

Griswold 2011 Black Rot - Grape From 2011-05-01 To 2011-05-13

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	69.4	34.2	0.5	0.02	
05/02	65.1	33.5	0.3	0.01	
05/03	73.9	45.1	2.3	0.15	
05/04	63.1	45.8	14.5	1.15	Infection Risk
05/05	60.9	36.1	0.8	1.19	Infection Risk
05/06	67.7	33.4	1.0	1.21	Infection Risk
05/07	73.8	47.8	11.8	0.28	
05/08	69.0	44.4	7.8	0.69	
05/09	70.9	45.9	4.5	0.90	
05/10	62.1	45.7		0.00	
05/11	62.2	48.1	3.3	0.10	
05/12	66.7	42.0	3.5	0.13	
05/13	60.6	38.8	1.0	0.13	

Griswold 2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-13

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	69.4	0.0		0.8	0.3	0.0	0	Primary Infection
05/02	65.1	>min		0.8	0.5	0.0	1	Possible Infection
05/03	73.9	>min		5.8	0.0	0.0	0	
05/04	63.1	>min	0.30	17.8	12.8	0.0	1	Possible Infection
05/05	60.9	>min		6.5	0.0	0.0	0	
05/06	67.7	>min		1.0	0.0	0.0	0	
05/07	73.8	>min	0.21	12.5	3.0	0.0	1	Possible Infection
05/08	69.0	>min	0.01	12.0	7.8	0.0	1	Possible Infection
05/09	70.9	>min		7.0	3.3	0.0	1	Possible Infection
05/10	62.1	>min		1.3	0.0	0.0	0	
05/11	62.2	>min		3.3	0.0	0.0	0	
05/12	66.7	>min		9.3	0.0	0.0	0	
05/13	60.6	>min		2.5	1.3	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-13

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
05/01	69.4	49.4	0.0	0.0	10.8		
05/02	65.1	50.7	0.0	0.0	8.3		
05/03	73.9	58.6	3.3	0.0	5.5		
05/04	63.1	54.9	0.0	0.0	17.8	Heavy	
05/05	60.9	49.7	0.0	0.0	10.5	Heavy	
05/06	67.7	53.1	0.0	0.0	7.8		
05/07	73.8	57.6	3.5	0.0	12.5		

05/08	69.0	56.4	0.0	0.0	12.0	
05/09	70.9	59.2	1.0	0.0	6.0	Heavy
05/10	62.1	55.4	0.0	0.0	1.0	
05/11	62.2	54.6	0.0	0.0	2.5	
05/12	66.7	54.7	0.0	0.0	10.5	
05/13	60.6	44.4	0.0	0.0	8.0	

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-13

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
05/01	49.4	1.8	0.00	0.0	0.0	0	0
05/02	50.7	1.3	0.00	0.0	0.0	0	0
05/03	58.6	7.0	0.00	0.0	0.0	0	0
05/04	54.9	17.8	0.30	9.8	50.6	22 Light	34 Moderate
05/05	49.7	9.3	0.00	17.8	47.9	33 Moderate	42 Moderate
05/06	53.1	1.8	0.00	0.0	0.0	0	0
05/07	57.6	12.5	0.21	5.5	51.4	11 Light	20 Light
05/08	56.4	12.0	0.01	14.3	49.7	33 Moderate	44 Moderate
05/09	59.2	7.0	0.00	0.0	0.0	0	0
05/10	55.4	1.8	0.00	0.0	0.0	0	0
05/11	54.6	4.5	0.00	0.0	0.0	0	0
05/12	54.7	11.0	0.00	0.0	0.0	0	0
05/13	44.4	4.3	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