

Disease Risk Reports, 7-31-2009 to 8-6-2009

Note: no reading for Belchertown, New Preston, or Newport this week

Hamden, CT Black Rot - Grape From 2009-07-31 To 2009-08-06

	High	Low	Wet	Daily	
Date	Temp	Temp	Hours	Risk	Warning
07/31	77.7	73.9	24.0	19.52	Infection Risk
08/01	78.4	71.5	19.0	22.64	Infection Risk
08/02	76.2	73.4	24.0	26.59	Infection Risk
08/03	77.7	71.7	19.8	29.83	Infection Risk
08/04	79.1	73.7	16.0	32.36	Infection Risk
08/05	79.3	75.5	15.3	34.68	Infection Risk
08/06	77.8	73.8	4.0	0.62	

Hamden, CT Downy Mildew - Grape From 2009-07-31 To 2009-08-06

	High	Deg	Rain	Wet	Hours	>95%RH	
Date	Temp	Hrs43	Fall	Hours	43-86	66-77	Risk Warning
07/31	77.7	>min	1.46	24.0	21.0	20.8	3 High Risk of Infection
08/01	78.4	>min	0.01	19.0	9.5	9.0	3 High Risk of Infection
08/02	76.2	>min	0.14	24.0	16.3	16.3	3 High Risk of Infection
08/03	77.7	>min		19.8	9.8	9.8	3 High Risk of Infection
08/04	79.1	>min		16.0	8.3	8.3	3 High Risk of Infection
08/05	79.3	>min		15.3	4.8	4.8	3 High Risk of Infection
08/06	77.8	>min		4.0	0.8	0.8	3 High Risk of Infection

Hamden, CT Powdery Mildew - Grape From 2009-07-31 To 2009-08-06

	Temperature	Hours	Hours	Wet	Ascospore	Conidial
Date	High	Mean	70-85	>95	Hours	Infection Index
07/31	77.7	75.1	24.0	0.0	24.0	Heavy 100 Heavy
08/01	78.4	74.7	24.0	0.0	13.5	Heavy 100 Heavy
08/02	76.2	74.2	24.0	0.0	23.5	Heavy 100 Heavy
08/03	77.7	74.6	24.0	0.0	13.8	Heavy 100 Heavy
08/04	79.1	76.3	24.0	0.0	11.5	100 Heavy
08/05	79.3	77.3	24.0	0.0	9.3	100 Heavy
08/06	77.8	75.4	23.8	0.0	3.8	100 Heavy

Hamden, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-31 To 2009-08-06

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

07/31	75.1	24.0	1.46	121.3	76.4	1024	High	836	High
08/01	74.7	24.0	0.01	145.3	76.1	1354	High	1020	High
08/02	74.2	24.0	0.14	169.3	75.8	1721	High	1209	High
08/03	74.6	24.0	0.00	193.3	75.7	2104	High	1396	High
08/04	76.3	24.0	0.00	217.3	75.7	2475	High	1573	High
08/05	77.3	24.0	0.00	241.3	75.9	2841	High	1743	High
08/06	75.4	23.3	0.00	243.3	75.9	2872	High	1757	High

Windsor, CT Black Rot - Grape From 2009-07-31 To 2009-08-06

High Low Wet Daily
Date Temp Temp Hours Risk Warning

07/31	77.7	72.8	24.0	22.31	Infection Risk
08/01	79.9	69.9	24.0	26.10	Infection Risk
08/02	75.9	72.8	24.0	30.07	Infection Risk
08/03	80.5	71.1	24.0	33.80	Infection Risk
08/04	82.3	72.9	24.0	37.31	Infection Risk
08/05	81.2	75.2	24.0	40.72	Infection Risk
08/06	79.8	71.8	23.8	44.36	Infection Risk

Windsor, CT Downy Mildew - Grape From 2009-07-31 To 2009-08-06

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

07/31	77.7	>min	1.65	24.0	18.5	18.5	3	High Risk of Infection
08/01	79.9	>min	0.01	24.0	8.0	8.0	3	High Risk of Infection
08/02	75.9	>min	0.02	24.0	9.0	9.0	3	High Risk of Infection
08/03	80.5	>min		24.0	7.5	7.5	3	High Risk of Infection
08/04	82.3	>min		24.0	0.8	0.8	3	High Risk of Infection
08/05	81.2	>min		24.0	3.3	3.3	3	High Risk of Infection
08/06	79.8	>min		23.8	0.0	0.0	0	

Windsor, CT Powdery Mildew - Grape From 2009-07-31 To 2009-08-06

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

07/31	77.7	74.3	24.0	0.0	24.0	Heavy	100	Heavy
08/01	79.9	74.7	23.0	0.0	24.0	Heavy	100	Heavy
08/02	75.9	74.0	24.0	0.0	24.0	Heavy	100	Heavy
08/03	80.5	75.5	24.0	0.0	24.0	Heavy	100	Heavy
08/04	82.3	77.4	24.0	0.0	24.0	Heavy	100	Heavy
08/05	81.2	78.1	24.0	0.0	22.0	Heavy	100	Heavy
08/06	79.8	76.1	23.8	0.0	18.8	Heavy	100	Heavy

Windsor, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-31 To 2009-08-06

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
07/31	74.3	24.0	1.65	141.3	75.9	1321 High	999 High
08/01	74.7	24.0	0.01	165.3	75.7	1676 High	1184 High
08/02	74.0	24.0	0.02	189.3	75.5	2068 High	1375 High
08/03	75.5	24.0	0.00	213.3	75.5	2454 High	1557 High
08/04	77.4	24.0	0.00	237.3	75.7	2819 High	1728 High
08/05	78.1	24.0	0.00	261.3	75.9	3181 High	1893 High
08/06	76.1	23.8	0.00	285.3	75.9	3603 High	2073 High

Griswold, CT Black Rot - Grape From 2009-07-31 To 2009-08-06

Date	High Temp	Low Temp	Wet Daily Hours	Risk	Warning
07/31	78.3	74.8	24.0	10.67	Infection Risk
08/01	78.0	73.3	15.8	13.20	Infection Risk
08/02	76.7	74.5	18.8	16.17	Infection Risk
08/03	78.0	74.0	14.8	18.50	Infection Risk
08/04	78.3	74.7	13.3	19.95	Infection Risk
08/05	78.9	75.6	10.0	2.00	Infection Risk
08/06	78.1	75.1	9.8	0.86	

Griswold, CT Downy Mildew - Grape From 2009-07-31 To 2009-08-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	>95%RH 43-86	66-77	Risk	Warning
07/31	78.3	>min	0.94	24.0	16.8	13.3	3	High Risk of Infection
08/01	78.0	>min	15.8	10.5	8.8	3		High Risk of Infection
08/02	76.7	>min	18.8	11.0	11.0	3		High Risk of Infection
08/03	78.0	>min	14.8	9.5	8.0	3		High Risk of Infection
08/04	78.3	>min	13.3	7.8	7.8	3		High Risk of Infection
08/05	78.9	>min	10.0	0.0	0.0	0		
08/06	78.1	>min	9.8	2.5	2.5	3		High Risk of Infection

Griswold, CT Powdery Mildew - Grape From 2009-07-31 To 2009-08-06

Date	Temperature High	Hours Mean 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/31	78.3	75.9	24.0	0.0	23.5	Heavy 100 Heavy
08/01	78.0	75.4	24.0	0.0	13.0	Heavy 100 Heavy

08/02	76.7	75.3	24.0	0.0	18.0	Heavy	100	Heavy
08/03	78.0	75.8	24.0	0.0	12.3	Heavy	100	Heavy
08/04	78.3	76.4	24.0	0.0	13.3		100	Heavy
08/05	78.9	77.1	24.0	0.0	8.8		100	Heavy
08/06	78.1	76.0	24.0	0.0	8.5		100	Heavy

Griswold, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-31 To 2009-08-06

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
07/31	75.9	24.0	0.94	139.8	76.2	1271 High	976 High
08/01	75.4	22.3	0.00	157.8	76.0	1533 High	1115 High
08/02	75.3	24.0	0.00	0.0	0.0	0	0
08/03	75.8	22.8	0.00	0.0	0.0	0	0
08/04	76.4	22.0	0.00	0.0	0.0	0	0
08/05	77.1	24.0	0.00	0.0	0.0	0	0
08/06	76.0	21.3	0.00	0.0	0.0	0	0

Deerfield, MA Black Rot - Grape From 2009-07-31 To 2009-08-07

Date	Temp	High Low	Wet Daily	Risk Warning
07/31	72.9	69.3	23.5 4.09	Infection Risk
08/01	71.0	67.4	17.8 7.14	Infection Risk
08/02	70.9	68.7	22.5 11.05	Infection Risk
08/03	71.4	68.1	16.8 13.95	Infection Risk
08/04	71.6	68.0	14.0 15.56	Infection Risk
08/05	71.6	69.4	14.0 2.57	Infection Risk
08/06	71.2	67.8	12.3 2.22	Infection Risk
08/07	70.3	67.6	8.0 2.00	Infection Risk

Deerfield, MA Downy Mildew - Grape From 2009-07-31 To 2009-08-07

Date	Temp	High Deg	Rain Hrs43	Wet Hours	Hours>95%RH	Risk Warning
07/31	72.9	0.0	0.90	23.5	21.3 21.3 1	Primary Infection
08/01	71.0	>min	0.01	17.8	11.0 11.0 3	High Risk of Infection
08/02	70.9	>min	0.09	22.5	17.3 17.3 3	High Risk of Infection
08/03	71.4	>min		16.8	9.3 9.3 3	High Risk of Infection
08/04	71.6	>min		14.0	6.8 6.8 3	High Risk of Infection
08/05	71.6	>min		14.0	6.3 6.3 3	High Risk of Infection
08/06	71.2	>min		12.3	3.8 3.8 3	High Risk of Infection
08/07	70.3	>min		8.0	0.8 0.8 3	High Risk of Infection

Deerfield, MA Powdery Mildew - Grape From 2009-07-31 To 2009-08-07

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

07/31	72.9	70.2	9.0	0.0	23.5	Heavy	
08/01	71.0	68.9	5.8	0.0	14.3	Heavy	
08/02	70.9	69.4	10.5	0.0	22.5	Heavy	
08/03	71.4	69.4	7.0	0.0	13.8	Heavy	
08/04	71.6	69.8	11.0	0.0	14.0	Heavy	60 Heavy
08/05	71.6	70.6	16.8	0.0	12.5	Heavy	80 Heavy
08/06	71.2	69.4	5.5	0.0	11.5	Heavy	70 Heavy
08/07	70.3	69.0	7.0	0.0	8.0		90 Heavy

Deerfield, MA Phomopsis Cane+Leaf Spot - Grape From 2009-07-31 To 2009-08-07

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

07/31	70.2	24.0	0.90	14.3	69.5	70	Moderate	107	High
08/01	68.9	24.0	0.01	38.3	69.1	291	High	300	High
08/02	69.4	24.0	0.09	62.3	69.2	582	High	498	High
08/03	69.4	23.5	0.00	80.3	69.1	840	High	649	High
08/04	69.8	23.5	0.00	0.0	0.0	0		0	
08/05	70.6	21.3	0.00	0.0	0.0	0		0	
08/06	69.4	20.0	0.00	0.0	0.0	0		0	
08/07	69.0	8.8	0.00	0.0	0.0	0		0	

Colchester, CT Black Rot - Grape From 2009-07-31 To 2009-08-07

High Low Wet Daily
Date Temp Temp Hours Risk Warning

07/31	74.8	71.9	24.0	4.08	Infection Risk
08/01	73.9	70.3	24.0	8.21	Infection Risk
08/02	73.4	71.3	24.0	12.36	Infection Risk
08/03	73.9	70.8	24.0	16.48	Infection Risk
08/04	74.6	72.2	24.0	20.52	Infection Risk
08/05	75.4	73.1	24.0	24.48	Infection Risk
08/06	75.0	71.6	24.0	28.57	Infection Risk
08/07	72.6	70.3	8.8	30.09	Infection Risk

Colchester, CT Downy Mildew - Grape From 2009-07-31 To 2009-08-07

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

07/31	74.8	0.0	0.56	24.0	19.0	19.0	1	Primary Infection
08/01	73.9	>min	0.30	24.0	9.0	9.0	3	High Risk of Infection
08/02	73.4	>min	0.04	24.0	18.0	18.0	3	High Risk of Infection
08/03	73.9	>min		24.0	8.5	8.5	3	High Risk of Infection
08/04	74.6	>min		24.0	7.0	7.0	3	High Risk of Infection
08/05	75.4	>min		24.0	4.3	4.3	3	High Risk of Infection
08/06	75.0	>min		24.0	0.0	0.0	0	
08/07	72.6	>min		8.8	0.0	0.0	0	

Colchester, CT Powdery Mildew - Grape From 2009-07-31 To 2009-08-07

Date	Temperature High	Hours Mean	Hours 70-85	Wet >95	Wet Hours	Ascospore Infection	Conidial Index
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07/31	74.8	72.9	24.0	0.0	24.0	Heavy	
08/01	73.9	71.9	24.0	0.0	24.0	Heavy	
08/02	73.4	71.9	24.0	0.0	24.0	Heavy	60 Heavy
08/03	73.9	72.2	24.0	0.0	24.0	Heavy	80 Heavy
08/04	74.6	73.3	24.0	0.0	24.0	Heavy	100 Heavy
08/05	75.4	74.1	24.0	0.0	24.0	Heavy	100 Heavy
08/06	75.0	72.7	24.0	0.0	24.0	Heavy	100 Heavy
08/07	72.6	71.5	8.8	0.0	9.3	Heavy	100 Heavy

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-31 To 2009-08-07

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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07/31	72.9	24.0	0.56	14.0	72.5	60 Moderate	100 High
08/01	71.9	24.0	0.30	38.0	72.1	256 High	286 High
08/02	71.9	24.0	0.04	62.0	72.0	517 High	476 High
08/03	72.2	24.0	0.00	86.0	72.1	824 High	669 High
08/04	73.3	24.0	0.00	110.0	72.3	1157 High	859 High
08/05	74.1	24.0	0.00	134.0	72.7	1510 High	1047 High
08/06	72.7	24.0	0.00	158.0	72.7	1910 High	1243 High
08/07	71.5	8.8	0.00	167.3	72.6	2080 High	1321 High