

Hamden 2011 Black Rot - Grape From 2011-05-01 To 2011-05-27

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	68.7	41.8		0.00	
05/02	63.3	36.4		0.00	
05/03	73.7	45.2	5.3	0.20	
05/04	63.4	46.7	14.8	1.15	Infection Risk
05/05	62.9	38.2		0.00	
05/06	68.6	34.7		0.00	
05/07	71.3	44.3	3.5	0.19	
05/08	70.5	46.5		0.19	
05/09	71.0	51.6	1.0	0.05	
05/10	70.2	49.5		0.00	
05/11	66.4	51.1	1.5	0.09	
05/12	70.5	47.0	3.0	0.12	
05/13	69.9	42.4		0.10	
05/14	64.7	53.5	0.5	0.03	
05/15	64.6	52.7	19.5	1.93	Infection Risk
05/16	61.6	50.0	23.8	3.44	Infection Risk
05/17	59.2	49.2	21.3	4.68	Infection Risk
05/18	69.8	52.9	20.0	6.59	Infection Risk
05/19	70.0	56.6	15.0	7.54	Infection Risk
05/20	73.6	52.8	12.8	1.35	Infection Risk
05/21	72.6	52.6	12.8	0.83	
05/22	62.5	52.3	8.8	1.13	Infection Risk
05/23	62.4	50.9	21.0	1.73	Infection Risk
05/24	80.8	60.6	12.5	2.84	Infection Risk
05/25	80.7	58.9	6.5	1.09	Infection Risk
05/26	78.2	55.1	12.5	0.93	
05/27	79.3	62.2	6.8	1.64	Infection Risk

Hamden 2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-27

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	68.7	0.0		1.0	0.0	0.0	0	Primary Infection
05/02	63.3	>min			0.3	0.0	0	
05/03	73.7	>min		9.3	0.5	0.0	1	Possible Infection
05/04	63.4	>min	0.41	15.0	7.3	0.0	1	Possible Infection
05/05	62.9	>min			0.0	0.0	0	
05/06	68.6	>min			0.0	0.0	0	
05/07	71.3	>min	0.02	7.5	4.0	0.0	1	Possible Infection
05/08	70.5	>min		0.3	0.0	0.0	0	
05/09	71.0	>min		1.0	0.0	0.0	0	
05/10	70.2	>min			0.0	0.0	0	
05/11	66.4	>min		1.5	0.0	0.0	0	
05/12	70.5	>min		3.5	0.0	0.0	0	
05/13	69.9	>min		5.8	5.5	0.0	1	Possible Infection
05/14	64.7	>min	0.09	0.5	0.0	0.0	0	
05/15	64.6	>min	0.60	19.5	23.3	0.0	1	Possible Infection
05/16	61.6	>min	0.04	23.8	24.0	0.0	1	Possible Infection
05/17	59.2	>min	0.85	21.3	24.0	0.0	1	Possible Infection
05/18	69.8	>min	2.50	20.0	21.8	0.0	1	Possible Infection
05/19	70.0	>min	0.31	15.0	18.0	0.0	1	Possible Infection
05/20	73.6	>min	0.01	12.8	12.8	0.0	1	Possible Infection
05/21	72.6	>min	0.01	12.8	13.5	0.0	1	Possible Infection
05/22	62.5	>min	0.16	8.8	9.8	0.0	1	Possible Infection
05/23	62.4	>min	0.62	21.0	23.5	0.0	1	Possible Infection
05/24	80.8	>min	0.01	12.5	12.8	1.0	3	High Risk of Infection
05/25	80.7	>min		6.5	0.0	0.0	0	
05/26	78.2	>min		12.5	14.0	1.5	3	High Risk of Infection
05/27	79.3	>min		6.8	7.8	0.3	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-27

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/01	68.7	54.0	0.0	0.0	2.3		
05/02	63.3	50.5	0.0	0.0	6.5		
05/03	73.7	58.4	2.8	0.0	9.3		
05/04	63.4	53.0	0.0	0.0	15.0	Heavy	
05/05	62.9	52.2	0.0	0.0	0.0		
05/06	68.6	54.6	0.0	0.0	0.3		
05/07	71.3	56.8	0.3	0.0	7.5		
05/08	70.5	59.1	0.8	0.0	0.3		
05/09	71.0	60.4	0.8	0.0	1.0		
05/10	70.2	60.1	0.3	0.0	0.0		
05/11	66.4	57.4	0.0	0.0	1.5		
05/12	70.5	58.4	0.5	0.0	3.5		
05/13	69.9	56.9	0.0	0.0	6.8		
05/14	64.7	58.1	0.0	0.0	0.5		
05/15	64.6	59.2	0.0	0.0	18.8	Heavy	
05/16	61.6	53.9	0.0	0.0	23.8	Heavy	
05/17	59.2	53.1	0.0	0.0	20.8	Heavy	
05/18	69.8	59.4	0.0	0.0	20.0	Heavy	
05/19	70.0	61.5	0.3	0.0	15.0	Heavy	
05/20	73.6	62.3	3.3	0.0	12.5		
05/21	72.6	60.7	1.5	0.0	12.8		
05/22	62.5	56.2	0.0	0.0	8.8		
05/23	62.4	56.3	0.0	0.0	21.0	Heavy	
05/24	80.8	68.2	8.8	0.0	12.5	Heavy	
05/25	80.7	69.5	11.3	0.0	5.5		
05/26	78.2	66.0	7.3	0.0	12.3		60 Heavy
05/27	79.3	66.2	2.0	0.0	6.8		50 Medium

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-27

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/01	54.0	2.3	0.00	0.0	0.0	0	0
05/02	50.5	0.3	0.00	0.0	0.0	0	0
05/03	58.4	9.5	0.00	0.0	0.0	0	0
05/04	53.0	15.8	0.41	8.3	51.5	19 Light	31 Moderate
05/05	52.2	0.0	0.00	0.0	0.0	0	0
05/06	54.6	0.0	0.00	0.0	0.0	0	0
05/07	56.8	8.0	0.02	0.5	59.0	1 Light	3 Light
05/08	59.1	0.3	0.00	0.0	0.0	0	0
05/09	60.4	1.8	0.00	0.0	0.0	0	0
05/10	60.1	0.0	0.00	0.0	0.0	0	0
05/11	57.4	2.0	0.00	0.0	0.0	0	0
05/12	58.4	3.5	0.00	0.0	0.0	0	0
05/13	56.9	6.8	0.00	0.0	0.0	0	0
05/14	58.1	0.8	0.09	0.3	53.5	0 Light	1 Light
05/15	59.2	22.8	0.60	38.0	56.5	261 High	228 High
05/16	53.9	24.0	0.04	13.0	53.4	45 Moderate	60 Moderate
05/17	53.1	22.0	0.85	84.3	52.4	600 High	387 High
05/18	59.4	21.5	2.50	52.3	54.7	369 High	284 High
05/19	61.5	15.8	0.31	18.8	59.5	107 High	126 High
05/20	62.3	13.0	0.01	0.0	0.0	0	0
05/21	60.7	13.3	0.01	4.8	59.5	15 Light	30 Moderate
05/22	56.2	9.0	0.16	13.5	56.7	60 Moderate	79 Moderate
05/23	56.3	21.0	0.62	19.3	56.2	97 High	111 High
05/24	68.2	13.0	0.01	19.8	61.0	120 High	139 High
05/25	69.5	7.0	0.00	0.0	0.0	0	0
05/26	66.0	13.0	0.00	0.0	0.0	0	0
05/27	66.2	7.0	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