

Hamden 2010 Black Rot - Grape From 2010-05-06 To 2010-05-26

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/06	80.1	60.5	10.8	1.86	Infection Risk
05/07	74.8	50.9	1.0	0.07	
05/08	78.8	53.3	4.3	0.49	
05/09	55.2	44.4		0.00	
05/10	60.9	43.3		0.00	
05/11	59.5	41.1		0.00	
05/12	53.0	46.0	13.3	0.59	
05/13	68.1	45.1	0.3	0.60	
05/14	78.3	52.7	9.8	0.66	
05/15	74.2	61.0	2.5	1.09	Infection Risk
05/16	74.8	51.2	2.8	0.09	
05/17	78.7	46.5	4.3	0.28	
05/18	61.0	54.2	14.3	1.22	Infection Risk
05/19	67.2	56.6	7.8	1.78	Infection Risk
05/20	82.7	53.8	9.0	0.61	
05/21	85.5	59.2	4.5	0.88	
05/22	76.9	55.5	7.3	0.36	
05/23	80.3	62.9	9.3	1.10	Infection Risk
05/24	80.1	63.9	10.0	1.59	Infection Risk
05/25	85.6	61.2	6.8	1.43	Infection Risk
05/26	85.0	61.7	5.8	0.80	

Hamden 2010 Downy Mildew - Grape From 2010-05-06 To 2010-05-26

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/06	80.1	0.0	0.73	10.8	8.3	8.3	1	Primary Infection
05/07	74.8	>min		1.0	0.0	0.0	0	
05/08	78.8	>min	0.07	4.3	0.8	0.0	1	Possible Infection
05/09	55.2	>min			0.0	0.0	0	
05/10	60.9	>min			0.0	0.0	0	
05/11	59.5	>min			0.0	0.0	0	
05/12	53.0	>min	0.32	17.3	5.3	0.0	1	Possible Infection
05/13	68.1	>min		6.5	5.3	0.0	1	Possible Infection
05/14	78.3	>min	1.11	9.8	5.5	0.3	1	Possible Infection
05/15	74.2	>min	0.72	2.5	1.8	1.8	3	High Risk of Infection
05/16	74.8	>min		2.8	0.0	0.0	0	
05/17	78.7	>min		6.5	0.0	0.0	0	
05/18	61.0	>min	0.78	14.3	7.3	0.0	1	Possible Infection
05/19	67.2	>min	0.05	7.8	8.5	0.0	1	Possible Infection
05/20	82.7	>min		9.0	6.3	0.0	1	Possible Infection
05/21	85.5	>min		4.5	1.5	0.0	1	Possible Infection
05/22	76.9	>min		7.3	0.0	0.0	0	
05/23	80.3	>min		9.3	3.3	0.3	1	Possible Infection
05/24	80.1	>min		10.0	8.8	1.3	3	High Risk of Infection
05/25	85.6	>min		6.8	7.0	0.3	1	Possible Infection
05/26	85.0	>min		5.8	2.3	0.0	1	Possible Infection

Hamden 2010 Powdery Mildew - Grape From 2010-05-06 To 2010-05-26

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
05/06	80.1	72.0	19.0	0.0	10.5		
05/07	74.8	62.1	5.8	0.0	0.8		
05/08	78.8	64.1	6.3	0.0	4.0		
05/09	55.2	49.5	0.0	0.0	0.0		
05/10	60.9	51.6	0.0	0.0	0.0		
05/11	59.5	51.3	0.0	0.0	0.0		
05/12	53.0	50.1	0.0	0.0	16.8		
05/13	68.1	56.9	0.0	0.0	6.5	Heavy	
05/14	78.3	64.5	6.3	0.0	9.5		
05/15	74.2	68.0	7.0	0.0	2.5		
05/16	74.8	63.4	7.0	0.0	2.3		60 Heavy
05/17	78.7	63.7	9.0	0.0	6.5		80 Heavy
05/18	61.0	57.6	0.0	0.0	14.0		70 Heavy
05/19	67.2	61.2	0.0	0.0	7.5	Heavy	60 Heavy
05/20	82.7	68.5	10.8	0.0	9.0		80 Heavy
05/21	85.5	71.1	11.3	0.0	4.5		100 Heavy
05/22	76.9	65.7	8.3	0.0	7.3		100 Heavy
05/23	80.3	68.8	9.0	0.0	8.5		100 Heavy
05/24	80.1	71.3	12.0	0.0	9.5		100 Heavy
05/25	85.6	73.6	14.5	0.0	6.5		100 Heavy
05/26	85.0	68.4	2.8	0.0	5.0		90 Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Hamden 2010 Phomopsis Cane+Leaf Spot - Grape From 2010-05-06 To 2010-05-26

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
05/06	72.0	10.8	0.73	7.3	71.6	24 Light	52 Moderate
05/07	62.1	1.0	0.00	0.0	0.0	0	0
05/08	64.1	4.8	0.07	2.0	64.4	5 Light	14 Light
05/09	49.5	0.0	0.00	0.0	0.0	0	0
05/10	51.6	0.0	0.00	0.0	0.0	0	0
05/11	51.3	0.0	0.00	0.0	0.0	0	0
05/12	50.1	18.5	0.32	9.8	48.8	17 Light	26 Light
05/13	56.9	6.8	0.00	0.0	0.0	0	0
05/14	64.5	9.8	1.11	6.0	55.4	17 Light	31 Moderate
05/15	68.0	2.8	0.72	3.5	68.2	10 Light	25 Light
05/16	63.4	2.8	0.00	0.0	0.0	0	0
05/17	63.7	6.5	0.00	0.0	0.0	0	0
05/18	57.6	15.0	0.78	15.3	57.2	73 Moderate	92 High
05/19	61.2	8.5	0.05	18.8	56.8	97 High	112 High
05/20	68.5	9.3	0.00	0.0	0.0	0	0
05/21	71.1	4.8	0.00	0.0	0.0	0	0
05/22	65.7	7.5	0.00	0.0	0.0	0	0
05/23	68.8	10.8	0.00	0.0	0.0	0	0
05/24	71.3	10.5	0.00	0.0	0.0	0	0
05/25	73.6	7.0	0.00	0.0	0.0	0	0
05/26	68.4	6.0	0.00	0.0	0.0	0	0

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