

Hamden 2011 Black Rot - Grape From 2011-08-21 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/21	85.1	63.5	14.5	1.18	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	79.9	56.3	7.5	1.15	Infection Risk
08/25	79.7	70.4	5.0	0.83	
08/26	87.0	66.4	12.0	2.06	Infection Risk
08/27	77.0	66.0	20.8	4.23	Infection Risk
08/28	75.5	62.7	14.8	6.74	Infection Risk
08/29	79.1	53.3	9.3	7.06	Infection Risk
08/30	82.2	54.5	11.5	0.98	
08/31	86.5	54.4	12.3	1.05	Infection Risk
09/01	80.4	60.1	12.0	1.64	Infection Risk
09/02	79.0	57.1	11.5	1.21	Infection Risk
09/03	84.4	57.7	7.5	1.24	Infection Risk
09/04	84.9	66.1	7.0	1.17	Infection Risk
09/05	81.3	66.0	4.0	0.67	
09/06	73.4	58.3	20.8	2.35	Infection Risk
09/07	65.6	57.6	21.0	4.73	Infection Risk
09/08	67.5	58.5	9.3	5.65	Infection Risk

Hamden 2011 Botrytis - Grape From 2011-08-21 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	79.9	56.3	7.5	7.3	0.00	
08/25	79.7	70.4	5.0	0.5	0.00	
08/26	87.0	66.4	12.0	9.8	0.37	Low Infection Risk
08/27	77.0	66.0	20.8	23.8	2.96	High Infection Risk
08/28	75.5	62.7	14.8	13.8	0.99	Moderate Infection Risk
08/29	79.1	53.3	9.3	6.0	0.00	
08/30	82.2	54.5	11.5	4.0	0.00	
08/31	86.5	54.4	12.3	7.0	0.00	
09/01	80.4	60.1	12.0	8.5	0.11	Low Infection Risk
09/02	79.0	57.1	11.5	9.0	0.00	
09/03	84.4	57.7	7.5	7.8	0.00	
09/04	84.9	66.1	7.0	6.3	0.00	
09/05	81.3	66.0	4.0	1.8	0.00	
09/06	73.4	58.3	20.8	18.3	1.96	High Infection Risk
09/07	65.6	57.6	21.0	24.0	2.82	High Infection Risk
09/08	67.5	58.5	9.3	10.3	0.00	

Hamden 2011 Downy Mildew - Grape From 2011-08-21 To 2011-09-08

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/21	85.1	0.0	0.22	14.5	11.5	4.8	1	Primary 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	79.9	>min		7.5	7.3	0.0	1	Possible Infection
08/25	79.7	>min	0.04	5.0	0.0	0.0	0	
08/26	87.0	>min		12.0	8.5	8.5	3	High Risk of Infection
08/27	77.0	>min	1.08	20.8	21.0	21.0	3	High Risk of Infection
08/28	75.5	>min	3.48	14.8	13.3	13.3	3	High Risk of Infection
08/29	79.1	>min		9.3	4.8	0.0	1	Possible Infection
08/30	82.2	>min		11.5	2.3	0.0	1	Possible Infection
08/31	86.5	>min		12.3	7.0	0.0	1	Possible Infection
09/01	80.4	>min		12.0	5.8	0.0	1	Possible Infection
09/02	79.0	>min		11.5	7.8	0.0	1	Possible Infection
09/03	84.4	>min		7.5	7.8	0.0	1	Possible Infection
09/04	84.9	>min		7.0	5.8	5.8	3	High Risk of Infection
09/05	81.3	>min		4.0	1.3	1.3	3	High Risk of Infection
09/06	73.4	>min	2.89	20.8	15.3	0.0	1	Possible Infection
09/07	65.6	>min	0.41	21.0	24.0	0.0	1	Possible Infection
09/08	67.5	>min	0.48	9.3	10.3	0.0	1	Possible Infection

SpecWare 9 Pro - Hamden2011 Powdery Mildew - Grape From 2011-08-21 To 2011-09-08

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/21	85.1	73.2	16.0	0.0	14.5		
08/22	78.1	69.7	10.8	0.0	7.5	Heavy	
08/23	78.2	66.0	9.3	0.0	7.8		60 Heavy
08/24	79.9	69.1	15.8	0.0	7.5		80 Heavy
08/25	79.7	73.8	24.0	0.0	4.8		100 Heavy
08/26	87.0	74.8	7.5	0.0	12.0		100 Heavy
08/27	77.0	71.6	16.3	0.0	20.5	Heavy	100 Heavy
08/28	75.5	71.0	8.3	0.0	14.8	Heavy	100 Heavy
08/29	79.1	65.0	7.8	0.0	9.3	Heavy	100 Heavy
08/30	82.2	66.4	9.3	0.0	11.5		100 Heavy
08/31	86.5	69.2	9.8	0.0	12.3		100 Heavy
09/01	80.4	68.5	10.5	0.0	12.0		100 Heavy
09/02	79.0	66.3	9.0	0.0	11.5		100 Heavy
09/03	84.4	70.5	15.0	0.0	7.5		100 Heavy
09/04	84.9	74.5	16.8	0.0	7.0		100 Heavy
09/05	81.3	74.2	19.5	0.0	4.0		100 Heavy
09/06	73.4	62.1	2.8	0.0	20.8	Heavy	90 Heavy
09/07	65.6	61.2	0.0	0.0	21.0	Heavy	80 Heavy
09/08	67.5	60.2	0.0	0.0	9.3	Heavy	70 Heavy

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-21 To 2011-09-08

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	69.1	7.5	0.00	0.0	0.0	0	0
08/25	73.8	7.3	0.04	1.3	75.0	2 Light	8 Light
08/26	74.8	12.0	0.00	0.0	0.0	0	0
08/27	71.6	22.0	1.08	17.0	74.2	72 Moderate	117 High
08/28	71.0	14.8	3.48	25.0	72.8	136 High	182 High
08/29	65.0	9.8	0.00	0.0	0.0	0	0
08/30	66.4	11.8	0.00	0.0	0.0	0	0
08/31	69.2	12.5	0.00	0.0	0.0	0	0
09/01	68.5	12.0	0.00	0.0	0.0	0	0
09/02	66.3	11.5	0.00	0.0	0.0	0	0
09/03	70.5	7.5	0.00	0.0	0.0	0	0
09/04	74.5	7.5	0.00	0.0	0.0	0	0
09/05	74.2	4.8	0.00	0.0	0.0	0	0
09/06	62.1	22.3	2.89	27.0	60.7	186 High	192 High
09/07	61.2	21.5	0.41	138.5	60.3	1911 High	1035 High
09/08	60.2	9.3	0.48	50.3	60.4	450 High	362 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