

Hamden Black Rot - Grape From 2012-07-01 To 2012-07-18

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/01	92.0	68.2	5.3	0.68	
07/02	86.7	64.0	2.8	0.85	
07/03	88.3	58.4	6.3	0.96	
07/04	90.1	69.3	13.3	1.40	Infection Risk
07/05	88.3	66.9	7.5	1.75	Infection Risk
07/06	90.4	63.4	6.3	1.28	Infection Risk
07/07	90.1	67.4	6.0	1.01	Infection Risk
07/08	91.3	66.2	2.3	1.38	Infection Risk
07/09	86.4	64.7	1.8	0.28	
07/10	86.4	61.8	2.8	0.68	
07/11	85.9	61.6	8.3	0.96	
07/12	88.9	61.6	8.0	1.26	Infection Risk
07/13	88.5	63.4	7.0	1.19	Infection Risk
07/14	92.3	69.2	3.0	0.56	
07/15	85.2	64.9	11.8	1.28	Infection Risk
07/16	90.3	70.0	10.5	2.46	Infection Risk
07/17	93.9	72.3	1.8	0.91	
07/18	87.1	73.2	2.3	0.37	

Hamden Downy Mildew - Grape From 2012-07-01 To 2012-07-18

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/01	92.0	0.0		5.3	1.3	1.3	1	Primary Infection
07/02	86.7	>min		2.8	0.0	0.0	0	
07/03	88.3	>min		6.3	1.3	0.0	1	Possible Infection
07/04	90.1	>min	0.11	13.3	7.8	7.8	3	High Risk of Infection
07/05	88.3	>min	0.01	7.5	3.5	3.5	3	High Risk of Infection
07/06	90.4	>min		6.3	1.3	0.0	1	Possible Infection
07/07	90.1	>min		6.0	2.5	2.5	3	High Risk of Infection
07/08	91.3	>min		2.3	0.0	0.0	0	
07/09	86.4	>min		1.8	0.0	0.0	0	
07/10	86.4	>min		2.8	0.0	0.0	0	
07/11	85.9	>min		8.3	2.3	0.0	1	Possible Infection
07/12	88.9	>min		8.0	6.5	0.5	3	High Risk of Infection
07/13	88.5	>min		7.0	3.0	0.3	1	Possible Infection
07/14	92.3	>min	0.02	3.0	0.0	0.0	0	
07/15	85.2	>min	0.38	11.8	5.0	5.0	3	High Risk of Infection
07/16	90.3	>min	0.08	10.5	7.5	7.5	3	High Risk of Infection
07/17	93.9	>min		1.8	0.5	0.5	3	High Risk of Infection
07/18	87.1	>min		2.3	0.0	0.0	0	

Hamden Powdery Mildew - Grape From 2012-07-01 To 2012-07-18

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
07/01	92.0	79.5	12.5	0.0	5.3		
07/02	86.7	75.5	7.8	0.0	2.5		
07/03	88.3	74.6	12.8	0.0	6.3		60 Heavy
07/04	90.1	77.3	11.8	0.0	13.3		80 Heavy
07/05	88.3	79.4	11.0	0.0	6.8		100 Heavy
07/06	90.4	77.0	6.0	0.0	6.3		100 Heavy
07/07	90.1	78.2	18.3	0.0	5.3		100 Heavy
07/08	91.3	79.8	5.0	0.0	2.0		90 Heavy
07/09	86.4	74.6	20.0	0.0	1.8		100 Heavy
07/10	86.4	73.6	6.3	0.0	2.8		100 Heavy
07/11	85.9	74.5	15.0	0.0	8.3		100 Heavy
07/12	88.9	75.7	5.5	0.0	7.8		90 Heavy
07/13	88.5	75.8	12.3	0.0	6.8		100 Heavy
07/14	92.3	79.4	6.0	0.0	2.5		100 Heavy
07/15	85.2	75.2	18.5	0.0	11.8		100 Heavy
07/16	90.3	79.1	11.8	0.0	10.5	Heavy	100 Heavy
07/17	93.9	82.8	14.8	0.0	1.8		100 Heavy
07/18	87.1	78.6	12.0	0.0	2.0		100 Heavy

Hamden Phomopsis Cane+Leaf Spot - Grape From 2012-07-01 To 2012-07-18

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/01	79.5	5.8	0.00	0.0	0.0	0	0
07/02	75.5	3.8	0.00	0.0	0.0	0	0
07/03	74.6	7.5	0.00	0.0	0.0	0	0
07/04	77.3	13.8	0.11	11.5	72.1	46 Moderate	82 Moderate
07/05	79.4	8.5	0.01	11.0	73.9	39 Moderate	75 Moderate
07/06	77.0	6.8	0.00	0.0	0.0	0	0
07/07	78.2	6.8	0.00	0.0	0.0	0	0
07/08	79.8	3.3	0.00	0.0	0.0	0	0
07/09	74.6	2.0	0.00	0.0	0.0	0	0
07/10	73.6	3.3	0.00	0.0	0.0	0	0
07/11	74.5	8.5	0.00	0.0	0.0	0	0
07/12	75.7	8.8	0.00	0.0	0.0	0	0
07/13	75.8	8.3	0.00	0.0	0.0	0	0
07/14	79.4	5.8	0.02	1.0	72.4	1 Light	6 Light
07/15	75.2	12.8	0.38	6.8	73.0	21 Light	46 Moderate
07/16	79.1	12.5	0.08	15.0	72.5	66 Moderate	108 High
07/17	82.8	2.0	0.00	0.0	0.0	0	0
07/18	78.6	3.0	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