

Hamden 2011 Black Rot - Grape From 2011-06-01 To 2011-06-17

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	82.9	61.5	11.0	1.02	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	83.1	57.7	4.3	0.46	
06/07	90.6	56.7	6.8	1.03	Infection Risk
06/08	93.2	64.1	6.8	0.99	
06/09	88.9	64.9	13.5	1.21	Infection Risk
06/10	85.5	63.8	6.0	2.05	Infection Risk
06/11	63.8	55.4	12.8	1.34	Infection Risk
06/12	66.0	54.0	8.0	1.86	Infection Risk
06/13	73.5	57.3	7.0	0.63	
06/14	67.1	53.3	12.8	1.02	Infection Risk
06/15	80.7	51.9	10.5	1.37	Infection Risk
06/16	83.3	53.7	6.8	1.13	Infection Risk
06/17	68.1	62.7	6.5	0.91	

Hamden 2011 Downy Mildew - Grape From 2011-06-01 To 2011-06-17

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/01	82.9	0.0		11.0	7.0	3.0	1	Primary 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	83.1	>min		4.3	0.0	0.0	0	
06/07	90.6	>min		6.8	6.0	0.0	1	Possible Infection
06/08	93.2	>min	0.02	6.8	1.3	0.0	1	Possible Infection
06/09	88.9	>min	0.87	13.5	10.5	7.3	3	High Risk of Infection
06/10	85.5	>min		6.0	4.8	0.3	1	Possible Infection
06/11	63.8	>min	0.98	12.8	6.8	0.0	1	Possible Infection
06/12	66.0	>min	1.12	8.0	9.0	0.0	1	Possible Infection
06/13	73.5	>min	0.44	7.0	6.3	0.0	1	Possible Infection
06/14	67.1	>min	0.40	12.8	9.5	0.0	1	Possible Infection
06/15	80.7	>min	0.11	10.5	3.0	0.0	1	Possible Infection
06/16	83.3	>min	0.01	6.8	7.3	0.0	1	Possible Infection
06/17	68.1	>min	0.61	6.5	1.5	0.0	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-06-01 To 2011-06-17

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/01	82.9	72.1	13.8	0.0	11.0		
06/02	74.8	65.2	9.0	0.0	6.3		
06/03	73.3	62.7	5.3	0.0	0.0		
06/04	79.6	63.9	8.5	0.0	2.0		
06/05	71.7	59.8	1.8	0.0	6.5		
06/06	83.1	69.0	11.8	0.0	4.3		
06/07	90.6	74.6	5.3	0.0	6.8		
06/08	93.2	79.4	3.3	0.0	6.5		
06/09	88.9	73.6	4.0	0.0	13.3		
06/10	85.5	73.7	14.0	0.0	6.0	Heavy	
06/11	63.8	61.0	0.0	0.0	12.5		
06/12	66.0	59.3	0.0	0.0	7.8	Heavy	
06/13	73.5	64.4	3.3	0.0	7.0		
06/14	67.1	59.0	0.0	0.0	12.8		
06/15	80.7	66.1	9.5	0.0	10.3	Heavy	
06/16	83.3	69.8	11.8	0.0	6.8		
06/17	68.1	64.2	0.0	0.0	6.5		

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-01 To 2011-06-17

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
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	69.0	4.8	0.00	0.0	0.0	0	0
06/07	74.6	6.8	0.00	0.0	0.0	0	0
06/08	79.4	7.8	0.02	0.3	76.4	0 Light	1 Light
06/09	73.6	13.5	0.87	12.0	66.6	59 Moderate	91 High
06/10	73.7	6.3	0.00	13.0	65.9	67 Moderate	98 High
06/11	61.0	15.3	0.98	7.8	58.7	30 Light	49 Moderate
06/12	59.3	8.0	1.12	15.0	56.4	69 Moderate	87 Moderate
06/13	64.4	7.0	0.44	6.5	57.9	22 Light	39 Moderate
06/14	59.0	13.5	0.40	11.8	56.4	49 Moderate	67 Moderate
06/15	66.1	11.0	0.11	17.5	56.9	88 Moderate	104 High
06/16	69.8	6.8	0.01	11.5	58.3	51 Moderate	72 Moderate
06/17	64.2	6.5	0.61	2.5	63.1	6 Light	17 Light

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