

Griswold 2011 Black Rot - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/22	65.8	49.7	1.5	0.10	
05/23	64.1	48.3	19.0	1.57	Infection Risk
05/24	75.7	62.3	13.3	2.72	Infection Risk
05/25	82.9	55.4	11.0	1.46	Infection Risk
05/26	75.5	51.3	13.3	0.89	
05/27	87.6	61.7	11.3	1.66	Infection Risk
05/28	78.6	64.5	11.5	1.73	Infection Risk
05/29	79.2	64.3	12.5	2.01	Infection Risk
05/30	86.6	66.7	12.0	1.98	Infection Risk
05/31	87.9	59.8	9.8	1.80	Infection Risk
06/01	78.8	59.2	10.8	1.12	Infection Risk
06/02	77.1	55.7	7.5	1.53	Infection Risk
06/03	73.1	45.5	1.5	0.03	
06/04	78.4	40.2	3.5	0.13	
06/05	71.2	39.9	1.8	0.18	
06/06	79.0	53.1	7.0	0.58	

Griswold 2011 Downy Mildew - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/22	65.8	0.0		1.5	0.0	0.0	0	Primary Infection
05/23	64.1	>min	0.06	19.0	19.0	0.0	1	Possible Infection
05/24	75.7	>min	0.42	13.3	15.0	0.5	3	High Risk of Infection
05/25	82.9	>min	0.01	11.0	7.8	0.0	1	Possible Infection
05/26	75.5	>min		13.3	17.8	3.3	3	High Risk of Infection
05/27	87.6	>min		11.3	10.0	0.3	1	Possible Infection
05/28	78.6	>min		11.5	11.5	5.3	3	High Risk of Infection
05/29	79.2	>min		12.5	10.0	3.8	3	High Risk of Infection
05/30	86.6	>min		12.0	9.8	9.8	3	High Risk of Infection
05/31	87.9	>min		9.8	6.5	1.5	3	High Risk of Infection
06/01	78.8	>min		10.8	6.5	0.3	1	Possible Infection
06/02	77.1	>min		7.5	6.8	0.8	3	High Risk of Infection
06/03	73.1	>min		2.5	0.0	0.0	0	
06/04	78.4	>min		6.3	0.8	0.0	1	Possible Infection
06/05	71.2	>min		4.5	1.0	0.0	1	Possible Infection
06/06	79.0	>min		7.0	1.5	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-05-22 To 2011-06-06

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
05/22	65.8	55.8	0.0	0.0	1.3		
05/23	64.1	55.5	0.0	0.0	18.8	Heavy	
05/24	75.7	66.7	7.8	0.0	13.0	Heavy	
05/25	82.9	67.4	10.3	0.0	11.0		
05/26	75.5	63.1	4.3	0.0	13.0		
05/27	87.6	71.3	5.3	0.0	11.0		
05/28	78.6	69.6	10.8	0.0	11.5		
05/29	79.2	70.7	10.5	0.0	12.3	Heavy	
05/30	86.6	74.2	8.5	0.0	11.8		60 Heavy
05/31	87.9	72.8	5.0	0.0	9.8		50 Medium
06/01	78.8	68.5	9.5	0.0	10.3		70 Heavy
06/02	77.1	65.2	7.5	0.0	7.5		90 Heavy
06/03	73.1	60.1	5.0	0.0	2.3		80 Heavy
06/04	78.4	58.3	6.3	0.0	10.8		100 Heavy
06/05	71.2	57.4	1.3	0.0	8.3		90 Heavy
06/06	79.0	63.6	4.3	0.0	7.0		80 Heavy

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-22 To 2011-06-06

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/22	55.8	4.0	0.00	0.0	0.0	0	0
05/23	55.5	20.0	0.06	19.8	55.6	97 High	110 High
05/24	66.7	14.3	0.42	26.3	59.9	175 High	181 High
05/25	67.4	11.0	0.01	9.3	60.3	40 Moderate	62 Moderate
05/26	63.1	14.5	0.00	0.0	0.0	0	0
05/27	71.3	11.3	0.00	0.0	0.0	0	0
05/28	69.6	12.0	0.00	0.0	0.0	0	0
05/29	70.7	13.0	0.00	0.0	0.0	0	0
05/30	74.2	12.8	0.00	0.0	0.0	0	0
05/31	72.8	10.5	0.00	0.0	0.0	0	0
06/01	68.5	12.0	0.00	0.0	0.0	0	0
06/02	65.2	7.8	0.00	0.0	0.0	0	0
06/03	60.1	3.0	0.00	0.0	0.0	0	0
06/04	58.3	10.5	0.00	0.0	0.0	0	0
06/05	57.4	6.5	0.00	0.0	0.0	0	0
06/06	63.6	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