

## Disease Risk Reports 7-16-2009

No reports from Newport or New Preston this week. Reports for these locations will resume next week.

### Hamden Black Rot - Grape From 2009-07-10 To 2009-07-16

High Low Wet Daily

Date Temp Temp Hours Risk Warning

07/10 70.8 64.8 10.5 1.18 Infection Risk

07/11 71.4 66.2 11.0 1.83 Infection Risk

07/12 74.1 68.6 8.8 2.09 Infection Risk

07/13 73.4 68.1 3.0 0.52

07/14 73.9 67.9 7.8 1.78 Infection Risk

07/15 74.9 68.3 4.3 0.42

07/16 72.8 70.3 8.5 1.90 Infection Risk

### Hamden Downy Mildew - Grape From 2009-07-10 To 2009-07-16

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/10 70.8 0.0 10.5 6.3 3.5 1 Primary Infection

07/11 71.4 >min 0.05 11.0 6.3 6.3 3 High Risk of Infection

07/12 74.1 >min 0.02 8.8 6.0 6.0 3 High Risk of Infection

07/13 73.4 >min 3.0 0.0 0.0 0

07/14 73.9 >min 7.8 2.3 2.3 3 High Risk of Infection

07/15 74.9 >min 4.3 0.0 0.0 0

07/16 72.8 >min 0.01 8.5 3.5 3.5 3 High Risk of Infection

### Hamden 7-16 Powdery Mildew - Grape From 2009-07-10 To 2009-07-16

Temperature Hours Hours Wet Ascospore Conidial

Date	High	Mean	70-85	>95	Hours	Infection	Index
07/10	70.8	67.6	5.5	0.0	10.0		
07/11	71.4	68.8	9.3	0.0	10.5		
07/12	74.1	70.9	12.0	0.0	8.8		
07/13	73.4	70.9	15.3	0.0	3.0	60	Heavy
07/14	73.9	70.9	14.8	0.0	7.8	80	Heavy
07/15	74.9	71.5	15.8	0.0	4.3	100	Heavy
07/16	72.8	71.2	13.8	0.0	8.3	100	Heavy

Hamden Phomopsis Cane+Leaf Spot - Grape From 2009-07-10 To 2009-07-16

Date	Temp	Wet	Rain-	Wet+	Wet	Disease	Intensity
Date	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/10	67.6	20.8	0.00	0.0	0.0	0	0
07/11	68.8	19.3	0.05	2.0	70.4	4 Light	14 Light
07/12	70.9	17.3	0.02	18.3	69.8	99 High	138 High
07/13	70.9	4.8	0.00	0.0	0.0	0	0
07/14	70.9	10.5	0.00	0.0	0.0	0	0
07/15	71.5	6.0	0.00	0.0	0.0	0	0
07/16	71.2	13.8	0.01	1.8	72.0	3 Light	12 Light

Colchester Black Rot - Grape From 2009-07-10 To 2009-07-16

Date	High	Low	Wet	Daily	Risk	Warning
Date	Temp	Temp	Hours			
07/10	69.3	63.3	22.3	3.44	Infection	Risk
07/11	69.3	64.8	23.8	7.34	Infection	Risk
07/12	71.2	66.6	21.8	11.03	Infection	Risk
07/13	70.4	66.1	15.3	13.59	Infection	Risk
07/14	70.2	65.8	20.5	17.03	Infection	Risk

07/15 71.3 66.1 16.0 2.70 Infection Risk

07/16 70.6 68.4 14.8 5.25 Infection Risk

Colchester Downy Mildew - Grape From 2009-07-10 To 2009-07-16

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/10 74.8 0.0 22.3 6.8 0.0 1 Primary Infection

07/11 73.0 >min 0.06 23.8 4.5 0.0 1 Possible Infection

07/12 79.7 >min 0.02 21.8 5.3 0.0 1 Possible Infection

07/13 76.4 >min 15.3 0.0 0.0 0

07/14 75.1 >min 20.5 2.5 0.0 1 Possible Infection

07/15 78.7 >min 16.0 0.0 0.0 0

07/16 76.3 >min 0.02 14.8 1.0 0.0 1 Possible Infection

Colchester Powdery Mildew - Grape From 2009-07-10 To 2009-07-16

Temperature Hours Hours Wet Ascospore Conidial

Date High Mean 70-85 >95 Hours Infection Index

07/10 74.8 62.1 6.3 0.0 18.8 Heavy

07/11 73.0 63.1 5.8 0.0 16.5 Heavy

07/12 79.7 69.2 10.3 0.0 18.8 Heavy

07/13 76.4 64.8 9.0 0.0 10.3

07/14 75.1 64.8 7.0 0.0 11.3 Heavy 60 Heavy

07/15 78.7 67.5 10.8 0.0 8.5 80 Heavy

07/16 76.3 69.4 6.8 0.0 15.0 Heavy 100 Heavy

Colchester Phomopsis Cane+Leaf Spot - Grape From 2009-07-10 To 2009-07-16

Temp Wet Rain- Wet+ Wet Disease Intensity

Date Mean Hours Fall Rain Temp Catawba Seyval

07/10	62.1	24.0	0.00	0.0	0.0	0	0
07/11	63.1	24.0	0.06	2.0	63.1	5 Light	14 Light
07/12	69.2	24.0	0.02	26.0	68.8	170 High	202 High
07/13	64.8	24.0	0.00	50.0	66.9	451 High	400 High
07/14	64.8	24.0	0.00	74.0	66.2	799 High	600 High
07/15	67.5	24.0	0.00	98.0	66.5	1188 High	804 High
07/16	69.4	14.8	0.02	113.3	66.9	1451 High	936 High

Griswold Black Rot - Grape From 2009-07-10 To 2009-07-16

High Low Wet Daily

Date Temp Temp Hours Risk Warning

07/10	76.8	48.9	12.8	0.49
07/11	74.9	45.6	6.5	0.57
07/12	84.4	53.7	13.0	1.66 Infection Risk
07/13	77.5	46.8	11.0	0.82
07/14	78.4	49.6	10.5	0.90
07/15	80.9	48.0	12.0	0.76
07/16	79.1	58.8	7.8	1.41 Infection Risk

Griswold Downy Mildew - Grape From 2009-07-10 To 2009-07-16

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/10	73.0	0.0	12.8	9.0	9.0	1	Primary Infection
07/11	72.7	>min	0.18	10.8	7.5	7.5	3 High Risk of Infection
07/12	75.6	>min	0.01	13.0	0.3	0.3	0
07/13	73.8	>min	12.3	7.5	7.5	3	High Risk of Infection
07/14	74.6	>min	10.5	6.5	6.5	3	High Risk of Infection
07/15	75.4	>min	12.0	6.0	6.0	3	High Risk of Infection

07/16 74.0 >min 7.8 2.8 2.8 3 High Risk of Infection

Griswold Powdery Mildew - Grape From 2009-07-10 To 2009-07-16

	Temperature	Hours	Hours	Wet	Ascospore	Conidial
Date	High	Mean	70-85	>95	Hours	Infection Index
07/10	73.0	69.7	9.8	0.0	12.8	
07/11	72.7	70.1	12.5	0.0	10.8	Heavy
07/12	75.6	72.3	21.0	0.0	12.5	60 Heavy
07/13	73.8	71.7	18.5	0.0	12.3	80 Heavy
07/14	74.6	71.6	17.3	0.0	10.3	100 Heavy
07/15	75.4	72.3	19.0	0.0	12.0	100 Heavy
07/16	74.0	72.3	15.0	0.0	7.8	100 Heavy

Griswold Phomopsis Cane+Leaf Spot - Grape From 2009-07-10 To 2009-07-16

	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
Date	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/10	69.7	18.0	0.00	0.0	0.0	0	0
07/11	70.1	12.8	0.18	1.3	71.9	2 Light	8 Light
07/12	72.3	19.5	0.01	16.8	70.9	84 Moderate	125 High
07/13	71.7	12.3	0.00	0.0	0.0	0	0
07/14	71.6	10.8	0.00	0.0	0.0	0	0
07/15	72.3	12.0	0.00	0.0	0.0	0	0
07/16	72.3	9.5	0.00	0.0	0.0	0	0

Windsor Black Rot - Grape From 2009-07-10 To 2009-07-16

	High	Low	Wet	Daily
Date	Temp	Temp	Hours	Risk Warning
07/10	77.5	64.2	22.5	3.54 Infection Risk

07/11 77.9 68.0 24.0 7.47 Infection Risk  
 07/12 77.8 69.9 20.0 10.76 Infection Risk  
 07/13 76.2 67.2 17.8 13.74 Infection Risk  
 07/14 78.3 66.8 16.8 16.52 Infection Risk  
 07/15 81.5 68.2 16.5 2.65 Infection Risk  
 07/16 77.5 73.0 13.8 4.91 Infection Risk

Windsor Downy Mildew - Grape From 2009-07-10 To 2009-07-16

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning  
 07/10 77.5 0.0 22.5 7.0 4.0 1 Primary Infection  
 07/11 77.9 >min 0.23 24.0 1.8 1.8 3 High Risk of Infection  
 07/12 77.8 >min 0.07 20.0 5.8 5.8 3 High Risk of Infection  
 07/13 76.2 >min 17.8 0.0 0.0 0  
 07/14 78.3 >min 16.8 0.0 0.0 0  
 07/15 81.5 >min 16.5 0.0 0.0 0  
 07/16 77.5 >min 0.03 13.8 0.0 0.0 0

Windsor Powdery Mildew - Grape From 2009-07-10 To 2009-07-16

Temperature Hours Hours Wet Ascospore Conidial

Date High Mean 70-85 >95 Hours Infection Index  
 07/10 77.5 70.5 11.3 0.0 17.8 Heavy  
 07/11 77.9 73.0 17.5 0.0 18.5 Heavy  
 07/12 77.8 73.7 23.0 0.0 16.8 Heavy 60 Heavy  
 07/13 76.2 72.2 16.5 0.0 4.5 80 Heavy  
 07/14 78.3 72.7 15.8 0.0 7.0 100 Heavy  
 07/15 81.5 74.9 19.0 0.0 5.0 100 Heavy  
 07/16 77.5 74.5 14.8 0.0 10.3 100 Heavy

Windsor Phomopsis Cane+Leaf Spot - Grape From 2009-07-10 To 2009-07-16

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
07/10	70.5	24.0	0.00	0.0	0.0	0	0
07/11	73.0	24.0	0.23	2.3	74.6	4 Light	14 Light
07/12	73.7	24.0	0.07	26.3	73.8	138 High	187 High
07/13	72.2	24.0	0.00	50.3	73.0	364 High	374 High
07/14	72.7	24.0	0.00	74.3	72.9	639 High	563 High
07/15	74.9	24.0	0.00	98.3	73.4	929 High	744 High
07/16	74.5	14.8	0.03	113.5	73.6	1132 High	861 High

Deerfield Black Rot - Grape From 2009-07-10 To 2009-07-16

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/10	69.4	65.0	11.8	1.47	Infection Risk
07/11	69.2	66.1	12.0	1.84	Infection Risk
07/12	70.4	67.0	8.8	2.18	Infection Risk
07/13	69.9	66.2	2.8	0.47	
07/14	68.6	65.6	4.3	0.42	
07/15	69.2	64.9	10.3	1.69	Infection Risk
07/16	69.0	66.3	7.3	1.54	Infection Risk

Deerfield Downy Mildew - Grape From 2009-07-10 To 2009-07-16

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	>95%RH	Risk Warning
07/10	69.4	0.0	11.8	7.5	7.0	1 Primary Infection
07/11	69.2	>min	0.10	12.0	5.8	5.8 3 High Risk of Infection

07/12	70.4	>min	0.04	8.8	6.8	6.8	3	High Risk of Infection
07/13	69.9	>min		2.8	0.0	0.0	0	
07/14	68.6	>min		4.3	0.0	0.0	0	
07/15	69.2	>min		10.3	4.8	4.8	3	High Risk of Infection
07/16	69.0	>min		7.3	2.0	2.0	3	High Risk of Infection

Deerfield Powdery Mildew - Grape From 2009-07-10 To 2009-07-16

Date	High	Mean	70-85	>95	Hours	Infection	Index
07/10	69.4	67.0	0.0	0.0	11.8		
07/11	69.2	67.8	0.0	0.0	12.0		
07/12	70.4	68.5	5.3	0.0	8.8	Heavy	
07/13	69.9	67.8	5.3	0.0	2.8		
07/14	68.6	67.2	0.0	0.0	4.3		
07/15	69.2	66.9	0.0	0.0	9.8		
07/16	69.0	67.4	0.0	0.0	7.3		

Deerfield Phomopsis Cane+Leaf Spot - Grape From 2009-07-10 To 2009-07-16

Date	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/10	67.0	16.0	0.00	0.0	0.0	0	0
07/11	67.8	14.0	0.10	3.5	69.0	10 Light	25 Light
07/12	68.5	12.3	0.04	15.8	68.0	84 Moderate	120 High
07/13	67.8	3.0	0.00	0.0	0.0	0	0
07/14	67.2	5.0	0.00	0.0	0.0	0	0
07/15	66.9	11.0	0.00	0.0	0.0	0	0
07/16	67.4	8.8	0.00	0.0	0.0	0	0

Belchertown Black Rot - Grape From 2009-07-10 To 2009-07-16

High Low Wet Daily

Date	Temp	Temp	Hours	Risk	Warning
07/10	80.5	51.8	8.8	0.52	
07/11	79.5	55.0	10.8	0.65	
07/12	77.0	56.5	8.5	1.51	Infection Risk
07/13	77.0	50.4	3.8	0.19	
07/14	74.3	51.5	5.5	0.25	
07/15	79.7	51.2	7.8	0.60	
07/16	79.3	62.3	6.8	0.96	

Belchertown Downy Mildew - Grape From 2009-07-10 To 2009-07-16

High Deg Rain Wet Hours>95%RH

Date	Temp	Hrs43	Fall	Hours	43-86	66-77	Risk	Warning
07/10	80.5	0.0	8.8	8.3	0.0	1	Primary	Infection
07/11	79.5	>min	0.24	10.8	1.8	0.0	1	Possible Infection
07/12	77.0	>min	0.53	8.5	8.8	0.3	1	Possible Infection
07/13	77.0	>min	3.8	0.0	0.0	0		
07/14	74.3	>min	5.5	0.0	0.0	0		
07/15	79.7	>min	7.8	0.0	0.0	0		
07/16	79.3	>min	6.8	0.0	0.0	0		

Belchertown Powdery Mildew - Grape From 2009-07-10 To 2009-07-16

Temperature Hours Hours Wet Ascospore Conidial

Date	High	Mean	70-85	>95	Hours	Infection	Index
07/10	80.5	65.3	9.5	0.0	8.3		
07/11	79.5	66.3	9.0	0.0	9.5		
07/12	77.0	67.3	9.3	0.0	8.5	60	Heavy

07/13	77.0	64.0	8.8	0.0	3.3	80 Heavy
07/14	74.3	63.0	4.0	0.0	4.0	70 Heavy
07/15	79.7	66.6	9.8	0.0	7.8	90 Heavy
07/16	79.3	69.1	7.8	0.0	6.0	100 Heavy

Belchertown Phomopsis Cane+Leaf Spot - Grape From 2009-07-10 To 2009-07-16

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	Catawba	Seyval
07/10	65.3	22.0	0.00	0.0	0.0	0	0	
07/11	66.3	20.5	0.24	3.3	61.1	9 Light	21 Light	
07/12	67.3	17.5	0.53	20.8	67.1	128 High	160 High	
07/13	64.0	9.3	0.00	0.0	0.0	0	0	
07/14	63.0	7.5	0.00	0.0	0.0	0	0	
07/15	66.6	15.3	0.00	0.0	0.0	0	0	
07/16	69.1	15.8	0.00	0.0	0.0	0	0	