

Hamden 2011 Black Rot - Grape From 2011-08-01 To 2011-08-16

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	89.6	64.0	11.8	0.94	
08/02	89.6	61.8	7.5	2.01	Infection Risk
08/03	85.6	61.6	5.0	0.76	
08/04	86.6	65.8	7.5	1.97	Infection Risk
08/05	83.7	65.6	4.8	0.79	
08/06	83.6	68.1	10.3	0.91	
08/07	88.9	71.7	15.5	3.45	Infection Risk
08/08	89.8	71.2	7.8	4.61	Infection Risk
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	65.4	60.6	6.8	8.58	Infection Risk

Hamden 2011 Botrytis - Grape From 2011-08-01 To 2011-08-16

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/01	89.6	64.0	11.8	7.3	0.25	Low Infection Risk
08/02	89.6	61.8	7.5	7.5	0.00	
08/03	85.6	61.6	5.0	2.5	0.00	
08/04	86.6	65.8	7.5	7.5	0.00	
08/05	83.7	65.6	4.8	3.5	0.00	
08/06	83.6	68.1	10.3	6.3	0.00	
08/07	88.9	71.7	15.5	14.8	1.10	High Infection Risk
08/08	89.8	71.2	7.8	6.8	0.00	
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	65.4	60.6	6.8	7.3	0.00	

Hamden 2011 Downy Mildew - Grape From 2011-08-01 To 2011-08-16

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/01	89.6	0.0	1.16	11.8	6.0	0.5	1	Primary Infection
08/02	89.6	>min	0.01	7.5	7.5	0.3	1	Possible Infection
08/03	85.6	>min	0.04	5.0	2.0	2.0	3	High Risk of Infection
08/04	86.6	>min		7.5	6.8	5.5	3	High Risk of Infection
08/05	83.7	>min		4.8	2.8	2.5	3	High Risk of Infection
08/06	83.6	>min	0.22	10.3	4.3	4.3	3	High Risk of Infection
08/07	88.9	>min	2.02	15.5	14.3	13.8	3	High Risk of Infection
08/08	89.8	>min	0.01	7.8	6.3	6.3	3	High Risk of Infection
08/09	82.5	>min	1.74	12.8	7.0	7.0	3	High Risk of 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	65.4	>min		6.8	7.3	0.0	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-08-01 To 2011-08-16

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	89.6	74.7	3.5	0.0	11.5		
08/02	89.6	75.5	5.8	0.0	7.5	Heavy	
08/03	85.6	71.6	12.5	0.0	5.0		
08/04	86.6	73.4	15.8	0.0	7.3		
08/05	83.7	73.7	19.3	0.0	4.8		60 Heavy
08/06	83.6	74.9	19.8	0.0	10.0		80 Heavy
08/07	88.9	77.6	13.5	0.0	15.5	Heavy	100 Heavy
08/08	89.8	78.8	24.0	0.0	7.8	Heavy	100 Heavy
08/09	82.5	72.4	16.3	0.0	11.3		100 Heavy
08/10	86.0	75.4	15.5	0.0	12.3	Heavy	100 Heavy
08/11	80.8	71.3	13.3	0.0	7.5		100 Heavy
08/12	83.2	69.0	11.8	0.0	10.3		100 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	65.4	62.3	0.0	0.0	6.8	Heavy	90 Heavy

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-01 To 2011-08-16

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/01	74.7	12.0	1.16	6.0	65.8	22 Light	44 Moderate
08/02	75.5	7.5	0.01	13.5	64.8	71 Moderate	101 High
08/03	71.6	5.8	0.04	2.8	67.3	7 Light	20 Light
08/04	73.4	7.8	0.00	10.5	66.7	49 Moderate	79 Moderate
08/05	73.7	4.8	0.00	0.0	0.0	0	0
08/06	74.9	11.0	0.22	4.5	71.3	13 Light	32 Moderate
08/07	77.6	16.3	2.02	16.5	72.8	75 Moderate	118 High
08/08	78.8	8.3	0.01	5.8	72.4	17 Light	40 Moderate
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	62.3	7.0	0.00	49.5	67.2	442 High	396 High

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