

**Disease Risk Reports, 8/7 to 8/13 2009**

**Note: Belchertown is not included this week. Data for Hopkins includes 8/4 to 8/12.**

Hamden, CT Black Rot - Grape From 2009-08-07 To 2009-08-13

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/07	78.0	71.5	7.8	0.75	
08/08	77.0	70.8	4.5	0.70	
08/09	74.6	71.9	19.5	4.02	Infection Risk
08/10	79.3	71.6	22.0	7.55	Infection Risk
08/11	81.7	75.3	18.8	10.30	Infection Risk
08/12	79.1	75.6	19.8	13.21	Infection Risk
08/13	76.8	73.8	23.8	17.04	Infection Risk

Hamden, CT Downy Mildew - Grape From 2009-08-07 To 2009-08-13

Date	High Temp	Deg Hrs43	Rain	Wet Hours	Hours >95%RH	Fall Hours	43-86	66-77	Risk	Warning
08/07	78.0	0.0	7.8	0.0	0.0	0	0	0	Primary Infection	
08/08	77.0	>min	4.5	0.0	0.0	0	0	0		
08/09	74.6	>min	19.5	4.3	4.3	3	3	3	High Risk of Infection	
08/10	79.3	>min	0.03	22.0	7.5	7.5	3	3	High Risk of Infection	
08/11	81.7	>min	18.8	5.0	2.8	3	3	3	High Risk of Infection	
08/12	79.1	>min	19.8	0.0	0.0	0	0	0		
08/13	76.8	>min	0.03	23.8	10.5	10.5	3	3	High Risk of Infection	

Hamden, CT Powdery Mildew - Grape From 2009-08-07 To 2009-08-13

Date	High Temp	Mean Temp	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/07	78.0	74.6	24.0	0.0	4.8		
08/08	77.0	74.0	24.0	0.0	4.3		
08/09	74.6	72.7	24.0	0.0	16.5	Heavy	60 Heavy
08/10	79.3	74.8	24.0	0.0	15.3	Heavy	80 Heavy
08/11	81.7	78.2	24.0	0.0	14.0	100	Heavy
08/12	79.1	77.3	24.0	0.0	15.3	100	Heavy
08/13	76.8	74.8	23.8	0.0	20.8	Heavy	100 Heavy

Hamden, CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-07 To 2009-08-13

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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08/07	74.6	21.5	0.00	0.0	0.0	0	0
08/08	74.0	15.3	0.00	0.0	0.0	0	0
08/09	72.7	24.0	0.00	0.0	0.0	0	0
08/10	74.8	24.0	0.03	20.5	75.3	87 Moderate	137 High
08/11	78.2	24.0	0.00	44.5	76.8	235 High	289 High
08/12	77.3	24.0	0.00	68.5	77.0	430 High	449 High
08/13	74.8	23.8	0.03	92.5	76.4	692 High	629 High

Windsor, CT Black Rot - Grape From 2009-08-07 To 2009-08-13

High Low Wet Daily  
Date Temp Temp Hours Risk Warning

08/07	81.8	71.0	19.5	3.01	Infection Risk
08/08	81.4	70.8	19.3	5.96	Infection Risk
08/09	76.9	71.6	24.0	10.03	Infection Risk
08/10	87.9	71.1	24.0	13.58	Infection Risk
08/11	91.2	75.3	21.5	16.34	Infection Risk
08/12	81.6	74.9	24.0	19.75	Infection Risk
08/13	76.5	71.2	23.8	23.69	Infection Risk

Windsor, CT Downy Mildew - Grape From 2009-08-07 To 2009-08-13

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

08/07	81.8	0.0	19.5	0.0	0.0	0	Primary Infection
08/08	81.4	>min	19.3	0.0	0.0	0	
08/09	76.9	>min	0.01	24.0	4.8	4.8	3 High Risk of Infection
08/10	87.9	>min	0.05	21.5	4.8	4.8	3 High Risk of Infection
08/11	91.2	>min	0.01	17.3	6.3	3.0	3 High Risk of Infection
08/12	81.6	>min	24.0	0.0	0.0	0	
08/13	76.5	>min	0.15	23.8	7.5	7.5	3 High Risk of Infection

Windsor, CT Powdery Mildew - Grape From 2009-08-07 To 2009-08-13

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

08/07	81.8	76.3	24.0	0.0	7.5		
08/08	81.4	76.3	24.0	0.0	5.5		
08/09	76.9	72.8	24.0	0.0	24.0	Heavy	60 Heavy
08/10	87.9	76.8	20.8	0.0	24.0	Heavy	80 Heavy
08/11	91.2	82.0	11.8	0.0	24.0	Heavy	100 Heavy
08/12	81.6	78.2	24.0	0.0	24.0	Heavy	100 Heavy
08/13	76.5	73.8	23.8	0.0	24.0	Heavy	100 Heavy

Windsor, CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-07 To 2009-08-13

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/07	76.3	24.0	0.00	0.0	0.0	0	0
08/08	76.3	24.0	0.00	0.0	0.0	0	0
08/09	72.8	24.0	0.01	9.8	72.3	36 Moderate	69 Moderate
08/10	76.8	24.0	0.05	33.8	75.5	175 High	229 High
08/11	82.0	24.0	0.01	57.8	78.2	302 High	354 High
08/12	78.2	24.0	0.00	81.8	78.2	496 High	509 High
08/13	73.8	23.8	0.15	105.8	77.2	786 High	699 High

Griswold, CT Black Rot - Grape From 2009-08-07 To 2009-08-13

Date	High Temp	Low Temp	Wet Daily Hours	Risk	Warning
08/07	75.9	72.1	13.3	1.50	Infection Risk
08/08	75.1	71.2	13.8	2.23	Infection Risk
08/09	73.9	70.8	14.3	2.23	Infection Risk
08/10	76.8	71.3	14.8	3.42	Infection Risk
08/11	79.0	74.9	15.3	5.73	Infection Risk
08/12	78.2	75.6	13.5	7.15	Infection Risk
08/13	76.2	73.9	24.0	4.49	Infection Risk

Griswold, CT Downy Mildew - Grape From 2009-08-07 To 2009-08-13

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	>95%RH 43-86	Risk	Warning	
08/07	75.9	0.0	13.3	7.3	7.3	1	Primary Infection	
08/08	75.1	>min	13.8	8.0	8.0	3	High Risk of Infection	
08/09	73.9	>min	14.3	7.5	7.5	3	High Risk of Infection	
08/10	76.8	>min	0.03	14.8	8.0	8.0	3	High Risk of Infection
08/11	79.0	>min	0.01	15.3	7.8	7.8	3	High Risk of Infection
08/12	78.2	>min	13.5	6.5	3.5	3	High Risk of Infection	
08/13	76.2	>min	0.06	24.0	9.8	9.8	3	High Risk of Infection

Griswold, CT Powdery Mildew - Grape From 2009-08-07 To 2009-08-13

Date	Temperature High	Hours Mean 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/07	75.9	74.1	24.0	0.0	13.3	
08/08	75.1	73.4	24.0	0.0	13.8	Heavy

08/09	73.9	71.7	24.0	0.0	13.0	Heavy	60	Heavy
08/10	76.8	73.5	24.0	0.0	13.8	Heavy	80	Heavy
08/11	79.0	76.7	24.0	0.0	13.8		100	Heavy
08/12	78.2	76.6	24.0	0.0	12.0		100	Heavy
08/13	76.2	74.7	24.0	0.0	21.3	Heavy	100	Heavy

Griswold, CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-07 To 2009-08-13

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/07	74.1	20.3	0.00	0.0	0.0	0	0
08/08	73.4	15.8	0.00	0.0	0.0	0	0
08/09	71.7	18.8	0.00	0.0	0.0	0	0
08/10	73.5	24.0	0.03	20.3	73.8	95 High	142 High
08/11	76.7	23.5	0.01	39.0	75.0	225 High	271 High
08/12	76.6	24.0	0.00	0.0	0.0	0	0
08/13	74.7	24.0	0.06	21.8	74.6	100 High	150 High

Colchester, CT Black Rot - Grape From 2009-08-07 To 2009-08-13

Date	Temp	High Low	Wet Temp	Daily Hours	Risk	Warning
08/07	72.6	70.0	24.0	4.18	Infection	Risk
08/08	71.2	68.8	24.0	8.37	Infection	Risk
08/09	70.2	68.4	24.0	12.52	Infection	Risk
08/10	73.1	68.9	24.0	16.67	Infection	Risk
08/11	74.4	72.5	24.0	20.72	Infection	Risk
08/12	74.2	72.3	24.0	24.79	Infection	Risk
08/13	72.9	70.8	23.8	28.92	Infection	Risk

Colchester, CT Downy Mildew - Grape From 2009-08-07 To 2009-08-13

Date	Temp	High Deg	Rain Hrs43	Wet Hours	Hours>95%RH	Risk	Warning
08/07	72.6	0.0	24.0	0.0	0.0	0	Primary Infection
08/08	71.2	>min	24.0	0.0	0.0	0	
08/09	70.2	>min	24.0	5.5	5.5	3	High Risk of Infection
08/10	73.1	>min	0.03	24.0	8.8	8.8	3 High Risk of Infection
08/11	74.4	>min	0.01	24.0	6.0	6.0	3 High Risk of Infection
08/12	74.2	>min	24.0	6.8	6.8	3	High Risk of Infection
08/13	72.9	>min	0.17	23.8	15.3	15.3	3 High Risk of Infection

Colchester, CT Powdery Mildew - Grape From 2009-08-07 To 2009-08-13

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

08/07	72.6	71.0	24.0	0.0	18.0	Heavy	
08/08	71.2	69.9	11.8	0.0	12.3		
08/09	70.2	69.0	1.5	0.0	24.0	Heavy	
08/10	73.1	70.3	10.5	0.0	24.0	Heavy	
08/11	74.4	73.2	24.0	0.0	24.0	Heavy	
08/12	74.2	73.0	24.0	0.0	24.0	Heavy	60 Heavy
08/13	72.9	71.5	23.8	0.0	24.0	Heavy	80 Heavy

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-07 To 2009-08-13

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

08/07	71.0	24.0	0.00	0.0	0.0	0	0
08/08	69.9	24.0	0.00	0.0	0.0	0	0
08/09	69.0	24.0	0.00	0.0	0.0	0	0
08/10	70.3	24.0	0.03	1.8	73.1	3 Light	11 Light
08/11	73.2	24.0	0.01	25.8	73.2	138 High	186 High
08/12	73.0	24.0	0.00	49.8	73.1	357 High	369 High
08/13	71.5	23.8	0.17	73.8	72.6	645 High	564 High

New Preston, CT.txt Black Rot - Grape From 2009-08-04 To 2009-08-12

High Low Wet Daily  
Date Temp Temp Hours Risk Warning

08/04	74.4	73.4	4.5	0.74	
08/05	74.9	70.9	17.5	3.76	Infection Risk
08/06	73.0	67.8	0.8	0.13	
08/07	71.3	66.7	0.00		
08/08	69.6	65.0	2.5	0.41	
08/09	68.6	66.6	12.8	2.13	Infection Risk
08/10	74.1	67.5	24.0	6.19	Infection Risk
08/11	75.4	70.6	24.0	10.26	Infection Risk
08/12	74.0	70.6	23.8	14.36	Infection Risk

New Preston, CT Downy Mildew - Grape From 2009-08-04 To 2009-08-12

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

08/04	74.4	0.0	4.5	0.0	0.0	0	Primary Infection
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08/05	74.9	>min	17.5	6.5	6.5	3	High Risk of Infection
08/06	73.0	>min	0.8	0.0	0.0	0	
08/07	71.3	>min	0.0	0.0	0		
08/08	69.6	>min	2.5	0.0	0.0	0	
08/09	68.6	>min	0.01	12.8	6.3	6.3	3 High Risk of Infection
08/10	74.1	>min	0.22	24.0	7.5	7.5	3 High Risk of Infection
08/11	75.4	>min	0.01	24.0	1.5	1.5	3 High Risk of Infection
08/12	74.0	>min	0.06	23.8	4.8	4.8	3 High Risk of Infection

New Preston, CT Powdery Mildew - Grape From 2009-08-04 To 2009-08-12

Date	High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/04	74.4	74.0	5.8	0.0	3.0		
08/05	74.9	72.7	24.0	0.0	9.5		
08/06	73.0	70.3	13.0	0.0	0.0		
08/07	71.3	69.0	8.8	0.0	0.0	60 Heavy	
08/08	69.6	67.4	0.0	0.0	2.5	50 Medium	
08/09	68.6	67.3	0.0	0.0	10.0	40 Medium	
08/10	74.1	69.8	8.8	0.0	19.5	Heavy	60 Heavy
08/11	75.4	72.7	24.0	0.0	24.0	Heavy	80 Heavy
08/12	74.0	71.8	23.8	0.0	24.0	Heavy	100 Heavy

New Preston, CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-04 To 2009-08-12

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/04	74.0	5.8	0.00	0.0	0.0	0	0
08/05	72.7	24.0	0.00	0.0	0.0	0	0
08/06	70.3	18.5	0.00	0.0	0.0	0	0
08/07	69.0	12.5	0.00	0.0	0.0	0	0
08/08	67.4	15.0	0.00	0.0	0.0	0	0
08/09	67.3	24.0	0.01	6.3	67.7	23 Light	46 Moderate
08/10	69.8	24.0	0.22	30.3	69.4	207 High	235 High
08/11	72.7	24.0	0.01	54.3	70.8	451 High	424 High
08/12	71.8	23.8	0.06	78.3	71.1	753 High	617 High

Deerfield, MA Black Rot - Grape From 2009-08-07 To 2009-08-13

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/07	70.3	67.0	9.3	1.39	Infection Risk
08/08	69.4	65.6	13.3	1.70	Infection Risk
08/09	67.8	64.8	19.3	3.80	Infection Risk

08/10 69.1 65.1 16.5 6.44 Infection Risk  
 08/11 71.4 68.2 13.8 8.81 Infection Risk  
 08/12 71.3 69.4 16.8 11.74 Infection Risk  
 08/13 70.0 68.7 16.5 14.61 Infection Risk

Deerfield, MA Downy Mildew - Grape From 2009-08-07 To 2009-08-13

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

08/07 70.3 0.0 9.3 0.8 0.8 1 Primary Infection  
 08/08 69.4 >min 13.3 2.5 2.5 3 High Risk of Infection  
 08/09 67.8 >min 0.04 19.3 15.3 6.5 3 High Risk of Infection  
 08/10 69.1 >min 0.21 16.5 10.3 0.8 3 High Risk of Infection  
 08/11 71.4 >min 13.8 7.3 7.3 3 High Risk of Infection  
 08/12 71.3 >min 0.01 16.8 8.3 8.3 3 High Risk of Infection  
 08/13 70.0 >min 16.5 6.3 6.3 3 High Risk of Infection

Deerfield, MA Powdery Mildew - Grape From 2009-08-07 To 2009-08-13

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

08/07 70.3 68.6 1.5 0.0 9.3  
 08/08 69.4 67.3 0.0 0.0 13.3  
 08/09 67.8 65.7 0.0 0.0 19.3 Heavy  
 08/10 69.1 66.4 0.0 0.0 15.0 Heavy  
 08/11 71.4 69.4 7.0 0.0 10.0 Heavy  
 08/12 71.3 70.1 14.0 0.0 16.8 Heavy  
 08/13 70.0 69.1 1.0 0.0 14.5 Heavy

Deerfield, MA Phomopsis Cane+Leaf Spot - Grape From 2009-08-07 To 2009-08-13

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

08/07 68.6 14.3 0.00 0.0 0.0 0 0  
 08/08 67.3 15.0 0.00 0.0 0.0 0 0  
 08/09 65.7 23.8 0.04 6.8 65.5 26 Light 49 Moderate  
 08/10 66.4 24.0 0.21 30.8 66.2 228 High 241 High  
 08/11 69.4 23.0 0.00 48.5 67.2 430 High 387 High  
 08/12 70.1 24.0 0.01 7.5 70.1 27 Light 55 Moderate  
 08/13 69.1 23.8 0.00 31.5 69.4 219 High 245 High