

Hamden 2011 Black Rot - Grape From 2011-05-29 To 2011-06-10

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/29	82.1	66.0	10.5	1.20	Infection Risk
05/30	87.6	63.4	13.8	2.29	Infection Risk
05/31	86.1	64.9	7.0	1.40	Infection Risk
06/01	82.9	61.5	11.0	1.21	Infection Risk
06/02	74.8	52.6	6.3	1.36	Infection Risk
06/03	73.3	51.9		0.00	
06/04	79.6	49.2	2.0	0.10	
06/05	71.7	45.8	2.3	0.19	
06/06	83.1	57.7	4.3	0.46	
06/07	90.6	56.7	6.8	1.03	Infection Risk
06/08	93.2	64.1	6.8	0.99	
06/09	88.9	64.9	13.5	1.21	Infection Risk
06/10	66.2	63.9	4.0	1.73	Infection Risk

Hamden 2011 Downy Mildew - Grape From 2011-05-29 To 2011-06-10

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/29	82.1	0.0		10.5	8.0	8.0	1	Primary Infection
05/30	87.6	>min	0.34	13.8	11.5	5.3	3	High Risk of Infection
05/31	86.1	>min		7.0	1.3	0.3	1	Possible Infection
06/01	82.9	>min		11.0	7.0	3.0	3	High Risk of Infection
06/02	74.8	>min		6.3	0.3	0.0	0	
06/03	73.3	>min			0.0	0.0	0	
06/04	79.6	>min		2.0	0.0	0.0	0	
06/05	71.7	>min		6.5	4.8	0.0	1	Possible Infection
06/06	83.1	>min		4.3	0.0	0.0	0	
06/07	90.6	>min		6.8	6.0	0.0	1	Possible Infection
06/08	93.2	>min	0.02	6.8	1.3	0.0	1	Possible Infection
06/09	88.9	>min	0.87	13.5	10.5	7.3	3	High Risk of Infection
06/10	66.2	>min		4.0	4.0	0.3	1	Possible Infection

Hamden2011 Powdery Mildew - Grape From 2011-05-29 To 2011-06-10

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/29	82.1	72.3	13.3	0.0	10.3		
05/30	87.6	73.4	4.3	0.0	13.8	Heavy	
05/31	86.1	74.3	13.3	0.0	7.0		
06/01	82.9	72.1	13.8	0.0	11.0		
06/02	74.8	65.2	9.0	0.0	6.3		60 Heavy
06/03	73.3	62.7	5.3	0.0	0.0		50 Medium
06/04	79.6	63.9	8.5	0.0	2.0		70 Heavy
06/05	71.7	59.8	1.8	0.0	6.5		60 Heavy
06/06	83.1	69.0	11.8	0.0	4.3		80 Heavy
06/07	90.6	74.6	5.3	0.0	6.8		70 Heavy
06/08	93.2	79.4	3.3	0.0	6.5		60 Heavy
06/09	88.9	73.6	4.0	0.0	13.3		50 Medium
06/10	66.2	64.9	0.0	0.0	4.0		40 Medium

Hamden 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-29 To 2011-06-10

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
05/29	72.3	10.8	0.00	0.0	0.0	0	0
05/30	73.4	13.8	0.34	3.3	69.8	8 Light	23 Light
05/31	74.3	7.8	0.00	0.0	0.0	0	0
06/01	72.1	11.0	0.00	0.0	0.0	0	0
06/02	65.2	6.3	0.00	0.0	0.0	0	0
06/03	62.7	0.0	0.00	0.0	0.0	0	0
06/04	63.9	2.0	0.00	0.0	0.0	0	0
06/05	59.8	6.5	0.00	0.0	0.0	0	0
06/06	69.0	4.8	0.00	0.0	0.0	0	0
06/07	74.6	6.8	0.00	0.0	0.0	0	0
06/08	79.4	7.8	0.02	0.3	76.4	0 Light	1 Light
06/09	73.6	13.5	0.87	12.0	66.6	59 Moderate	91 High
06/10	64.9	4.0	0.00	11.3	65.7	54 Moderate	84 Moderate

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