

Hamden 2011 Black Rot - Grape From 2011-05-01 To 2011-05-13

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	68.7	41.8		0.00	
05/02	63.3	36.4		0.00	
05/03	73.7	45.2	5.3	0.20	
05/04	63.4	46.7	14.8	1.15	Infection Risk
05/05	62.9	38.2		0.00	
05/06	68.6	34.7		0.00	
05/07	71.3	44.3	3.5	0.19	
05/08	70.5	46.5		0.19	
05/09	71.0	51.6	1.0	0.05	
05/10	70.2	49.5		0.00	
05/11	66.4	51.1	1.5	0.09	
05/12	70.5	47.0	3.0	0.12	
05/13	57.1	42.4		0.10	

Hamden2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-13

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours >95%RH 43-86	66-77	Risk	Warning
05/01	68.7	0.0		1.0	0.0	0.0	0	Primary Infection
05/02	63.3	>min			0.3	0.0	0	
05/03	73.7	>min		9.3	0.5	0.0	1	Possible Infection
05/04	63.4	>min	0.41	15.0	7.3	0.0	1	Possible Infection
05/05	62.9	>min			0.0	0.0	0	
05/06	68.6	>min			0.0	0.0	0	
05/07	71.3	>min	0.02	7.5	4.0	0.0	1	Possible Infection
05/08	70.5	>min		0.3	0.0	0.0	0	
05/09	71.0	>min		1.0	0.0	0.0	0	
05/10	70.2	>min			0.0	0.0	0	
05/11	66.4	>min		1.5	0.0	0.0	0	
05/12	70.5	>min		3.5	0.0	0.0	0	
05/13	57.1	>min		5.8	5.5	0.0	1	Possible Infection

Hamden2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-13

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
05/01	68.7	54.0	0.0	0.0	2.3		
05/02	63.3	50.5	0.0	0.0	6.5		
05/03	73.7	58.4	2.8	0.0	9.3		
05/04	63.4	53.0	0.0	0.0	15.0	Heavy	
05/05	62.9	52.2	0.0	0.0	0.0		
05/06	68.6	54.6	0.0	0.0	0.3		
05/07	71.3	56.8	0.3	0.0	7.5		

05/08	70.5	59.1	0.8	0.0	0.3
05/09	71.0	60.4	0.8	0.0	1.0
05/10	70.2	60.1	0.3	0.0	0.0
05/11	66.4	57.4	0.0	0.0	1.5
05/12	70.5	58.4	0.5	0.0	3.5
05/13	57.1	46.3	0.0	0.0	6.8

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-13

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
05/01	54.0	2.3	0.00	0.0	0.0	0	0
05/02	50.5	0.3	0.00	0.0	0.0	0	0
05/03	58.4	9.5	0.00	0.0	0.0	0	0
05/04	53.0	15.8	0.41	8.3	51.5	19 Light	31 Moderate
05/05	52.2	0.0	0.00	0.0	0.0	0	0
05/06	54.6	0.0	0.00	0.0	0.0	0	0
05/07	56.8	8.0	0.02	0.5	59.0	1 Light	3 Light
05/08	59.1	0.3	0.00	0.0	0.0	0	0
05/09	60.4	1.8	0.00	0.0	0.0	0	0
05/10	60.1	0.0	0.00	0.0	0.0	0	0
05/11	57.4	2.0	0.00	0.0	0.0	0	0
05/12	58.4	3.5	0.00	0.0	0.0	0	0
05/13	46.3	6.8	0.00	0.0	0.0	0	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