

Hamden 2011 Black Rot - Grape From 2011-08-09 To 2011-08-24

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/09	82.5	66.4	12.8	1.64	Infection Risk
08/10	86.0	66.1	12.3	3.01	Infection Risk
08/11	80.8	60.4	7.5	1.76	Infection Risk
08/12	83.2	53.8	10.3	0.58	
08/13	84.9	56.7	7.3	1.28	Infection Risk
08/14	69.2	65.6	23.3	3.89	Infection Risk
08/15	72.5	63.5	22.8	7.73	Infection Risk
08/16	75.6	60.6	11.5	8.58	Infection Risk
08/17	87.5	57.7	12.0	1.45	Infection Risk
08/18	84.0	61.7	9.0	1.73	Infection Risk
08/19	82.0	64.1	9.0	1.46	Infection Risk
08/20	85.8	61.8	11.0	1.25	Infection Risk
08/21	85.1	63.5	14.5	1.88	Infection Risk
08/22	78.1	60.1	7.8	2.15	Infection Risk
08/23	78.2	52.0	7.8	0.47	
08/24	68.7	56.3	7.5	1.15	Infection Risk

Hamden 2011 Botrytis - Grape From 2011-08-09 To 2011-08-24

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/09	82.5	66.4	12.8	7.8	0.53	Moderate Infection Risk
08/10	86.0	66.1	12.3	7.3	0.42	Low Infection Risk
08/11	80.8	60.4	7.5	2.8	0.00	
08/12	83.2	53.8	10.3	4.3	0.00	
08/13	84.9	56.7	7.3	7.0	0.00	
08/14	69.2	65.6	23.3	22.0	3.21	High Infection Risk
08/15	72.5	63.5	22.8	23.5	3.12	High Infection Risk
08/16	75.6	60.6	11.5	11.8	0.16	Low Infection Risk
08/17	87.5	57.7	12.0	10.0	0.09	Low Infection Risk
08/18	84.0	61.7	9.0	8.3	0.00	
08/19	82.0	64.1	9.0	7.5	0.00	
08/20	85.8	61.8	11.0	6.3	0.06	Low Infection Risk
08/21	85.1	63.5	14.5	12.0	0.93	Moderate Infection Risk
08/22	78.1	60.1	7.8	5.5	0.00	
08/23	78.2	52.0	7.8	2.0	0.00	
08/24	68.7	56.3	7.5	7.3	0.00	

Hamden 2011 Downy Mildew - Grape From 2011-08-09 To 2011-08-24

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/09	82.5	0.0	1.74	12.8	7.0	7.0	1	Primary Infection
08/10	86.0	>min	0.01	12.3	6.8	6.8	3	High Risk of Infection
08/11	80.8	>min		7.5	1.3	0.0	1	Possible Infection
08/12	83.2	>min		10.3	3.0	0.0	1	Possible Infection
08/13	84.9	>min		7.3	6.8	0.0	1	Possible Infection
08/14	69.2	>min	2.64	23.3	21.5	20.5	3	High Risk of Infection
08/15	72.5	>min	0.48	22.8	22.5	19.0	3	High Risk of Infection
08/16	75.6	>min		11.5	11.5	0.0	1	Possible Infection
08/17	87.5	>min		12.0	8.8	0.3	1	Possible Infection
08/18	84.0	>min		9.0	7.5	0.8	3	High Risk of Infection
08/19	82.0	>min		9.0	7.5	4.3	3	High Risk of Infection
08/20	85.8	>min		11.0	5.3	0.3	1	Possible Infection
08/21	85.1	>min	0.22	14.5	11.5	4.8	3	High Risk of Infection
08/22	78.1	>min		7.8	5.5	5.5	3	High Risk of Infection
08/23	78.2	>min		7.8	0.8	0.0	1	Possible Infection
08/24	68.7	>min		7.5	7.3	0.0	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-08-09 To 2011-08-24

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/09	82.5	72.4	16.3	0.0	11.3		
08/10	86.0	75.4	15.5	0.0	12.3	Heavy	
08/11	80.8	71.3	13.3	0.0	7.5		60 Heavy
08/12	83.2	69.0	11.8	0.0	10.3		80 Heavy
08/13	84.9	71.3	13.3	0.0	7.3		100 Heavy
08/14	69.2	67.6	0.0	0.0	23.3	Heavy	90 Heavy
08/15	72.5	68.9	8.0	0.0	22.8	Heavy	100 Heavy
08/16	75.6	66.7	7.3	0.0	11.5	Heavy	100 Heavy
08/17	87.5	72.1	6.3	0.0	11.8		100 Heavy
08/18	84.0	73.0	15.5	0.0	9.0		100 Heavy
08/19	82.0	72.7	14.5	0.0	9.0		100 Heavy
08/20	85.8	73.6	5.8	0.0	11.0		90 Heavy
08/21	85.1	73.2	16.0	0.0	14.5		100 Heavy
08/22	78.1	69.7	10.8	0.0	7.5	Heavy	100 Heavy
08/23	78.2	66.0	9.3	0.0	7.8		100 Heavy
08/24	68.7	58.8	0.0	0.0	7.5		90 Heavy

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-09 To 2011-08-24

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/09	72.4	14.0	1.74	8.5	70.9	32 Moderate	62 Moderate
08/10	75.4	13.5	0.01	15.8	69.9	80 Moderate	119 High
08/11	71.3	7.8	0.00	0.0	0.0	0	0
08/12	69.0	10.5	0.00	0.0	0.0	0	0
08/13	71.3	7.5	0.00	0.0	0.0	0	0
08/14	67.6	23.5	2.64	21.0	67.6	129 High	162 High
08/15	68.9	22.8	0.48	77.0	68.3	812 High	625 High
08/16	66.7	11.8	0.00	49.5	67.2	442 High	396 High
08/17	72.1	12.3	0.00	0.0	0.0	0	0
08/18	73.0	9.3	0.00	0.0	0.0	0	0
08/19	72.7	9.3	0.00	0.0	0.0	0	0
08/20	73.6	11.5	0.00	0.0	0.0	0	0
08/21	73.2	15.5	0.22	7.8	73.7	24 Light	53 Moderate
08/22	69.7	8.3	0.00	12.5	70.8	55 Moderate	92 High
08/23	66.0	7.8	0.00	0.0	0.0	0	0
08/24	58.8	7.5	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