

Hamden 2011 Black Rot - Grape From 2011-05-01 To 2011-05-19

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	58.8	56.6	8.0	7.28	Infection Risk

Hamden 2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-19

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	58.8	>min	0.07	8.0	8.0	0.0	1	Possible Infection

Hamden 2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-19

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	58.8	57.7	0.0	0.0	8.0	Heavy	

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-19

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	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	57.7	8.0	0.07	16.5	59.6	90 Moderate	110 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