

**Disease Risk Reports for Deerfield, MA 6/11/09 - 6/19/09**

**Black Rot**

Deerfield 6-19 Black Rot - Grape From 2009-06-11 To 2009-06-19

Date	Temp	High Temp	Low Temp	Wet Hours	Daily Risk	Daily Warning
06/11	64.2	62.7	16.8	2.30	Infection Risk	
06/12	65.1	61.6	13.0	3.78	Infection Risk	
06/13	67.3	63.0	13.0	1.22	Infection Risk	
06/14	67.2	64.4	16.0	3.53	Infection Risk	
06/15	66.5	63.9	18.5	6.31	Infection Risk	
06/16	65.3	62.5	11.5	7.45	Infection Risk	
06/17	65.2	62.2	11.3	1.81	Infection Risk	
06/18	65.1	62.1	24.0	3.49	Infection Risk	
06/19	62.7	61.8	11.0	4.86	Infection Risk	

Deerfield 6-19 Downy Mildew - Grape From 2009-06-11 To 2009-06-19

Date	Temp	High Hrs43	Deg Fall	Rain Hours	Wet 43-86	Hours >95RH 66-77	Risk Warning
06/11	64.2	0.0	0.45	16.8	12.8	0.0 1	Primary Infection
06/12	65.1	>min	1.08	13.0	11.5	0.0 1	Possible Infection
06/13	67.3	>min	0.19	13.0	1.3	0.0 1	Possible Infection
06/14	67.2	>min	0.36	16.0	11.0	6.0 3	High Risk of Infection
06/15	66.5	>min	0.34	18.5	13.8	3.0 3	High Risk of Infection
06/16	65.3	>min		11.5	5.5	0.0 1	Possible Infection
06/17	65.2	>min		11.3	8.8	0.0 1	Possible Infection
06/18	65.1	>min	1.16	24.0	14.3	0.0 1	Possible Infection

Deerfield 6-19 Powdery Mildew - Grape From 2009-06-11 To 2009-06-19

Date	High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/11	64.2	63.2	0.0	0.0	16.8	Heavy	
06/12	65.1	62.7	0.0	0.0	13.0	Heavy	
06/13	67.3	64.8	0.0	0.0	13.0		
06/14	67.2	65.7	0.0	0.0	16.0	Heavy	
06/15	66.5	64.7	0.0	0.0	18.5	Heavy	
06/16	65.3	63.6	0.0	0.0	11.5	Heavy	
06/17	65.2	63.7	0.0	0.0	11.3	Heavy	
06/18	65.1	62.9	0.0	0.0	24.0	Heavy	
06/19	62.7	62.1	0.0	0.0	11.0	Heavy	

Deerfield 6-19 Phomopsis Cane+Leaf Spot - Grape From 2009-06-11 To 2009-06-19

Date	Temp Mean	Wet Hours	Rain-Fall	Rain	Wet+ Temp	Wet Catawba	Disease Intensity	Seyval
06/11	63.2	18.5	0.45	10.3	63.2	48	Moderate	74 Moderate
06/12	62.7	17.5	1.08	16.5	62.2	94	High	120 High
06/13	64.8	14.0	0.19	3.3	67.3	9	Light	23 Light
06/14	65.7	16.5	0.36	15.0	66.2	81	Moderate	114 High
06/15	64.7	18.5	0.34	16.5	64.8	95	High	125 High
06/16	63.6	12.3	0.00	16.0	63.9	91	High	119 High
06/17	63.7	11.3	0.00	0.0	0.0	0		0
06/18	62.9	24.0	1.16	18.8	62.4	113	High	137 High
06/19	62.1	14.8	0.19	34.0	62.3	265	High	254 High

**Disease Risk Reports for Newport, RI 6/11/09 - 6/19/09**

Newport Black Rot - Grape From 2009-06-03 To 2009-06-11

Date	Temp	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/11	60.5	58.8	14.3	1.48	Infection Risk	
06/12	62.1	59.9	20.5	3.80	Infection Risk	
06/13	64.5	61.2	12.3	4.74	Infection Risk	
06/14	63.2	61.4	14.5	2.02	Infection Risk	
06/15	62.7	60.3	12.0	1.28	Infection Risk	
06/16	61.7	60.4	6.8	0.91		
06/17	62.8	58.7	11.3	1.25	Infection Risk	
06/18	61.1	59.7	16.3	2.22	Infection Risk	

Newport Downy Mildew - Grape From 2009-06-11 To 2009-06-19

Date	Temp	High Hrs43	Deg Fall	Rain Hours	Wet 43-86	Hours >95%RH	Risk	Warning
06/11	60.5	0.0	0.01	14.3	9.3	0.0	1	Primary Infection
06/12	62.1	>min	0.40	20.5	20.3	0.0	1	Possible Infection
06/13	64.5	>min	0.03	12.3	7.8	0.0	1	Possible Infection
06/14	63.2	>min	0.14	14.5	10.0	0.0	1	Possible Infection
06/15	62.7	>min		12.0	7.0	0.0	1	Possible Infection
06/16	61.7	>min		6.8	0.5	0.0	1	Possible Infection
06/17	62.8	>min		11.3	7.0	0.0	1	Possible Infection
06/18	61.1	>min	0.44	16.3	6.3	0.0	1	Possible Infection

Newport Powdery Mildew - Grape From 2009-06-11 To 2009-06-19

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/11	60.5	59.6	0.0	0.0	12.3		
06/12	62.1	60.8	0.0	0.0	20.5	Heavy	
06/13	64.5	62.7	0.0	0.0	12.3	Heavy	
06/14	63.2	62.3	0.0	0.0	14.3	Heavy	

06/15	62.7	61.5	0.0	0.0	11.8	
06/16	61.7	61.0	0.0	0.0	5.8	
06/17	62.8	60.7	0.0	0.0	11.0	
06/18	61.1	60.3	0.0	0.0	15.8	
06/19	61.8	61.1	0.0	0.0	12.8	Heavy

Newport Phomopsis Cane+Leaf Spot - Grape From 2009-06-11 To 2009-06-19

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Intensity Seyval
06/11	59.6	19.5	0.01	3.3	60.3	9 Light	21 Light
06/12	60.8	24.0	0.40	27.3	60.8	189 High	194 High
06/13	62.7	19.8	0.03	39.8	61.0	326 High	289 High
06/14	62.3	16.8	0.14	11.5	62.2	56 Moderate	82 Moderate
06/15	61.5	13.8	0.00	0.0	0.0	0	0
06/16	61.0	12.8	0.00	0.0	0.0	0	0
06/17	60.7	11.8	0.00	0.0	0.0	0	0
06/18	60.3	17.3	0.44	8.3	60.6	34 Moderate	56 Moderate
06/19	61.1	15.8	0.77	24.5	61.0	163 High	175 High

**Disease Risk Reports for Colchester, CT, CT 6/11/09 - 6/19/09**

Colchester, CT Black Rot - Grape From 2009-06-11 To 2009-06-19

Date	Temp	High Temp	Low Hours	Wet Risk	Daily Warning
06/11	63.4	61.8	24.0	3.13	Infection Risk
06/12	65.8	62.4	24.0	6.47	Infection Risk
06/13	67.3	63.4	24.0	10.13	Infection Risk
06/14	67.2	63.6	23.0	13.67	Infection Risk
06/15	66.8	62.6	23.0	17.07	Infection Risk
06/16	66.5	62.8	23.0	20.42	Infection Risk
06/17	66.5	61.5	19.3	23.10	Infection Risk
06/18	65.6	62.2	24.0	26.32	Infection Risk

Colchester, CT Downy Mildew - Grape From 2009-06-11 To 2009-06-19

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk Warning
06/11	63.4	0.0	0.06	24.0	14.8	0.0	1 Primary Infection
06/12	65.8	>min	0.54	24.0	17.3	0.0	1 Possible Infection
06/13	67.3	>min		24.0	8.0	2.5	3 High Risk of Infection
06/14	67.2	>min	0.43	23.0	10.3	4.5	3 High Risk of Infection
06/15	66.8	>min		23.0	11.3	3.3	3 High Risk of Infection
06/16	66.5	>min	0.03	23.0	8.8	0.3	1 Possible Infection
06/17	66.5	>min		19.3	8.8	0.0	1 Possible Infection
06/18	65.6	>min	1.04	24.0	14.3	0.0	1 Possible Infection

Colchester, CT Powdery Mildew - Grape From 2009-06-11 To 2009-06-19

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/11	63.4	62.6	0.0	0.0	19.0	Heavy	
06/12	65.8	63.7	0.0	0.0	24.0	Heavy	
06/13	67.3	65.3	0.0	0.0	21.5	Heavy	
06/14	67.2	65.5	0.0	0.0	17.0	Heavy	
06/15	66.8	64.8	0.0	0.0	17.5	Heavy	
06/16	66.5	64.5	0.0	0.0	15.5	Heavy	
06/17	66.5	64.1	0.0	0.0	13.3	Heavy	
06/18	65.6	63.1	0.0	0.0	24.0	Heavy	
06/19	65.0	63.1	0.0	0.0	16.3	Heavy	

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-11 To 2009-06-19

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Intensity Seyval
06/11	62.6	24.0	0.06	2.3	63.2	5 Light	15 Light
06/12	63.7	24.0	0.54	26.3	63.6	184 High	199 High
06/13	65.3	24.0	0.00	50.3	64.4	466 High	395 High
06/14	65.5	24.0	0.43	74.3	64.8	814 High	595 High
06/15	64.8	24.0	0.00	98.3	64.8	1215 High	797 High
06/16	64.5	24.0	0.03	122.3	64.7	1661 High	999 High
06/17	64.1	24.0	0.00	146.3	64.6	2147 High	1203 High
06/18	63.1	24.0	1.04	170.3	64.4	2670 High	1405 High
06/19	63.1	15.8	0.13	186.5	64.3	3043 High	1543 High

**Disease Risk Reports for New Preston, CT 6/11/09 - 6/19/09**

New Preston, CT Black Rot - Grape From 2009-06-11 To 2009-06-19

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/11	63.6	61.8	24.0	3.11	Infection Risk
06/12	66.6	61.4	18.3	5.42	Infection Risk
06/13	66.6	63.2	8.3	6.02	Infection Risk
06/14	67.0	63.3	11.8	1.84	Infection Risk
06/15	66.0	63.0	12.3	1.90	Infection Risk
06/16	67.6	62.6	9.8	1.49	Infection Risk
06/17	66.8	63.1	10.8	1.69	Infection Risk
06/18	65.3	62.0	24.0	3.63	Infection Risk

New Preston, CT Downy Mildew - Grape From 2009-06-11 To 2009-06-19

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

06/11	63.6	0.0	0.72	24.0	24.0	0.0	1	Primary Infection
06/12	66.6	>min	1.03	18.3	11.8	0.0	1	Possible Infection
06/13	66.6	>min	0.50	8.3	1.5	1.3	3	High Risk of Infection
06/14	67.0	>min	1.32	11.8	7.8	0.0	1	Possible Infection
06/15	66.0	>min	0.15	12.3	6.3	0.0	1	Possible Infection
06/16	67.6	>min		9.8	4.0	0.0	1	Possible Infection
06/17	66.8	>min		10.8	7.0	0.3	1	Possible Infection
06/18	65.3	>min	1.59	24.0	20.5	0.0	1	Possible Infection

New Preston, CT Powdery Mildew - Grape From 2009-06-11 To 2009-06-19

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/11	63.6	62.5	0.0	0.0	23.8	Heavy	
06/12	66.6	63.2	0.0	0.0	11.5	Heavy	
06/13	66.6	65.0	0.0	0.0	7.5		
06/14	67.0	65.0	0.0	0.0	11.5		
06/15	66.0	64.4	0.0	0.0	12.0		
06/16	67.6	64.7	0.0	0.0	9.5		
06/17	66.8	64.9	0.0	0.0	10.3		
06/18	65.3	62.8	0.0	0.0	24.0	Heavy	
06/19	64.1	62.2	0.0	0.0	7.8	Heavy	

Hoipkins Phomopsis Cane+Leaf Spot - Grape From 2009-06-11 To 2009-06-19

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
06/11	62.5	24.0	0.72	19.5	62.4	120 High	143 High
06/12	63.2	24.0	1.03	43.5	62.8	379 High	332 High
06/13	65.0	24.0	0.50	67.5	63.6	712 High	531 High
06/14	65.0	23.5	1.32	86.8	63.8	1019 High	691 High
06/15	64.4	20.0	0.15	12.8	63.7	66 Moderate	94 High
06/16	64.7	22.8	0.00	0.0	0.0	0	0
06/17	64.9	15.3	0.00	0.0	0.0	0	0
06/18	62.8	24.0	1.59	21.3	62.5	136 High	156 High
06/19	62.2	15.8	0.02	37.5	62.4	305 High	282 High