

Hamden 2011 Black Rot - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	80.4	60.1	12.0	0.92	
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	81.2	58.5	12.5	5.65	Infection Risk
09/09	84.1	59.1	10.5	1.53	Infection Risk
09/10	83.1	58.1	6.8	1.14	Infection Risk
09/11	75.3	57.7	8.3	0.74	
09/12	82.8	63.4	11.0	1.02	Infection Risk
09/13	84.1	59.9	11.0	1.76	Infection Risk
09/14	85.9	62.9	13.0	1.76	Infection Risk
09/15	78.1	51.7	11.0	2.50	Infection Risk
09/16	65.7	40.8	1.8	2.50	Infection Risk
09/17	64.8	44.0	3.3	0.15	
09/18	69.6	47.3	7.0	0.41	
09/19	70.6	44.3	6.3	0.30	
09/20	68.6	49.6	16.3	1.82	Infection Risk
09/21	60.8	56.6	4.0	2.19	Infection Risk

Hamden 2011 Botrytis - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	81.2	58.5	12.5	13.0	0.34	Low Infection Risk
09/09	84.1	59.1	10.5	9.3	0.00	
09/10	83.1	58.1	6.8	4.5	0.00	
09/11	75.3	57.7	8.3	2.0	0.00	
09/12	82.8	63.4	11.0	8.8	0.12	Low Infection Risk
09/13	84.1	59.9	11.0	10.5	0.08	Low Infection Risk
09/14	85.9	62.9	13.0	11.3	0.57	Moderate Infection Risk
09/15	78.1	51.7	11.0	8.8	0.04	Low Infection Risk
09/16	65.7	40.8	6.5	0.8	0.00	
09/17	64.8	44.0	7.0	3.0	0.00	
09/18	69.6	47.3	8.3	3.0	0.00	
09/19	70.6	44.3	11.8	2.8	0.00	
09/20	68.6	49.6	16.3	13.3	1.00	High Infection Risk
09/21	60.8	56.6	4.0	4.0	0.00	

Hamden 2011 Downy Mildew - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	80.4	0.0		12.0	5.8	0.0	1	Primary 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	81.2	>min	0.48	12.5	12.5	0.0	1	Possible Infection
09/09	84.1	>min		10.5	8.5	0.3	1	Possible Infection
09/10	83.1	>min		6.8	3.8	0.0	1	Possible Infection
09/11	75.3	>min		8.3	1.8	0.0	1	Possible Infection
09/12	82.8	>min		11.0	8.0	0.3	1	Possible Infection
09/13	84.1	>min		11.0	10.0	2.3	3	High Risk of Infection
09/14	85.9	>min		13.0	10.3	4.5	3	High Risk of Infection
09/15	78.1	>min	0.01	11.0	8.5	8.5	3	High Risk of Infection
09/16	65.7	>min		5.0	0.0	0.0	0	
09/17	64.8	>min		7.0	2.3	0.0	1	Possible Infection
09/18	69.6	>min		8.3	0.8	0.0	1	Possible Infection
09/19	70.6	>min		11.8	1.8	0.0	1	Possible Infection
09/20	68.6	>min	0.06	16.3	12.5	0.0	1	Possible Infection
09/21	60.8	>min		4.0	4.0	0.0	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-09-01 To 2011-09-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	80.4	68.5	10.5	0.0	12.0		
09/02	79.0	66.3	9.0	0.0	11.5		
09/03	84.4	70.5	15.0	0.0	7.5		60 Heavy
09/04	84.9	74.5	16.8	0.0	7.0		80 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	81.2	66.1	6.0	0.0	12.3	Heavy	100 Heavy
09/09	84.1	70.6	10.0	0.0	10.3		100 Heavy
09/10	83.1	69.4	10.3	0.0	6.8		100 Heavy
09/11	75.3	65.2	6.8	0.0	8.0		100 Heavy
09/12	82.8	70.8	11.3	0.0	11.0		100 Heavy
09/13	84.1	71.7	13.0	0.0	11.0	Heavy	100 Heavy
09/14	85.9	73.2	13.0	0.0	13.0		100 Heavy
09/15	78.1	66.1	6.8	0.0	10.8	Heavy	100 Heavy
09/16	65.7	53.5	0.0	0.0	6.5	Heavy	90 Heavy
09/17	64.8	53.0	0.0	0.0	7.0		80 Heavy
09/18	69.6	56.9	0.0	0.0	8.0		70 Heavy
09/19	70.6	55.7	0.5	0.0	11.8		60 Heavy
09/20	68.6	60.2	0.0	0.0	16.3	Heavy	50 Medium
09/21	60.8	58.4	0.0	0.0	4.0	Heavy	40 Medium

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-09-01 To 2011-09-21

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	66.1	12.5	0.48	50.3	60.4	450 High	362 High
09/09	70.6	11.0	0.00	0.0	0.0	0	0
09/10	69.4	7.0	0.00	0.0	0.0	0	0
09/11	65.2	10.5	0.00	0.0	0.0	0	0
09/12	70.8	11.5	0.00	0.0	0.0	0	0
09/13	71.7	11.3	0.00	0.0	0.0	0	0
09/14	73.2	13.5	0.00	0.0	0.0	0	0
09/15	66.1	11.0	0.01	0.8	54.7	1 Light	3 Light
09/16	53.5	7.8	0.00	0.0	0.0	0	0
09/17	53.0	7.3	0.00	0.0	0.0	0	0
09/18	56.9	9.3	0.00	0.0	0.0	0	0
09/19	55.7	12.0	0.00	0.0	0.0	0	0
09/20	60.2	17.0	0.06	1.3	63.4	2 Light	8 Light
09/21	58.4	4.0	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