

Hamden\_Ri sk\_7\_1\_2009.txt

Hamden, CT Black Rot - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/21	74.3	62.7	19.8	3.02	Infection Risk
06/22	71.7	64.2	16.0	5.49	Infection Risk
06/23	77.5	64.0	11.3	6.49	Infection Risk
06/24	71.6	62.2	21.5	4.02	Infection Risk
06/25	79.2	62.3	17.8	6.70	Infection Risk
06/26	81.2	61.8	21.5	9.96	Infection Risk
06/27	82.1	58.8	13.0	11.34	Infection Risk
06/28	79.0	60.5	12.8	1.47	Infection Risk
06/29	82.7	62.2	12.8	1.80	Infection Risk
06/30	84.0	58.0	10.8	1.74	Infection Risk
07/01	65.4	62.8	6.8	1.37	Infection Risk

Hamden, CT Botrytis - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
06/21	74.3	62.7	19.8	10.8	2.21	High Infection Risk
06/22	71.7	64.2	16.0		1.32	High Infection Risk
06/23	77.5	64.0	11.3		0.15	Low Infection Risk
06/24	71.6	62.2	21.5	12.3	2.62	High Infection Risk
06/25	79.2	62.3	17.8	8.5	1.64	High Infection Risk
06/26	81.2	61.8	21.5	11.8	2.54	High Infection Risk
06/27	82.1	58.8	13.0	7.8	0.33	Low Infection Risk
06/28	79.0	60.5	12.8	7.5	0.38	Low Infection Risk
06/29	82.7	62.2	12.8	7.3	0.47	Low Infection Risk
06/30	84.0	58.0	10.8	6.3	0.00	
07/01	65.4	62.8	6.8	5.3	0.00	

Hamden, CT Downy Mildew - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/21	74.3	0.0	0.47	19.8	10.3	0.5	1	Primary Infection
06/22	71.7	>min		16.0	0.0	0.0	0	
06/23	77.5	>min		11.3	0.0	0.0	0	
06/24	71.6	>min	0.18	21.5	10.5	0.3	1	Possible Infection
06/25	79.2	>min	0.02	17.8	8.3	0.5	3	High Risk of Infection
06/26	81.2	>min	0.14	21.5	9.8	0.3	1	Possible Infection
06/27	82.1	>min		13.0	7.8	0.3	1	Possible Infection
06/28	79.0	>min		12.8	6.0	0.0	1	Possible Infection
06/29	82.7	>min	0.02	12.8	7.3	0.3	1	Possible Infection
06/30	84.0	>min		10.8	5.8	0.0	1	Possible Infection
07/01	65.4	>min		6.8	5.0	0.0	1	Possible Infection

Hamden, CT Powdery Mildew - Grape From 2009-06-21 To 2009-07-01

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/21	74.3	66.6	2.8	0.0	16.5	Heavy	
06/22	71.7	66.8	3.3	0.0	12.5	Heavy	
06/23	77.5	69.8	11.0	0.0	7.3		
06/24	71.6	66.0	1.5	0.0	18.5	Heavy	
06/25	79.2	69.1	9.8	0.0	12.0	Heavy	
06/26	81.2	68.4	8.0	0.0	15.8	Heavy	
06/27	82.1	70.4	13.3	0.0	9.0	Heavy	60 Heavy

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06/28	79.0	68.0	8.5	0.0	12.8	80	Heavy
06/29	82.7	71.2	12.5	0.0	11.0	100	Heavy
06/30	84.0	71.1	12.3	0.0	10.3	100	Heavy
07/01	65.4	64.3	0.0	0.0	7.3	90	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature	0.0
Upper Temperature	100.0
Wetness Threshold	6.0

Hamden, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-21 To 2009-07-01

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensi ty Seyval
06/21	66.6	24.0	0.47	24.0	66.6	159	Hi gh 186
06/22	66.8	24.0	0.00	48.0	66.7	427	Hi gh 383
06/23	69.8	24.0	0.00	72.0	67.7	747	Hi gh 584
06/24	66.0	24.0	0.18	96.0	67.3	1138	Hi gh 788
06/25	69.1	24.0	0.02	120.0	67.6	1554	Hi gh 994
06/26	68.4	24.0	0.14	144.0	67.8	2010	Hi gh 1201
06/27	70.4	24.0	0.00	168.0	68.1	2483	Hi gh 1408
06/28	68.0	24.0	0.00	192.0	68.1	3007	Hi gh 1618
06/29	71.2	24.0	0.02	216.0	68.5	3527	Hi gh 1826
06/30	71.1	24.0	0.00	240.0	68.7	4070	Hi gh 2034
07/01	64.3	6.8	0.00	247.3	68.6	4263	Hi gh 2100

Leaf Wetness Sensor Parameters:

Base Temperature	41.0
Upper Temperature	95.9
Wetness Threshold	3.0

Wet+Rain is the number of rain-initiated leaf wetness hours  
 Wet Temp is the mean temperature during the rain-initiated wetness period  
 Disease Intensity projects the estimated lesions per leaf