

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/05	88.9	64.6	3.8	0.57	
07/06	91.6	61.3	8.5	1.49	Infection Risk
07/07	88.6	66.0	9.8	1.47	Infection Risk
07/08	81.6	65.0	10.3	1.27	Infection Risk
07/09	85.4	64.9	6.8	2.39	Infection Risk
07/10	83.8	59.3	7.3	0.59	
07/11	91.9	64.7	7.0	1.44	Infection Risk
07/12	91.8	72.5		0.00	
07/13	86.6	63.4	2.8	0.46	
07/14	81.2	59.5	2.3	0.30	
07/15	85.2	61.3	4.5	0.57	
07/16	87.9	57.6	8.8	1.08	Infection Risk
07/17	89.7	60.6	8.0	1.26	Infection Risk
07/18	88.7	66.9	11.3	1.30	Infection Risk
07/19	91.8	69.2	9.8	1.99	Infection Risk
07/20	88.2	65.5	10.0	1.63	Infection Risk
07/21	92.7	72.7	6.8	1.65	Infection Risk
07/22	92.3	73.8	6.0	0.94	

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

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/05	88.9	0.0		3.8	0.0	0.0	0	Primary Infection
07/06	91.6	>min		8.5	3.3	0.0	1	Possible Infection
07/07	88.6	>min		9.8	5.5	5.5	3	High Risk of Infection
07/08	81.6	>min	1.82	10.3	6.8	4.3	3	High Risk of Infection
07/09	85.4	>min	0.03	6.8	6.5	5.8	3	High Risk of Infection
07/10	83.8	>min		7.3	0.5	0.5	3	High Risk of Infection
07/11	91.9	>min		7.0	7.3	2.5	3	High Risk of Infection
07/12	91.8	>min			0.0	0.0	0	
07/13	86.6	>min	0.18	2.8	0.0	0.0	0	
07/14	81.2	>min		2.3	0.0	0.0	0	
07/15	85.2	>min		4.5	0.0	0.0	0	
07/16	87.9	>min		8.8	3.0	0.0	1	Possible Infection
07/17	89.7	>min		8.0	5.8	0.0	1	Possible Infection
07/18	88.7	>min		11.3	2.3	2.3	3	High Risk of Infection
07/19	91.8	>min		9.8	7.0	7.0	3	High Risk of Infection
07/20	88.2	>min		10.0	6.5	6.0	3	High Risk of Infection
07/21	92.7	>min		6.8	1.0	1.0	3	High Risk of Infection
07/22	92.3	>min		6.0	2.3	2.3	3	High Risk of Infection

Hamden2011 Powdery Mildew - Grape From 2011-07-05 To 2011-07-22

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index	
	High	Mean						
07/05	88.9	77.0	5.8	0.0	3.0			
07/06	91.6	77.2	9.8	0.0	8.3			
07/07	88.6	77.3	10.5	0.0	9.5			
07/08	81.6	70.9	10.0	0.0	10.3		60	Heavy
07/09	85.4	75.2	13.0	0.0	6.8	Heavy	80	Heavy
07/10	83.8	72.6	14.3	0.0	7.3		100	Heavy
07/11	91.9	78.3	9.8	0.0	7.0		100	Heavy
07/12	91.8	82.1	9.0	0.0	0.0		100	Heavy
07/13	86.6	74.9	14.0	0.0	2.8		100	Heavy
07/14	81.2	69.7	11.5	0.0	2.0		100	Heavy
07/15	85.2	73.1	12.8	0.0	4.0		100	Heavy
07/16	87.9	73.6	4.5	0.0	8.8		90	Heavy
07/17	89.7	76.5	10.8	0.0	8.0		100	Heavy
07/18	88.7	77.2	14.5	0.0	11.0		100	Heavy
07/19	91.8	79.1	5.3	0.0	9.5		90	Heavy
07/20	88.2	76.7	10.0	0.0	10.0		100	Heavy
07/21	92.7	81.5	10.3	0.0	6.5		100	Heavy
07/22	92.3	78.7	12.5	0.0	6.0		100	Heavy

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

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/05	77.0	4.5	0.00	0.0	0.0	0	0
07/06	77.2	9.3	0.00	0.0	0.0	0	0
07/07	77.3	10.8	0.00	0.0	0.0	0	0
07/08	70.9	11.0	1.82	10.3	66.6	47 Moderate	77 Moderate
07/09	75.2	6.8	0.03	14.0	66.7	73 Moderate	106 High
07/10	72.6	8.0	0.00	0.0	0.0	0	0
07/11	78.3	7.3	0.00	0.0	0.0	0	0
07/12	82.1	0.0	0.00	0.0	0.0	0	0
07/13	74.9	2.8	0.18	2.8	67.7	7 Light	20 Light
07/14	69.7	2.5	0.00	0.0	0.0	0	0
07/15	73.1	5.5	0.00	0.0	0.0	0	0
07/16	73.6	8.8	0.00	0.0	0.0	0	0
07/17	76.5	8.0	0.00	0.0	0.0	0	0
07/18	77.2	11.3	0.00	0.0	0.0	0	0
07/19	79.1	9.8	0.00	0.0	0.0	0	0
07/20	76.7	10.5	0.00	0.0	0.0	0	0
07/21	81.5	7.5	0.00	0.0	0.0	0	0
07/22	78.7	6.3	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