

Disease Risk Reports for Newport, Griswold, Hamden, and Windsor, 8/21 to 8/26/2009

Note: no report for New Preston this week due to datalogger malfunction

Hamden CT Black Rot - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/21	81.4	77.7	24.0	3.25	Infection Risk
08/22	79.8	76.6	24.0	6.63	Infection Risk
08/23	78.9	76.0	22.3	9.89	Infection Risk
08/24	79.0	75.3	19.8	12.85	Infection Risk
08/25	79.0	74.7	19.0	15.74	Infection Risk
08/26	78.6	74.3	16.8	18.32	Infection Risk

Hamden CT Botrytis - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/21	81.4	77.7	24.0	13.5	2.44	High Infection Risk
08/22	79.8	76.6	24.0	11.3	2.55	High Infection Risk
08/23	78.9	76.0	22.3	10.5	2.25	High Infection Risk
08/24	79.0	75.3	19.8	9.8	1.74	High Infection Risk
08/25	79.0	74.7	19.0	2.0	1.61	High Infection Risk
08/26	78.6	74.3	16.8	7.5	1.14	High Infection Risk

Hamden CT Downy Mildew - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Deg Hrs43	Rain	Wet Hours	Hours>95%RH	Daily Risk	Warning
08/21	81.4	0.0	0.11	24.0	12.5	0.0	1 Primary Infection
08/22	79.8	>min	0.49	24.0	10.8	3.3	3 High Risk of Infection
08/23	78.9	>min	22.3	9.5	3.3	3	High Risk of Infection
08/24	79.0	>min	19.8	8.8	3.8	3	High Risk of Infection
08/25	79.0	>min	19.0	0.5	0.0	1	Possible Infection
08/26	78.6	>min	16.8	7.5	6.5	3	High Risk of Infection

Hamden CT Powdery Mildew - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Mean Temp	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/21	81.4	79.3	24.0	0.0	18.5		
08/22	79.8	78.3	24.0	0.0	15.3		
08/23	78.9	77.5	24.0	0.0	15.0	60	Heavy

08/24	79.0	77.2	24.0	0.0	14.5	80	Heavy
08/25	79.0	76.8	24.0	0.0	14.0	100	Heavy
08/26	78.6	76.5	23.8	0.0	9.8	100	Heavy

Hamden CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-21 To 2009-08-26

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/21	79.3	24.0	0.11	6.3	80.5	10 Light	30 Moderate
08/22	78.3	24.0	0.49	30.3	78.8	113 High	175 High
08/23	77.5	24.0	0.00	54.3	78.2	276 High	332 High
08/24	77.2	24.0	0.00	78.3	77.9	480 High	494 High
08/25	76.8	24.0	0.00	102.3	77.6	720 High	661 High
08/26	76.5	23.8	0.00	126.3	77.4	992 High	831 High

Windsor CT Black Rot - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/21	89.8	78.9	24.0	2.75	Infection Risk
08/22	85.5	76.1	24.0	5.90	Infection Risk
08/23	83.5	75.6	24.0	9.19	Infection Risk
08/24	83.6	73.4	24.0	12.62	Infection Risk
08/25	85.9	71.4	24.0	16.11	Infection Risk
08/26	86.6	71.4	23.8	19.47	Infection Risk

Windsor CT Botrytis - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/21	89.8	78.9	24.0	9.3	2.20 High	Infection Risk
08/22	85.5	76.1	24.0	11.8	2.39 High	Infection Risk
08/23	83.5	75.6	24.0	10.8	2.45 High	Infection Risk
08/24	83.6	73.4	24.0	7.8	2.59 High	Infection Risk
08/25	85.9	71.4	24.0	5.0	2.56 High	Infection Risk
08/26	86.6	71.4	23.8	1.8	2.38 High	Infection Risk

Windsor CT Downy Mildew - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours >95%RH	Risk	Warning
08/21	89.8	0.0	0.62	18.3	7.5	0.0	1 Primary Infection
08/22	85.5	>min	0.75	24.0	10.5	3.5	3 High Risk of Infection

08/23	83.5	>min	0.15	24.0	8.0	2.5	3	High Risk of Infection
08/24	83.6	>min	0.01	24.0	7.5	6.5	3	High Risk of Infection
08/25	85.9	>min		24.0	3.8	3.8	3	High Risk of Infection
08/26	86.6	>min		22.5	0.0	0.0	0	

Windsor CT Powdery Mildew - Grape From 2009-08-21 To 2009-08-26

Date	High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
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08/21	89.8	83.5	12.0	0.0	24.0		
08/22	85.5	80.1	24.0	0.0	24.0		
08/23	83.5	79.1	24.0	0.0	24.0	Heavy	60 Heavy
08/24	83.6	78.0	24.0	0.0	24.0	Heavy	80 Heavy
08/25	85.9	77.5	22.8	0.0	24.0	Heavy	100 Heavy
08/26	86.6	78.2	21.0	0.0	24.0	Heavy	100 Heavy

Windsor CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-21 To 2009-08-26

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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08/21	83.5	24.0	0.62	6.5	81.8	9 Light	29 Light
08/22	80.1	24.0	0.75	30.5	80.4	95 High	159 High
08/23	79.1	24.0	0.15	54.5	79.8	234 High	303 High
08/24	78.0	24.0	0.01	78.5	79.3	419 High	459 High
08/25	77.5	24.0	0.00	102.5	78.9	642 High	621 High
08/26	78.2	23.8	0.00	126.5	78.7	880 High	778 High

Griswold CT Black Rot - Grape From 2009-08-21 To 2009-08-26

Date	High	Low	Wet Temp	Daily Hours	Risk	Warning
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08/21	80.6	77.9	20.0	2.74	Infection Risk	
08/22	80.6	78.5	19.0	5.30	Infection Risk	
08/23	81.0	77.8	15.0	6.75	Infection Risk	
08/24	80.9	77.7	16.3	2.77	Infection Risk	
08/25	80.1	76.7	14.5	4.10	Infection Risk	
08/26	80.5	76.6	14.0	1.99	Infection Risk	

Griswold CT Botrytis - Grape From 2009-08-21 To 2009-08-26

Date	High	Low	Wet Temp	RH>95 Daily Hours	Risk	Warning
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08/21	80.6	77.9	20.0	8.3	1.81	High Infection Risk
08/22	80.6	78.5	19.0	1.3	1.57	High Infection Risk

08/23	81.0	77.8	15.0	2.0	0.50	Low Infection Risk
08/24	80.9	77.7	16.3	11.5	1.10	High Infection Risk
08/25	80.1	76.7	14.5	11.0	0.37	Low Infection Risk
08/26	80.5	76.6	14.0	6.0	0.28	Low Infection Risk

Griswold CT Downy Mildew - Grape From 2009-08-21 To 2009-08-26

High Deg Rain Wet Hours>95%RH
 Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

08/21	80.6	0.0	20.0	7.0	0.0	1	Primary Infection
08/22	80.6	>min	0.01	19.0	0.0	0.0	0
08/23	81.0	>min	15.0	1.3	0.0	1	Possible Infection
08/24	80.9	>min	16.3	10.8	0.0	1	Possible Infection
08/25	80.1	>min	14.5	10.3	0.0	1	Possible Infection
08/26	80.5	>min	14.0	5.8	0.0	1	Possible Infection

Griswold CT Powdery Mildew - Grape From 2009-08-21 To 2009-08-26

Temperature Hours Hours Wet Ascospore Conidial
 Date High Mean 70-85 >95 Hours Infection Index

08/21	80.6	79.1	24.0	0.0	15.3	
08/22	80.6	79.5	24.0	0.0	15.0	
08/23	81.0	79.4	24.0	0.0	12.5	60 Heavy
08/24	80.9	79.3	24.0	0.0	14.3	80 Heavy
08/25	80.1	78.6	24.0	0.0	14.5	100 Heavy
08/26	80.5	78.5	24.0	0.0	12.3	100 Heavy

Griswold CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-21 To 2009-08-26

Temp Wet Rain- Wet+ Wet Disease Intensity
 Date Mean Hours Fall Rain Temp Catawba Seyval

08/21	79.1	24.0	0.00	0.0	0.0	0	0
08/22	79.5	24.0	0.01	11.0	80.1	23	Light 56 Moderate
08/23	79.4	24.0	0.00	35.0	79.6	127	High 194 High
08/24	79.3	23.3	0.00	53.3	79.4	239	High 305 High
08/25	78.6	23.3	0.00	0.0	0.0	0	0
08/26	78.5	22.5	0.00	0.0	0.0	0	0

Newport, RI Black Rot - Grape From 2009-08-21 To 2009-08-26

High Low Wet Daily
 Date Temp Temp Hours Risk Warning

08/21	82.8	74.1	12.8	1.84	Infection Risk
08/22	81.7	73.8	13.0	1.86	Infection Risk
08/23	85.3	71.6	12.8	1.75	Infection Risk
08/24	87.4	68.4	13.3	1.82	Infection Risk
08/25	80.2	66.5	13.3	2.10	Infection Risk
08/26	86.2	69.9	12.8	1.65	Infection Risk

Newport, RI Botrytis - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/20	83.8	67.4	13.0	14.5	2.77	High Infection Risk
08/21	82.8	74.1	12.8	19.3	2.78	High Infection Risk
08/22	81.7	73.8	13.0	12.0	1.84	High Infection Risk
08/23	85.3	71.6	12.8	14.0	2.81	High Infection Risk
08/24	87.4	68.4	13.3	11.5	2.19	High Infection Risk
08/25	80.2	66.5	13.3	11.5	2.63	High Infection Risk
08/26	86.2	69.9	12.8	6.8	1.45	High Infection Risk

Newport, RI Downy Mildew - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Deg Hrs43	Rain Fall Hours	Wet Hours	>95%RH 43-86	66-77	Risk	Warning
08/21	82.8	>min8	282.30	12.8	18.3	16.8	3	High Risk of Infection
08/22	81.7	>min7	333.40	13.0	11.5	9.8	3	High Risk of Infection
08/23	85.3	>min5	357.00	12.8	13.5	13.5	3	High Risk of Infection
08/24	87.4	>min4	987.00	12.5	10.5	10.5	3	High Risk of Infection
08/25	80.2	>min5	212.20	13.3	9.8	9.8	3	High Risk of Infection
08/26	86.2	>min3	384.60	12.5	6.8	6.8	3	High Risk of Infection

Newport, RI Powdery Mildew - Grape From 2009-08-21 To 2009-08-26

Date	High Temp	Mean 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/21	82.8	76.4	24.0	0.0	12.5	100 Heavy
08/22	81.7	76.5	24.0	0.0	13.0	100 Heavy
08/23	85.3	76.2	23.5	0.0	12.5	100 Heavy
08/24	87.4	75.7	20.8	0.0	13.3	100 Heavy
08/25	80.2	72.0	14.3	0.0	13.3	100 Heavy
08/26	86.2	76.7	24.0	0.0	12.8	100 Heavy

Newport, RI Phomopsis Cane+Leaf Spot - Grape From 2009-08-21 To 2009-08-26

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/21	76.4	12.8	8282.30	12.8	77.7	36 Moderate	75 Moderate
08/22	76.5	13.0	7333.40	13.0	78.0	37 Moderate	76 Moderate
08/23	76.2	12.8	5357.00	12.8	79.0	32 Moderate	71 Moderate
08/24	75.7	13.3	4987.00	13.3	79.0	34 Moderate	73 Moderate
08/25	72.0	13.8	5212.20	13.8	74.5	52 Moderate	93 High
08/26	76.7	13.0	3384.60	13.0	80.3	29 Light	66 Moderate