

Deerfield_Risk_6_5_2009.txt

Deerfield, MA Black Rot - Grape From 2009-05-24 To 2009-06-05

| Date | High Temp | Low Temp | Wet Hours | Daily Risk | Warning |
|-------|-----------|----------|-----------|------------|----------------|
| 05/24 | 79.9 | 52.7 | 5.8 | 0.36 | |
| 05/25 | 77.5 | 51.1 | 2.8 | 0.16 | |
| 05/26 | 64.0 | 38.4 | 0.3 | 0.01 | |
| 05/27 | 52.2 | 46.3 | 15.0 | 0.73 | |
| 05/28 | 51.6 | 48.0 | 24.0 | 1.75 | Infection Risk |
| 05/29 | 69.4 | 47.3 | 10.0 | 2.56 | Infection Risk |
| 05/30 | 74.8 | 48.4 | 10.0 | 3.33 | Infection Risk |
| 05/31 | 74.6 | 41.4 | 4.0 | 0.41 | |
| 06/01 | 70.0 | 34.6 | | 0.00 | |
| 06/02 | 78.9 | 50.1 | 1.8 | 0.09 | |
| 06/03 | 68.5 | 52.4 | 1.8 | 0.10 | |
| 06/04 | 74.5 | 48.4 | 8.5 | 0.28 | |
| 06/05 | 57.4 | 49.6 | 7.0 | 0.58 | |

Deerfield, MA Botrytis - Grape From 2009-05-24 To 2009-06-05

| Date | High Temp | Low Temp | Wet Hours | RH>95 Hours | Daily Risk | Warning |
|-------|-----------|----------|-----------|-------------|------------|---------------------|
| 05/24 | 79.9 | 52.7 | 5.8 | | 0.00 | |
| 05/25 | 77.5 | 51.1 | 2.8 | | 0.00 | |
| 05/26 | 64.0 | 38.4 | 0.3 | | 0.00 | |
| 05/27 | 52.2 | 46.3 | 23.8 | 16.3 | 2.10 | High Infection Risk |
| 05/28 | 51.6 | 48.0 | 24.0 | 21.5 | 2.14 | High Infection Risk |
| 05/29 | 69.4 | 47.3 | 16.5 | 14.8 | 1.05 | High Infection Risk |
| 05/30 | 74.8 | 48.4 | 10.0 | 6.8 | 0.00 | |
| 05/31 | 74.6 | 41.4 | 10.5 | 4.3 | 0.00 | |
| 06/01 | 70.0 | 34.6 | 0.3 | | 0.00 | |
| 06/02 | 78.9 | 50.1 | 1.8 | | 0.00 | |
| 06/03 | 68.5 | 52.4 | 1.8 | | 0.00 | |
| 06/04 | 74.5 | 48.4 | 8.5 | | 0.00 | |
| 06/05 | 57.4 | 49.6 | 7.0 | | 0.00 | |

Deerfield, MA Downy Mildew - Grape From 2009-05-24 To 2009-06-05

| Date | High Temp | Deg Hrs43 | Rain Fall | Wet Hours | Hours>95%RH 43-86 | 66-77 | Risk | Warning |
|-------|-----------|-----------|-----------|-----------|-------------------|-------|------|--------------------|
| 05/24 | 79.9 | 0.0 | 0.01 | 5.8 | 0.0 | 0.0 | 0 | Primary Infection |
| 05/25 | 77.5 | >min | | 2.8 | 0.0 | 0.0 | 0 | |
| 05/26 | 64.0 | >min | | 0.3 | 0.0 | 0.0 | 0 | |
| 05/27 | 52.2 | >min | 0.79 | 23.8 | 10.8 | 0.0 | 1 | Possible Infection |
| 05/28 | 51.6 | >min | 0.14 | 24.0 | 20.3 | 0.0 | 1 | Possible Infection |
| 05/29 | 69.4 | >min | 0.23 | 16.5 | 13.5 | 0.0 | 1 | Possible Infection |
| 05/30 | 74.8 | >min | | 10.0 | 6.5 | 0.0 | 1 | Possible Infection |
| 05/31 | 74.6 | >min | 0.09 | 8.5 | 1.0 | 0.0 | 1 | Possible Infection |
| 06/01 | 70.0 | >min | | | 0.0 | 0.0 | 0 | |
| 06/02 | 78.9 | >min | | 1.8 | 0.0 | 0.0 | 0 | |
| 06/03 | 68.5 | >min | | 1.8 | 0.0 | 0.0 | 0 | |
| 06/04 | 74.5 | >min | | 8.5 | 0.0 | 0.0 | 0 | |
| 06/05 | 57.4 | >min | | 7.0 | 0.0 | 0.0 | 0 | |

Deerfield, MA Powdery Mildew - Grape From 2009-05-24 To 2009-06-05

| Date | Temperature High | Mean | Hours 70-85 | Hours >95 | Wet Hours | Ascospore Infection | Conidial Index |
|-------|------------------|------|-------------|-----------|-----------|---------------------|----------------|
| 05/24 | 79.9 | 64.4 | 5.8 | 0.0 | 5.8 | | |

Deerfield_Risk_6_5_2009.txt

| | | | | | | |
|-------|------|------|-----|-----|------|-------|
| 05/25 | 77.5 | 65.7 | 8.8 | 0.0 | 2.8 | |
| 05/26 | 64.0 | 54.0 | 0.0 | 0.0 | 0.3 | |
| 05/27 | 52.2 | 49.5 | 0.0 | 0.0 | 23.8 | Heavy |
| 05/28 | 51.6 | 49.6 | 0.0 | 0.0 | 24.0 | Heavy |
| 05/29 | 69.4 | 56.3 | 0.0 | 0.0 | 16.3 | Heavy |
| 05/30 | 74.8 | 63.1 | 8.0 | 0.0 | 10.0 | Heavy |
| 05/31 | 74.6 | 55.4 | 3.0 | 0.0 | 10.5 | |
| 06/01 | 70.0 | 54.7 | 0.3 | 0.0 | 2.8 | |
| 06/02 | 78.9 | 64.3 | 7.8 | 0.0 | 1.8 | |
| 06/03 | 68.5 | 59.6 | 0.0 | 0.0 | 1.8 | |
| 06/04 | 74.5 | 61.6 | 6.3 | 0.0 | 8.0 | |
| 06/05 | 57.4 | 52.3 | 0.0 | 0.0 | 6.8 | |

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Deerfield, MA Phomopsis Cane+Leaf Spot - Grape From 2009-05-24 To 2009-06-05

| Date | Temp Mean | Wet Hours | Rain-Fall | Wet+Rain | Wet Temp | Di sease Catawba | Intensi ty Seyval |
|-------|-----------|-----------|-----------|----------|----------|------------------|-------------------|
| 05/24 | 64.4 | 6.0 | 0.01 | 5.5 | 53.9 | 14 Light | 26 Light |
| 05/25 | 65.7 | 2.8 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 05/26 | 54.0 | 0.3 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 05/27 | 49.5 | 23.8 | 0.79 | 22.0 | 49.5 | 60 Moderate | 67 Moderate |
| 05/28 | 49.6 | 24.0 | 0.14 | 46.0 | 49.5 | 174 High | 147 High |
| 05/29 | 56.3 | 16.5 | 0.23 | 62.3 | 50.2 | 299 High | 221 High |
| 05/30 | 63.1 | 10.0 | 0.00 | 13.0 | 58.8 | 62 Moderate | 84 Moderate |
| 05/31 | 55.4 | 10.5 | 0.09 | 1.5 | 63.9 | 3 Light | 10 Light |
| 06/01 | 54.7 | 0.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 06/02 | 64.3 | 2.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 06/03 | 59.6 | 2.8 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 06/04 | 61.6 | 8.8 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 06/05 | 52.3 | 7.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |

Leaf Wetness Sensor Parameters:

Base Temperature 41.0
 Upper Temperature 95.9
 Wetness Threshold 3.0

Wet+Rain is the number of rain-initiated leaf wetness hours
 Wet Temp is the mean temperature during the rain-initiated wetness period
 Di sease Intensi ty projects the estimated lesions per leaf