

Hamden, CT Black Rot - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	85.0	59.7	19.0	2.69	Infection Risk
08/02	79.3	63.6	24.0	6.59	Infection Risk
08/03	85.0	64.3	19.8	9.61	Infection Risk
08/04	85.5	66.4	16.0	12.12	Infection Risk
08/05	87.5	68.5	15.3	14.30	Infection Risk
08/06	78.9	61.1	4.3	0.63	
08/07	79.1	58.3	7.8	1.20	Infection Risk
08/08	77.5	57.2	4.5	0.55	
08/09	73.3	61.1	19.5	3.59	Infection Risk
08/10	90.4	69.3	21.3	6.58	Infection Risk
08/11	88.3	69.6	18.8	9.41	Infection Risk
08/12	82.5	67.9	19.8	12.72	Infection Risk
08/13	74.2	63.1	24.0	16.75	Infection Risk
08/14	85.8	58.5	20.5	19.51	Infection Risk
08/15	88.3	63.6	19.3	22.25	Infection Risk
08/16	91.7	64.2	18.0	24.89	Infection Risk
08/17	90.8	67.6	17.5	27.54	Infection Risk
08/18	91.3	66.8	16.8	29.98	Infection Risk
08/19	89.3	72.3	20.0	32.93	Infection Risk
08/20	89.1	69.7	21.5	35.95	Infection Risk
08/21	90.3	70.9	23.8	39.24	Infection Risk
08/22	85.0	70.3	24.0	42.82	Infection Risk
08/23	86.3	69.4	22.3	46.24	Infection Risk
08/24	84.3	65.8	19.8	49.36	Infection Risk
08/25	85.1	64.8	19.0	52.32	Infection Risk
08/26	86.8	62.8	17.0	54.82	Infection Risk
08/27	79.6	60.6	9.0	55.84	Infection Risk

Hamden, CT Botrytis - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/01	85.0	59.7	19.0	9.8	1.68	High Infection Risk
08/02	79.3	63.6	24.0	18.5	3.19	High Infection Risk
08/03	85.0	64.3	19.8	10.5	1.88	High Infection Risk
08/04	85.5	66.4	16.0	8.3	1.06	High Infection Risk
08/05	87.5	68.5	15.3	6.8	0.41	Low Infection Risk
08/06	78.9	61.1	4.3	1.5	0.00	
08/07	79.1	58.3	7.8		0.00	
08/08	77.5	57.2	4.5		0.00	
08/09	73.3	61.1	19.5	7.0	2.10	High Infection Risk
08/10	90.4	69.3	22.0	8.0	2.10	High Infection Risk
08/11	88.3	69.6	18.8	6.0	1.63	High Infection Risk
08/12	82.5	67.9	19.8	0.8	2.15	High Infection Risk
08/13	74.2	63.1	24.0	13.0	3.36	High Infection Risk
08/14	85.8	58.5	20.5	10.5	2.07	High Infection Risk
08/15	88.3	63.6	19.3	9.3	1.76	High Infection Risk
08/16	91.7	64.2	19.5	9.8	1.80	High Infection Risk
08/17	90.8	67.6	20.0	9.3	1.91	High Infection Risk
08/18	91.3	66.8	17.5	7.3	1.28	High Infection Risk
08/19	89.3	72.3	20.0	5.3	1.91	High Infection Risk
08/20	89.1	69.7	21.5	7.8	2.12	High Infection Risk
08/21	90.3	70.9	24.0	13.5	2.77	High Infection Risk
08/22	85.0	70.3	24.0	11.3	2.70	High Infection Risk
08/23	86.3	69.4	22.3	10.5	2.36	High Infection Risk

08/24	84.3	65.8	19.8	9.8	1.99	High Infection Risk
08/25	85.1	64.8	19.0	2.0	1.73	High Infection Risk
08/26	86.8	62.8	17.0	7.5	1.19	High Infection Risk
08/27	79.6	60.6	9.0		0.00	

Hamden, CT Downy Mildew - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/01	85.0	0.0	0.01	19.0	9.5	0.3	1	Primary Infection
08/02	79.3	>min	0.14	24.0	16.3	10.8	3	High Risk of Infection
08/03	85.0	>min		19.8	9.8	6.3	3	High Risk of Infection
08/04	85.5	>min		16.0	8.3	8.3	3	High Risk of Infection
08/05	87.5	>min		14.5	4.8	4.8	3	High Risk of Infection
08/06	78.9	>min		4.3	0.8	0.0	1	Possible Infection
08/07	79.1	>min		7.8	0.0	0.0	0	
08/08	77.5	>min		4.5	0.0	0.0	0	
08/09	73.3	>min		19.5	4.3	4.3	3	High Risk of Infection
08/10	90.4	>min	0.03	17.3	7.5	7.5	3	High Risk of Infection
08/11	88.3	>min		17.0	5.0	5.0	3	High Risk of Infection
08/12	82.5	>min		19.8	0.0	0.0	0	
08/13	74.2	>min	0.03	24.0	10.8	8.8	3	High Risk of Infection
08/14	85.8	>min		20.5	10.0	2.8	3	High Risk of Infection
08/15	88.3	>min		16.8	9.3	2.8	3	High Risk of Infection
08/16	91.7	>min		16.0	9.5	6.0	3	High Risk of Infection
08/17	90.8	>min		14.8	9.0	9.0	3	High Risk of Infection
08/18	91.3	>min		14.8	7.0	7.0	3	High Risk of Infection
08/19	89.3	>min		17.8	3.3	3.3	3	High Risk of Infection
08/20	89.1	>min		16.5	7.5	7.5	3	High Risk of Infection
08/21	90.3	>min	0.11	18.5	12.5	10.8	3	High Risk of Infection
08/22	85.0	>min	0.49	24.0	10.8	10.8	3	High Risk of Infection
08/23	86.3	>min		22.0	9.5	9.5	3	High Risk of Infection
08/24	84.3	>min		19.8	8.8	7.8	3	High Risk of Infection
08/25	85.1	>min		19.0	0.5	0.5	3	High Risk of Infection
08/26	86.8	>min		17.0	7.5	1.3	3	High Risk of Infection
08/27	79.6	>min		9.0	0.0	0.0	0	

Hamden, CT Powdery Mildew - Grape From 2009-08-01 To 2009-08-28

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	85.0	71.8	12.0	0.0	13.5		
08/02	79.3	70.7	14.5	0.0	23.5	Heavy	
08/03	85.0	73.7	13.3	0.0	13.8	Heavy	60 Heavy
08/04	85.5	75.3	15.0	0.0	11.5	Heavy	80 Heavy
08/05	87.5	78.2	20.5	0.0	9.3		100 Heavy
08/06	78.9	68.7	10.0	0.0	3.8		100 Heavy
08/07	79.1	69.0	11.0	0.0	4.8		100 Heavy
08/08	77.5	66.2	8.3	0.0	4.3		100 Heavy
08/09	73.3	68.4	11.8	0.0	16.5	Heavy	100 Heavy
08/10	90.4	79.5	8.3	0.0	15.3	Heavy	100 Heavy
08/11	88.3	78.2	17.3	0.0	14.0		100 Heavy
08/12	82.5	72.9	18.3	0.0	15.3	Heavy	100 Heavy
08/13	74.2	68.6	7.5	0.0	20.8	Heavy	100 Heavy
08/14	85.8	72.1	11.8	0.0	14.8	Heavy	100 Heavy
08/15	88.3	75.1	4.8	0.0	14.0	Heavy	90 Heavy
08/16	91.7	77.1	10.3	0.0	13.5	Heavy	100 Heavy
08/17	90.8	78.7	5.3	0.0	14.3		90 Heavy
08/18	91.3	78.8	11.5	0.0	11.8	Heavy	100 Heavy

08/19	89.3	78.8	18.0	0.0	13.8		100	Heavy
08/20	89.1	78.8	16.3	0.0	14.5	Heavy	100	Heavy
08/21	90.3	79.2	18.0	0.0	18.5	Heavy	100	Heavy
08/22	85.0	76.5	24.0	0.0	15.3	Heavy	100	Heavy
08/23	86.3	75.8	21.0	0.0	15.0	Heavy	100	Heavy
08/24	84.3	73.5	13.5	0.0	14.5	Heavy	100	Heavy
08/25	85.1	73.8	12.5	0.0	14.0	Heavy	100	Heavy
08/26	86.8	74.7	14.5	0.0	9.8	Heavy	100	Heavy
08/27	79.6	68.3	9.3	0.0	6.8		100	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 2009-08-01 To 2009-08-28

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/01	71.8	24.0	0.01	18.0	74.8	75 Moderate	122 High
08/02	70.7	24.0	0.14	42.0	72.5	290 High	315 High
08/03	73.7	24.0	0.00	66.0	72.9	541 High	498 High
08/04	75.3	24.0	0.00	90.0	73.5	813 High	677 High
08/05	78.2	24.0	0.00	114.0	74.5	1073 High	840 High
08/06	68.7	23.5	0.00	116.0	74.4	1109 High	859 High
08/07	69.0	21.5	0.00	0.0	0.0	0	0
08/08	66.2	15.3	0.00	0.0	0.0	0	0
08/09	68.4	24.0	0.00	0.0	0.0	0	0
08/10	79.5	24.0	0.03	20.5	80.8	51 Moderate	102 High
08/11	78.2	24.0	0.00	44.5	79.4	184 High	252 High
08/12	72.9	24.0	0.00	68.5	77.1	425 High	446 High
08/13	68.6	24.0	0.03	92.5	74.9	774 High	667 High
08/14	72.1	24.0	0.00	116.5	74.3	1120 High	864 High
08/15	75.1	24.0	0.00	140.5	74.5	1451 High	1046 High
08/16	77.1	24.0	0.00	164.5	74.9	1772 High	1217 High
08/17	78.7	24.0	0.00	188.5	75.3	2081 High	1378 High
08/18	78.8	24.0	0.00	212.5	75.7	2399 High	1538 High
08/19	78.8	24.0	0.00	236.5	76.0	2731 High	1698 High
08/20	78.8	24.0	0.00	260.5	76.3	3074 High	1858 High
08/21	79.2	24.0	0.11	284.5	76.5	3419 High	2015 High
08/22	76.5	24.0	0.49	308.5	76.5	3840 High	2193 High
08/23	75.8	24.0	0.00	332.5	76.5	4293 High	2376 High
08/24	73.5	24.0	0.00	356.5	76.3	4821 High	2576 High
08/25	73.8	24.0	0.00	380.5	76.1	5357 High	2775 High
08/26	74.7	24.0	0.00	404.5	76.0	5886 High	2967 High
08/27	68.3	20.5	0.00	421.5	75.8	6371 High	3130 High

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