

Windsor 2011 Black Rot - Grape From 2011-07-15 To 2011-08-01

| Date | High Temp | Low Temp | Wet Hours | Daily Risk | Warning |
|-------|-----------|----------|-----------|------------|----------------|
| 07/15 | 88.7 | 56.0 | 7.8 | 0.74 | |
| 07/16 | 92.5 | 60.2 | 7.5 | 0.94 | |
| 07/17 | 92.4 | 63.5 | 7.5 | 1.19 | Infection Risk |
| 07/18 | 86.8 | 70.3 | 3.5 | 0.57 | |
| 07/19 | 92.0 | 68.0 | 9.8 | 1.78 | Infection Risk |
| 07/20 | 90.4 | 64.2 | 8.0 | 1.66 | Infection Risk |
| 07/21 | 95.8 | 72.1 | 7.0 | 1.26 | Infection Risk |
| 07/22 | 102.6 | 73.9 | 5.3 | 0.75 | |
| 07/23 | 99.0 | 68.5 | 5.3 | 0.70 | |
| 07/24 | 88.1 | 71.7 | 14.0 | 2.39 | Infection Risk |
| 07/25 | 72.9 | 62.4 | 8.8 | 2.57 | Infection Risk |
| 07/26 | 87.6 | 63.3 | 15.8 | 2.35 | Infection Risk |
| 07/27 | 84.9 | 59.4 | 9.0 | 2.20 | Infection Risk |
| 07/28 | 86.4 | 61.3 | 7.5 | 1.21 | Infection Risk |
| 07/29 | 76.2 | 71.3 | 7.0 | 1.08 | Infection Risk |
| 07/30 | 88.2 | 67.3 | 10.5 | 2.40 | Infection Risk |
| 07/31 | 90.1 | 63.1 | 7.8 | 1.63 | Infection Risk |
| 08/01 | 88.2 | 65.7 | 5.8 | 0.95 | |

Windsor 2011 Botrytis - Grape From 2011-07-15 To 2011-08-01

| Date | High Temp | Low Temp | Wet Hours | RH>95 Hours | Daily Risk | Warning |
|-------|-----------|----------|-----------|-------------|------------|-------------------------|
| 07/15 | 88.7 | 56.0 | 7.8 | 5.3 | 0.00 | |
| 07/16 | 92.5 | 60.2 | 7.5 | 5.5 | 0.00 | |
| 07/17 | 92.4 | 63.5 | 7.5 | 4.8 | 0.00 | |
| 07/18 | 86.8 | 70.3 | 3.5 | | 0.00 | |
| 07/19 | 92.0 | 68.0 | 9.8 | 5.0 | 0.00 | |
| 07/20 | 90.4 | 64.2 | 8.0 | 7.0 | 0.00 | |
| 07/21 | 95.8 | 72.1 | 7.0 | 2.3 | 0.00 | |
| 07/22 | 102.6 | 73.9 | 5.3 | 1.8 | 0.00 | |
| 07/23 | 99.0 | 68.5 | 5.3 | | 0.00 | |
| 07/24 | 88.1 | 71.7 | 14.0 | 6.8 | 0.59 | Moderate Infection Risk |
| 07/25 | 72.9 | 62.4 | 8.8 | 6.8 | 0.00 | |
| 07/26 | 87.6 | 63.3 | 15.8 | 16.0 | 1.31 | High Infection Risk |
| 07/27 | 84.9 | 59.4 | 9.0 | 7.5 | 0.00 | |
| 07/28 | 86.4 | 61.3 | 7.5 | 6.8 | 0.00 | |
| 07/29 | 76.2 | 71.3 | 7.0 | 5.0 | 0.00 | |
| 07/30 | 88.2 | 67.3 | 10.5 | 7.0 | 0.00 | |
| 07/31 | 90.1 | 63.1 | 7.8 | 6.8 | 0.00 | |
| 08/01 | 88.2 | 65.7 | 5.8 | 4.3 | 0.00 | |

Windsor 2011 Downy Mildew - Grape From 2011-07-15 To 2011-08-01

| Date | High Temp | Deg Hrs43 | Rain Fall | Wet Hours | Hours>95%RH 43-86 | 66-77 | Risk | Warning |
|-------|-----------|-----------|-----------|-----------|-------------------|-------|------|------------------------|
| 07/15 | 88.7 | 0.0 | | 7.8 | 4.5 | 0.0 | 1 | Primary Infection |
| 07/16 | 92.5 | >min | | 7.5 | 5.0 | 0.0 | 1 | Possible Infection |
| 07/17 | 92.4 | >min | | 7.5 | 4.0 | 0.3 | 1 | Possible Infection |
| 07/18 | 86.8 | >min | 0.05 | 3.5 | 0.0 | 0.0 | 0 | |
| 07/19 | 92.0 | >min | | 9.8 | 4.3 | 4.3 | 3 | High Risk of Infection |
| 07/20 | 90.4 | >min | | 8.0 | 6.5 | 2.5 | 3 | High Risk of Infection |
| 07/21 | 95.8 | >min | | 7.0 | 0.0 | 0.0 | 0 | |
| 07/22 | 102.6 | >min | | 5.3 | 0.3 | 0.3 | 0 | |
| 07/23 | 99.0 | >min | | 5.3 | 0.0 | 0.0 | 0 | |
| 07/24 | 88.1 | >min | 0.03 | 14.0 | 4.8 | 4.8 | 3 | High Risk of Infection |
| 07/25 | 72.9 | >min | 0.31 | 8.8 | 6.8 | 0.0 | 1 | Possible Infection |
| 07/26 | 87.6 | >min | 0.53 | 15.8 | 15.8 | 7.3 | 3 | High Risk of Infection |
| 07/27 | 84.9 | >min | | 9.0 | 7.5 | 0.0 | 1 | Possible Infection |
| 07/28 | 86.4 | >min | | 7.5 | 5.3 | 0.0 | 1 | Possible Infection |
| 07/29 | 76.2 | >min | 0.03 | 7.0 | 2.5 | 2.5 | 3 | High Risk of Infection |
| 07/30 | 88.2 | >min | 0.01 | 10.5 | 6.3 | 6.3 | 3 | High Risk of Infection |
| 07/31 | 90.1 | >min | | 7.8 | 6.3 | 0.5 | 3 | High Risk of Infection |
| 08/01 | 88.2 | >min | | 5.8 | 3.8 | 2.0 | 3 | High Risk of Infection |

SpecWare 9 Pro - Windsor2011 Powdery Mildew - Grape From 2011-07-15 To 2011-08-01

| Date | Temperature High | Temperature Mean | Hours 70-85 | Hours >95 | Wet Hours | Ascospore Infection | Conidial Index |
|-------|------------------|------------------|-------------|-----------|-----------|---------------------|----------------|
| 07/15 | 88.7 | 71.7 | 12.3 | 0.0 | 7.5 | | |
| 07/16 | 92.5 | 75.4 | 4.8 | 0.0 | 7.3 | | |
| 07/17 | 92.4 | 78.7 | 4.8 | 0.0 | 7.5 | | |
| 07/18 | 86.8 | 77.2 | 24.0 | 0.0 | 3.0 | | |
| 07/19 | 92.0 | 78.6 | 5.0 | 0.0 | 9.0 | | |
| 07/20 | 90.4 | 77.2 | 5.5 | 0.0 | 7.8 | | |
| 07/21 | 95.8 | 83.2 | 15.3 | 0.8 | 7.0 | | |
| 07/22 | 102.6 | 88.0 | 10.8 | 8.5 | 4.0 | | |
| 07/23 | 99.0 | 81.1 | 14.0 | 2.3 | 4.8 | | 60 Heavy |
| 07/24 | 88.1 | 77.9 | 19.8 | 0.0 | 13.3 | Heavy | 80 Heavy |
| 07/25 | 72.9 | 68.6 | 17.8 | 0.0 | 8.5 | Heavy | 100 Heavy |
| 07/26 | 87.6 | 70.6 | 5.3 | 0.0 | 15.8 | Heavy | 90 Heavy |
| 07/27 | 84.9 | 71.9 | 14.5 | 0.0 | 9.0 | Heavy | 100 Heavy |
| 07/28 | 86.4 | 74.1 | 14.5 | 0.0 | 7.3 | | 100 Heavy |
| 07/29 | 76.2 | 74.0 | 24.0 | 0.0 | 6.5 | | 100 Heavy |
| 07/30 | 88.2 | 78.1 | 4.8 | 0.0 | 10.5 | Heavy | 90 Heavy |
| 07/31 | 90.1 | 76.6 | 5.3 | 0.0 | 7.8 | | 80 Heavy |
| 08/01 | 88.2 | 72.7 | 7.0 | 0.0 | 5.8 | | 100 Heavy |

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-15 To 2011-08-01

| Date | Temp Mean | Wet Hours | Rain- Fall | Wet+ Rain | Wet Temp | Disease Intensity | |
|-------|--------------|--------------|---------------|--------------|-------------|-------------------|-------------|
| | | | | | | Catawba | Seyval |
| 07/15 | 71.7 | 7.8 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/16 | 75.4 | 8.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/17 | 78.7 | 7.5 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/18 | 77.2 | 5.5 | 0.05 | 0.5 | 78.4 | 0 Light | 3 Light |
| 07/19 | 78.6 | 10.8 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/20 | 77.2 | 9.8 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/21 | 83.2 | 7.5 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/22 | 88.0 | 6.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/23 | 81.1 | 7.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/24 | 77.9 | 15.3 | 0.03 | 1.8 | 76.4 | 2 Light | 10 Light |
| 07/25 | 68.6 | 9.5 | 0.31 | 7.5 | 64.3 | 31 Moderate | 55 Moderate |
| 07/26 | 70.6 | 15.8 | 0.53 | 23.0 | 65.3 | 152 High | 177 High |
| 07/27 | 71.9 | 9.3 | 0.00 | 15.0 | 64.5 | 83 Moderate | 113 High |
| 07/28 | 74.1 | 7.5 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 07/29 | 74.0 | 11.3 | 0.03 | 0.3 | 74.8 | 0 Light | 1 Light |
| 07/30 | 78.1 | 11.3 | 0.01 | 8.0 | 71.7 | 28 Light | 57 Moderate |
| 07/31 | 76.6 | 8.0 | 0.00 | 0.0 | 0.0 | 0 | 0 |
| 08/01 | 72.7 | 6.5 | 0.00 | 0.0 | 0.0 | 0 | 0 |

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