| 09/24 | 80.2             | 68.8             | 10.8        | 0.0       | 12.8      |                     | 60 Heavy       |
| 09/25 | 85.8             | 73.5             | 7.8         | 0.0       | 7.8       | Heavy               | 80 Heavy       |
| 09/26 | 73.4             | 63.8             | 5.0         | 0.0       | 0.0       |                     | 70 Heavy       |
| 09/27 | 62.4             | 60.0             | 0.0         | 0.0       | 20.5      | Heavy               | 60 Heavy       |
| 09/28 | 73.7             | 71.6             | 23.5        | 0.0       | 16.3      | Heavy               | 80 Heavy       |
| 09/29 | 79.5             | 70.0             | 10.0        | 0.0       | 13.0      | Heavy               | 100 Heavy      |
| 09/30 | 76.1             | 71.5             | 16.5        | 0.0       | 11.5      | Heavy               | 100 Heavy      |
| 10/01 | 75.0             | 64.9             | 7.5         | 0.0       | 14.3      | Heavy               | 100 Heavy      |
| 10/02 | 67.4             | 56.2             | 0.0         | 0.0       | 2.5       |                     | 90 Heavy       |
| 10/03 | 61.0             | 51.2             | 0.0         | 0.0       | 2.5       |                     | 80 Heavy       |
| 10/04 | 57.7             | 53.5             | 0.0         | 0.0       | 8.0       |                     | 70 Heavy       |
| 10/05 | 58.0             | 54.7             | 0.0         | 0.0       | 24.0      | Heavy               | 60 Heavy       |
| 10/06 | 56.4             | 54.5             | 0.0         | 0.0       | 9.3       | Heavy               | 50 Medium      |

Hamden CT Phomopsis Cane+Leaf Spot - Grape From 2010-09-22 To 2010-10-06

| Date  | Temp Mean | Wet Hours | Rain-Fall | Wet+Rain | Wet Temp | Disease Intensity |             |
|-------|-----------|-----------|-----------|----------|----------|-------------------|-------------|
|       |           |           |           |          |          | Catawba           | Seyval      |
| 09/22 | 70.6      | 10.5      | 0.35      | 3.0      | 68.4     | 8 Light           | 21 Light    |
| 09/23 | 68.1      | 9.8       | 0.01      | 11.3     | 65.3     | 55 Moderate       | 84 Moderate |
| 09/24 | 68.8      | 13.5      | 0.00      | 0.0      | 0.0      | 0                 | 0           |
| 09/25 | 73.5      | 7.8       | 0.00      | 0.0      | 0.0      | 0                 | 0           |
| 09/26 | 63.8      | 0.0       | 0.00      | 0.0      | 0.0      | 0                 | 0           |
| 09/27 | 60.0      | 20.8      | 0.53      | 19.0     | 60.1     | 111 High          | 130 High    |
| 09/28 | 71.6      | 20.3      | 0.48      | 29.0     | 63.7     | 213 High          | 221 High    |
| 09/29 | 70.0      | 13.5      | 0.00      | 0.0      | 0.0      | 0                 | 0           |
| 09/30 | 71.5      | 16.3      | 0.62      | 7.3      | 71.1     | 25 Light          | 52 Moderate |
| 10/01 | 64.9      | 20.0      | 2.17      | 19.5     | 62.3     | 120 High          | 142 High    |
| 10/02 | 56.2      | 2.8       | 0.00      | 0.0      | 0.0      | 0                 | 0           |
| 10/03 | 51.2      | 3.5       | 0.00      | 0.0      | 0.0      | 0                 | 0           |
| 10/04 | 53.5      | 8.5       | 0.11      | 5.3      | 52.4     | 11 Light          | 21 Light    |
| 10/05 | 54.7      | 24.0      | 0.07      | 27.8     | 54.5     | 147 High          | 145 High    |
| 10/06 | 54.5      | 9.3       | 0.02      | 37.5     | 54.5     | 226 High          | 198 High    |

Wet+Rain is the number of rain-initiated leaf wetness hours  
Wet Temp is the mean temperature during the rain-initiated wetness period  
Disease Intensity projects the estimated lesions per leaf