

Hamden 2011 Black Rot - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/22	73.5	63.7	16.0	2.62	Infection Risk
06/23	71.1	62.9	16.5	5.24	Infection Risk
06/24	68.2	61.6	13.0	6.22	Infection Risk
06/25	79.3	58.3	10.8	1.50	Infection Risk
06/26	82.6	64.2	10.0	1.62	Infection Risk
06/27	84.5	60.0	9.5	1.32	Infection Risk
06/28	84.0	64.3	9.8	1.51	Infection Risk
06/29	81.9	62.1	8.3	1.86	Infection Risk
06/30	81.3	56.5	6.0	0.50	
07/01	81.6	56.0	3.8	0.47	
07/02	85.2	61.1	11.0	1.48	Infection Risk
07/03	75.9	60.5	16.0	3.08	Infection Risk
07/04	87.0	65.8	10.0	4.37	Infection Risk
07/05	76.0	64.6	0.3	0.42	

Hamden 2011 Downy Mildew - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/22	73.5	0.0	0.44	16.0	15.8	9.5	1	Primary Infection
06/23	71.1	>min	0.66	16.5	19.5	12.8	3	High Risk of Infection
06/24	68.2	>min	0.03	13.0	14.8	0.0	1	Possible Infection
06/25	79.3	>min		10.8	11.3	0.3	1	Possible Infection
06/26	82.6	>min		10.0	7.0	2.3	3	High Risk of Infection
06/27	84.5	>min		9.5	3.5	0.0	1	Possible Infection
06/28	84.0	>min		9.8	2.3	0.5	3	High Risk of Infection
06/29	81.9	>min	0.06	8.3	5.0	4.8	3	High Risk of Infection
06/30	81.3	>min		6.0	0.0	0.0	0	
07/01	81.6	>min		3.8	0.0	0.0	0	
07/02	85.2	>min		11.0	0.0	0.0	0	
07/03	75.9	>min		16.0	8.5	3.8	3	High Risk of Infection
07/04	87.0	>min		10.0	7.5	7.0	3	High Risk of Infection
07/05	76.0	>min		0.3	0.0	0.0	0	

Hamden 2011 Powdery Mildew - Grape From 2011-06-22 To 2011-07-05

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/22	73.5	69.0	9.8	0.0	16.0	Heavy	
06/23	71.1	66.8	1.5	0.0	15.5	Heavy	
06/24	68.2	64.5	0.0	0.0	13.0	Heavy	
06/25	79.3	66.4	7.8	0.0	10.0		
06/26	82.6	71.8	12.5	0.0	9.5		
06/27	84.5	72.2	12.8	0.0	9.5		60 Heavy
06/28	84.0	74.0	16.5	0.0	9.5		80 Heavy
06/29	81.9	72.9	15.0	0.0	8.3		100 Heavy
06/30	81.3	70.3	12.0	0.0	5.5		100 Heavy
07/01	81.6	69.5	11.5	0.0	3.8		100 Heavy
07/02	85.2	72.2	13.3	0.0	11.0		100 Heavy
07/03	75.9	69.8	13.0	0.0	14.8	Heavy	100 Heavy
07/04	87.0	75.9	10.0	0.0	10.0	Heavy	100 Heavy
07/05	76.0	70.6	3.5	0.0	0.0		90 Heavy

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-22 To 2011-07-05

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/22	69.0	16.0	0.44	12.0	69.9	54 Moderate	89 Moderate
06/23	66.8	18.8	0.66	27.8	67.2	193 High	217 High
06/24	64.5	13.0	0.03	22.3	63.9	146 High	168 High
06/25	66.4	11.0	0.00	11.3	61.4	54 Moderate	79 Moderate
06/26	71.8	10.0	0.00	0.0	0.0	0	0
06/27	72.2	9.8	0.00	0.0	0.0	0	0
06/28	74.0	10.3	0.00	0.0	0.0	0	0
06/29	72.9	8.5	0.06	6.3	67.2	23 Light	46 Moderate
06/30	70.3	6.3	0.00	0.0	0.0	0	0
07/01	69.5	4.3	0.00	0.0	0.0	0	0
07/02	72.2	12.0	0.00	0.0	0.0	0	0
07/03	69.8	20.0	0.00	0.0	0.0	0	0
07/04	75.9	11.5	0.00	0.0	0.0	0	0
07/05	70.6	0.8	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