

Hamden 2011 Black Rot - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/22	62.5	52.3	8.8	0.59	
05/23	62.4	50.9	21.0	1.73	Infection Risk
05/24	80.8	60.6	12.5	2.84	Infection Risk
05/25	80.7	58.9	6.5	1.09	Infection Risk
05/26	78.2	55.1	12.5	0.93	
05/27	84.4	62.2	9.8	1.64	Infection Risk
05/28	80.5	62.5	12.0	1.64	Infection Risk
05/29	82.1	66.0	10.5	1.83	Infection Risk
05/30	87.6	63.4	13.8	2.29	Infection Risk
05/31	86.1	64.9	7.0	1.40	Infection Risk
06/01	82.9	61.5	11.0	1.21	Infection Risk
06/02	74.8	52.6	6.3	1.36	Infection Risk
06/03	73.3	51.9		0.00	
06/04	79.6	49.2	2.0	0.10	
06/05	71.7	45.8	2.3	0.19	
06/06	79.1	57.7	0.8	0.07	

Hamden 2011 Downy Mildew - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/22	62.5	0.0	0.16	8.8	9.8	0.0	1	Primary Infection
05/23	62.4	>min	0.62	21.0	23.5	0.0	1	Possible Infection
05/24	80.8	>min	0.01	12.5	12.8	1.0	3	High Risk of Infection
05/25	80.7	>min		6.5	0.0	0.0	0	
05/26	78.2	>min		12.5	14.0	1.5	3	High Risk of Infection
05/27	84.4	>min		9.8	8.8	0.3	1	Possible Infection
05/28	80.5	>min		12.0	11.8	3.5	3	High Risk of Infection
05/29	82.1	>min		10.5	8.0	8.0	3	High Risk of Infection
05/30	87.6	>min	0.34	13.8	11.5	5.3	3	High Risk of Infection
05/31	86.1	>min		7.0	1.3	0.3	1	Possible Infection
06/01	82.9	>min		11.0	7.0	3.0	3	High Risk of Infection
06/02	74.8	>min		6.3	0.3	0.0	0	
06/03	73.3	>min			0.0	0.0	0	
06/04	79.6	>min		2.0	0.0	0.0	0	
06/05	71.7	>min		6.5	4.8	0.0	1	Possible Infection
06/06	79.1	>min		0.8	0.0	0.0	0	

Hamden 2011 Powdery Mildew - Grape From 2011-05-22 To 2011-06-06

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/22	62.5	56.2	0.0	0.0	8.8		
05/23	62.4	56.3	0.0	0.0	21.0	Heavy	
05/24	80.8	68.2	8.8	0.0	12.5	Heavy	
05/25	80.7	69.5	11.3	0.0	5.5		
05/26	78.2	66.0	7.3	0.0	12.3		60 Heavy
05/27	84.4	72.1	12.0	0.0	9.5		80 Heavy
05/28	80.5	70.0	10.0	0.0	11.8		100 Heavy
05/29	82.1	72.3	13.3	0.0	10.3		100 Heavy
05/30	87.6	73.4	4.3	0.0	13.8	Heavy	90 Heavy
05/31	86.1	74.3	13.3	0.0	7.0		100 Heavy
06/01	82.9	72.1	13.8	0.0	11.0		100 Heavy
06/02	74.8	65.2	9.0	0.0	6.3		100 Heavy
06/03	73.3	62.7	5.3	0.0	0.0		90 Heavy
06/04	79.6	63.9	8.5	0.0	2.0		100 Heavy
06/05	71.7	59.8	1.8	0.0	6.5		90 Heavy
06/06	79.1	65.5	4.8	0.0	0.8		80 Heavy

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-22 To 2011-06-06

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
05/22	56.2	9.0	0.16	6.8	54.4	19 Light	33 Moderate
05/23	56.3	21.0	0.62	19.3	56.2	97 High	111 High
05/24	68.2	13.0	0.01	19.8	61.0	120 High	139 High
05/25	69.5	7.0	0.00	0.0	0.0	0	0
05/26	66.0	13.0	0.00	0.0	0.0	0	0
05/27	72.1	10.0	0.00	0.0	0.0	0	0
05/28	70.0	12.0	0.00	0.0	0.0	0	0
05/29	72.3	10.8	0.00	0.0	0.0	0	0
05/30	73.4	13.8	0.34	3.3	69.8	8 Light	23 Light
05/31	74.3	7.8	0.00	0.0	0.0	0	0
06/01	72.1	11.0	0.00	0.0	0.0	0	0
06/02	65.2	6.3	0.00	0.0	0.0	0	0
06/03	62.7	0.0	0.00	0.0	0.0	0	0
06/04	63.9	2.0	0.00	0.0	0.0	0	0
06/05	59.8	6.5	0.00	0.0	0.0	0	0
06/06	65.5	1.3	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