

Hamden 2011 Black Rot - Grape From 2011-07-15 To 2011-08-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/15	85.2	61.3	4.5	0.34	
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	100.5	73.2	6.3	0.94	
07/23	93.2	68.0	3.0	0.52	
07/24	88.1	69.4	8.5	1.42	Infection Risk
07/25	74.6	62.7	6.5	1.77	Infection Risk
07/26	87.9	63.4	12.3	1.70	Infection Risk
07/27	84.4	59.5	10.5	1.80	Infection Risk
07/28	86.6	61.4	7.0	1.44	Infection Risk
07/29	75.5	71.7	21.3	3.66	Infection Risk
07/30	88.3	69.5	7.0	4.78	Infection Risk
07/31	90.2	66.4		0.00	
08/01	88.0	64.9	5.5	0.90	

Hamden 2011 Botrytis - Grape From 2011-07-15 To 2011-08-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
07/15	85.2	61.3	4.5		0.00	
07/16	87.9	57.6	8.8	4.3	0.00	
07/17	89.7	60.6	8.0	6.3	0.00	
07/18	88.7	66.9	11.3	3.8	0.10	Low Infection Risk
07/19	91.8	69.2	9.8	7.8	0.00	
07/20	88.2	65.5	10.0	6.5	0.00	
07/21	92.7	72.7	6.8	3.5	0.00	
07/22	100.5	73.2	6.3	3.5	0.00	
07/23	93.2	68.0	3.0		0.00	
07/24	88.1	69.4	8.5	1.3	0.00	
07/25	74.6	62.7	6.5	1.0	0.00	
07/26	87.9	63.4	12.3	11.5	0.39	Low Infection Risk
07/27	84.4	59.5	10.5	7.3	0.00	
07/28	86.6	61.4	7.0	2.8	0.00	
07/29	75.5	71.7	21.3	19.0	2.51	High Infection Risk
07/30	88.3	69.5	7.0	3.0	0.00	
07/31	90.2	66.4			0.00	
08/01	88.0	64.9	5.5	1.8	0.00	

Hamden 2011 Downy Mildew - Grape From 2011-07-15 To 2011-08-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/15	85.2	0.0		4.5	0.0	0.0	0	Primary Infection
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	100.5	>min		6.3	2.3	2.3	3	High Risk of Infection
07/23	93.2	>min		3.0	0.0	0.0	0	
07/24	88.1	>min		8.5	0.0	0.0	0	
07/25	74.6	>min	0.01	6.5	0.5	0.0	1	Possible Infection
07/26	87.9	>min	0.16	12.3	8.0	4.0	3	High Risk of Infection
07/27	84.4	>min	0.01	10.5	6.8	0.3	1	Possible Infection
07/28	86.6	>min		7.0	2.5	0.0	1	Possible Infection
07/29	75.5	>min	0.05	21.3	13.3	13.3	3	High Risk of Infection
07/30	88.3	>min		7.0	2.8	2.8	3	High Risk of Infection
07/31	90.2	>min			0.0	0.0	0	
08/01	88.0	>min		5.5	1.0	0.3	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-07-15 To 2011-08-01

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/15	85.2	73.1	12.8	0.0	4.0		
07/16	87.9	73.6	4.5	0.0	8.8		
07/17	89.7	76.5	10.8	0.0	8.0		
07/18	88.7	77.2	14.5	0.0	11.0		
07/19	91.8	79.1	5.3	0.0	9.5		
07/20	88.2	76.7	10.0	0.0	10.0		
07/21	92.7	81.5	10.3	0.0	6.5		
07/22	100.5	87.1	12.5	8.5	6.3		60 Heavy
07/23	93.2	81.0	12.0	0.0	3.0		80 Heavy
07/24	88.1	78.4	16.8	0.0	8.3		100 Heavy
07/25	74.6	69.3	8.3	0.0	6.5		100 Heavy
07/26	87.9	72.1	5.3	0.0	12.3		90 Heavy
07/27	84.4	71.6	13.0	0.0	10.5		100 Heavy
07/28	86.6	74.0	15.8	0.0	6.8		100 Heavy
07/29	75.5	73.3	24.0	0.0	20.3	Heavy	100 Heavy
07/30	88.3	79.4	10.8	0.0	6.8	Heavy	100 Heavy
07/31	90.2	77.7	6.8	0.0	0.0		100 Heavy
08/01	88.0	73.1	7.3	0.0	5.3		100 Heavy

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-15 To 2011-08-01

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	87.1	6.8	0.00	0.0	0.0	0	0
07/23	81.0	3.8	0.00	0.0	0.0	0	0
07/24	78.4	9.5	0.00	0.0	0.0	0	0
07/25	69.3	8.5	0.01	0.8	68.8	1 Light	5 Light
07/26	72.1	12.5	0.16	5.3	67.9	18 Light	38 Moderate
07/27	71.6	11.0	0.01	11.8	64.8	58 Moderate	88 Moderate
07/28	74.0	7.5	0.00	0.0	0.0	0	0
07/29	73.3	23.3	0.05	15.3	73.8	63 Moderate	106 High
07/30	79.4	7.8	0.00	22.3	73.8	108 High	157 High
07/31	77.7	0.3	0.00	0.0	0.0	0	0
08/01	73.1	5.8	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