

Hamden Black Rot - Grape From 2012-09-01 To 2012-09-19

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	88.5	64.5	5.5	0.46	
09/02	83.0	61.3	12.3	1.25	Infection Risk
09/03	79.3	58.9	7.3	2.02	Infection Risk
09/04	79.6	66.6	8.0	1.32	Infection Risk
09/05	83.3	65.8	13.8	3.52	Infection Risk
09/06	81.1	65.4	12.8	4.82	Infection Risk
09/07	86.9	65.4	10.8	2.04	Infection Risk
09/08	80.5	65.0	12.3	2.60	Infection Risk
09/09	77.8	59.8	10.8	3.63	Infection Risk
09/10	71.9	52.9		0.00	
09/11	73.9	47.8	5.0	0.29	
09/12	79.2	46.4	8.3	0.45	
09/13	80.9	52.5	12.8	0.99	
09/14	81.3	54.7	11.3	1.32	Infection Risk
09/15	71.7	50.9	10.3	1.17	Infection Risk
09/16	73.1	45.5	7.5	0.35	
09/17	78.0	44.5	8.0	0.44	
09/18	75.0	53.8	19.0	2.97	Infection Risk
09/19	67.1	58.2	5.5	3.80	Infection Risk

Hamden Botrytis - Grape From 2012-09-01 To 2012-09-19

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/01	88.5	64.5	5.5	0.5	0.00	
09/02	83.0	61.3	12.3	6.0	0.44	Low Infection Risk
09/03	79.3	58.9	7.3	7.3	0.00	
09/04	79.6	66.6	8.0	13.0	0.53	Moderate Infection Risk
09/05	83.3	65.8	13.8	13.3	0.85	Moderate Infection Risk
09/06	81.1	65.4	12.8	12.3	0.55	Moderate Infection Risk
09/07	86.9	65.4	10.8	9.8	0.23	Low Infection Risk
09/08	80.5	65.0	12.3	12.5	0.39	Low Infection Risk
09/09	77.8	59.8	10.8	8.5	0.00	
09/10	71.9	52.9			0.00	
09/11	73.9	47.8	5.0	1.5	0.00	
09/12	79.2	46.4	12.3	9.3	0.00	
09/13	80.9	52.5	12.8	10.8	0.00	
09/14	81.3	54.7	11.3	10.5	0.00	
09/15	71.7	50.9	10.3	6.5	0.00	
09/16	73.1	45.5	9.5	4.0	0.00	
09/17	78.0	44.5	12.5	9.3	0.00	
09/18	75.0	53.8	19.0	11.8	1.69	High Infection Risk
09/19	67.1	58.2	5.5	4.5	0.00	

Hamden Downy Mildew - Grape From 2012-09-01 To 2012-09-19

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	88.5	0.0		5.5	0.0	0.0	0	Primary Infection
09/02	83.0	>min	0.14	12.3	5.0	3.0	3	High Risk of Infection
09/03	79.3	>min	0.01	7.3	7.3	0.0	1	Possible Infection
09/04	79.6	>min	0.22	8.0	11.3	11.3	3	High Risk of Infection
09/05	83.3	>min	0.45	13.8	12.3	11.8	3	High Risk of Infection
09/06	81.1	>min		12.8	10.0	8.0	3	High Risk of Infection
09/07	86.9	>min		10.8	9.5	8.5	3	High Risk of Infection
09/08	80.5	>min	0.42	12.3	11.0	7.8	3	High Risk of Infection
09/09	77.8	>min	0.05	10.8	7.3	0.0	1	Possible Infection
09/10	71.9	>min			0.0	0.0	0	
09/11	73.9	>min		5.0	1.0	0.0	1	Possible Infection
09/12	79.2	>min		12.3	8.8	0.0	1	Possible Infection
09/13	80.9	>min		12.8	10.0	0.0	1	Possible Infection
09/14	81.3	>min		11.3	10.0	0.0	1	Possible Infection
09/15	71.7	>min		10.3	6.3	0.0	1	Possible Infection
09/16	73.1	>min		9.5	3.3	0.0	1	Possible Infection
09/17	78.0	>min		12.5	8.3	0.0	1	Possible Infection
09/18	75.0	>min	0.49	19.0	9.8	2.5	3	High Risk of Infection
09/19	67.1	>min	0.10	5.5	4.3	4.3	3	High Risk of Infection

Hamden Powdery Mildew - Grape From 2012-09-01 To 2012-09-19

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	88.5	75.9	14.8	0.0	3.5		
09/02	83.0	70.2	10.5	0.0	10.8		
09/03	79.3	68.4	8.8	0.0	7.3	Heavy	60 Heavy
09/04	79.6	72.2	14.8	0.0	7.8		80 Heavy
09/05	83.3	75.2	19.8	0.0	13.5		100 Heavy
09/06	81.1	71.0	11.8	0.0	12.8	Heavy	100 Heavy
09/07	86.9	75.0	13.5	0.0	10.8		100 Heavy
09/08	80.5	73.4	16.3	0.0	12.3	Heavy	100 Heavy
09/09	77.8	66.7	7.3	0.0	10.8	Heavy	100 Heavy
09/10	71.9	61.9	2.0	0.0	0.0		90 Heavy
09/11	73.9	58.8	5.0	0.0	5.0		80 Heavy
09/12	79.2	62.1	8.3	0.0	12.3		100 Heavy
09/13	80.9	66.0	9.5	0.0	12.5		100 Heavy
09/14	81.3	67.2	9.5	0.0	11.3		100 Heavy
09/15	71.7	62.8	4.0	0.0	10.3		90 Heavy
09/16	73.1	59.5	3.8	0.0	9.5		80 Heavy
09/17	78.0	60.7	7.5	0.0	12.5		100 Heavy
09/18	75.0	66.9	12.0	0.0	18.5	Heavy	100 Heavy
09/19	67.1	62.6	0.0	0.0	5.5	Heavy	90 Heavy

Hamden Phomopsis Cane+Leaf Spot - Grape From 2012-09-01 To 2012-09-19

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Intensity Seyval
09/01	75.9	8.3	0.00	0.0	0.0	0	0
09/02	70.2	14.0	0.14	1.0	71.0	1 Light	7 Light
09/03	68.4	7.3	0.01	0.3	61.6	0 Light	2 Light
09/04	72.2	8.8	0.22	5.5	67.2	19 Light	40 Moderate
09/05	75.2	14.0	0.45	22.0	75.1	98 High	149 High
09/06	71.0	12.8	0.00	0.0	0.0	0	0
09/07	75.0	11.0	0.00	0.0	0.0	0	0
09/08	73.4	12.8	0.42	5.0	66.1	17 Light	36 Moderate
09/09	66.7	10.8	0.05	13.8	63.5	73 Moderate	101 High
09/10	61.9	0.0	0.00	0.0	0.0	0	0
09/11	58.8	5.0	0.00	0.0	0.0	0	0
09/12	62.1	12.3	0.00	0.0	0.0	0	0
09/13	66.0	12.8	0.00	0.0	0.0	0	0
09/14	67.2	11.3	0.00	0.0	0.0	0	0
09/15	62.8	10.8	0.00	0.0	0.0	0	0
09/16	59.5	9.5	0.00	0.0	0.0	0	0
09/17	60.7	13.0	0.00	0.0	0.0	0	0
09/18	66.9	19.5	0.49	18.5	70.4	98 High	139 High
09/19	62.6	6.0	0.10	15.8	68.3	84 Moderate	120 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