

Hamden Black Rot - Grape From 2012-08-15 To 2012-08-31

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	80.6	64.5	14.0	1.43	Infection Risk
08/16	84.7	64.4	11.3	2.13	Infection Risk
08/17	87.7	59.2	10.5	1.65	Infection Risk
08/18	80.4	59.9	10.3	1.94	Infection Risk
08/19	74.7	53.9	6.0	0.30	
08/20	80.5	57.3	10.5	1.09	Infection Risk
08/21	81.9	61.6	9.8	1.11	Infection Risk
08/22	84.4	58.4	11.5	1.35	Infection Risk
08/23	85.7	59.7	11.8	1.54	Infection Risk
08/24	87.7	63.2	11.5	1.70	Infection Risk
08/25	84.5	62.2	9.5	1.88	Infection Risk
08/26	82.7	60.5	11.0	1.12	Infection Risk
08/27	83.0	57.7	9.5	1.54	Infection Risk
08/28	85.7	71.2	7.3	2.74	Infection Risk
08/29	77.3	53.1	5.8	0.35	
08/30	82.0	48.5	10.8	0.73	
08/31	66.6	53.3	7.8	1.11	Infection Risk

Hamden Botrytis - Grape From 2012-08-15 To 2012-08-31

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/15	80.6	64.5	14.0	13.8	0.86	Moderate Infection Risk
08/16	84.7	64.4	11.3	9.8	0.17	Low Infection Risk
08/17	87.7	59.2	10.5	8.8	0.00	
08/18	80.4	59.9	10.3	8.5	0.00	
08/19	74.7	53.9	6.0	3.0	0.00	
08/20	80.5	57.3	10.5	8.3	0.00	
08/21	81.9	61.6	9.8	6.8	0.00	
08/22	84.4	58.4	11.5	7.5	0.00	
08/23	85.7	59.7	11.8	9.5	0.13	Low Infection Risk
08/24	87.7	63.2	11.5	9.8	0.19	Low Infection Risk
08/25	84.5	62.2	9.5	8.0	0.00	
08/26	82.7	60.5	11.0	7.5	0.00	
08/27	83.0	57.7	9.5	10.0	0.00	
08/28	85.7	71.2	7.3	9.3	0.00	
08/29	77.3	53.1	5.8		0.00	
08/30	82.0	48.5	10.8	3.0	0.00	
08/31	66.6	53.3	7.8	3.5	0.00	

Hamden Downy Mildew - Grape From 2012-08-15 To 2012-08-31

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/15	80.6	0.0	0.56	14.0	13.3	11.5	1	Primary Infection
08/16	84.7	>min		11.3	9.0	6.3	3	High Risk of Infection
08/17	87.7	>min		10.5	8.5	1.3	3	High Risk of Infection
08/18	80.4	>min	0.28	10.3	6.3	0.5	3	High Risk of Infection
08/19	74.7	>min		6.0	0.8	0.0	1	Possible Infection
08/20	80.5	>min		10.5	7.0	0.0	1	Possible Infection
08/21	81.9	>min		9.8	4.5	0.0	1	Possible Infection
08/22	84.4	>min		11.5	7.3	0.0	1	Possible Infection
08/23	85.7	>min		11.8	9.0	0.0	1	Possible Infection
08/24	87.7	>min		11.5	9.3	2.8	3	High Risk of Infection
08/25	84.5	>min		9.5	7.5	0.8	3	High Risk of Infection
08/26	82.7	>min		11.0	5.8	0.0	1	Possible Infection
08/27	83.0	>min	0.03	9.5	9.0	0.8	3	High Risk of Infection
08/28	85.7	>min	0.05	7.3	6.3	6.3	3	High Risk of Infection
08/29	77.3	>min		5.8	0.0	0.0	0	
08/30	82.0	>min		10.8	2.0	0.0	1	Possible Infection
08/31	66.6	>min		7.8	2.8	0.0	1	Possible Infection

Hamden Powdery Mildew - Grape From 2012-08-15 To 2012-08-31

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/15	80.6	72.1	16.0	0.0	14.0		
08/16	84.7	73.6	13.0	0.0	11.3	Heavy	
08/17	87.7	73.8	4.8	0.0	10.5		
08/18	80.4	67.9	7.5	0.0	10.3	Heavy	
08/19	74.7	64.8	7.5	0.0	6.0		
08/20	80.5	68.3	10.3	0.0	10.5		60 Heavy
08/21	81.9	70.2	11.0	0.0	9.5		80 Heavy
08/22	84.4	69.8	10.8	0.0	11.3		100 Heavy
08/23	85.7	71.5	7.0	0.0	11.8		100 Heavy
08/24	87.7	73.7	4.8	0.0	11.5		90 Heavy
08/25	84.5	71.3	11.3	0.0	9.5		100 Heavy
08/26	82.7	69.9	11.0	0.0	11.0		100 Heavy
08/27	83.0	70.4	15.3	0.0	9.5	Heavy	100 Heavy
08/28	85.7	77.1	22.8	0.0	7.0	Heavy	100 Heavy
08/29	77.3	66.9	8.3	0.0	5.8		100 Heavy
08/30	82.0	65.8	9.5	0.0	10.5		100 Heavy
08/31	66.6	57.3	0.0	0.0	7.8		90 Heavy

Hamden Phomopsis Cane+Leaf Spot - Grape From 2012-08-15 To 2012-08-31

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/15	72.1	14.5	0.56	7.5	69.0	28 Light	55 Moderate
08/16	73.6	11.3	0.00	10.0	68.7	43 Moderate	75 Moderate
08/17	73.8	10.5	0.00	0.0	0.0	0	0
08/18	67.9	10.3	0.28	7.8	63.0	32 Moderate	55 Moderate
08/19	64.8	6.3	0.00	0.0	0.0	0	0
08/20	68.3	10.8	0.00	0.0	0.0	0	0
08/21	70.2	10.5	0.00	0.0	0.0	0	0
08/22	69.8	11.8	0.00	0.0	0.0	0	0
08/23	71.5	12.0	0.00	0.0	0.0	0	0
08/24	73.7	11.5	0.00	0.0	0.0	0	0
08/25	71.3	10.3	0.00	0.0	0.0	0	0
08/26	69.9	11.0	0.00	0.0	0.0	0	0
08/27	70.4	9.5	0.03	0.8	74.8	1 Light	4 Light
08/28	77.1	7.5	0.05	5.3	73.9	14 Light	35 Moderate
08/29	66.9	7.0	0.00	0.0	0.0	0	0
08/30	65.8	12.0	0.00	0.0	0.0	0	0
08/31	57.3	8.0	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