

Griswold 2010 Black Rot - Grape From 2010-05-06 To 2010-05-26

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/06	79.8	54.8	1.0	0.08	
05/07	73.3	46.7	0.8	0.03	
05/08	72.9	48.2	9.8	0.71	
05/09	55.2	41.4		0.00	
05/10	59.1	34.4		0.00	
05/11	58.3	28.1		0.00	
05/12	49.3	36.7		0.00	
05/13	67.8	35.6	0.3	0.01	
05/14	73.7	47.3	9.3	0.32	
05/15	71.9	52.7	4.0	0.69	
05/16	74.6	43.4	1.8	0.07	
05/17	78.4	36.1		0.00	
05/18	57.5	46.2	11.8	0.53	
05/19	60.3	47.8	12.5	0.87	
05/20	78.6	50.9	11.8	0.75	
05/21	85.0	49.7	8.0	0.80	
05/22	76.5	51.1	5.5	0.29	
05/23	77.8	58.7	11.8	1.04	Infection Risk
05/24	80.0	53.9	12.0	1.32	Infection Risk
05/25	86.5	53.3	7.5	1.00	
05/26	84.5	57.5	6.0	0.60	

Griswold 2010 Downy Mildew - Grape From 2010-05-06 To 2010-05-26

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/06	79.8	0.0		1.0	0.0	0.0	0	Primary Infection
05/07	73.3	>min		1.3	0.0	0.0	0	
05/08	72.9	>min	0.75	9.8	5.5	0.0	1	Possible Infection
05/09	55.2	>min			0.0	0.0	0	
05/10	59.1	>min			0.0	0.0	0	
05/11	58.3	>min			0.0	0.0	0	
05/12	49.3	>min	0.16	5.0	0.0	0.0	0	
05/13	67.8	>min		1.0	0.3	0.0	0	
05/14	73.7	>min	0.19	11.3	1.3	0.0	1	Possible Infection
05/15	71.9	>min		4.0	1.3	0.0	1	Possible Infection
05/16	74.6	>min		5.5	0.0	0.0	0	
05/17	78.4	>min		0.3	0.0	0.0	0	
05/18	57.5	>min	1.36	18.3	6.0	0.0	1	Possible Infection
05/19	60.3	>min	0.02	13.0	10.3	0.0	1	Possible Infection
05/20	78.6	>min		11.8	8.5	0.0	1	Possible Infection
05/21	85.0	>min		8.0	6.8	0.0	1	Possible Infection
05/22	76.5	>min		5.5	1.3	0.0	1	Possible Infection
05/23	77.8	>min		11.8	9.3	0.0	1	Possible Infection
05/24	80.0	>min		12.0	8.3	0.0	1	Possible Infection
05/25	86.5	>min		7.5	7.0	0.0	1	Possible Infection
05/26	84.5	>min		6.0	2.0	0.0	1	Possible Infection

Griswold 2010 Powdery Mildew - Grape From 2010-05-06 To 2010-05-26

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
05/06	79.8	64.9	6.3	0.0	1.0		
05/07	73.3	59.2	4.3	0.0	1.3		
05/08	72.9	58.2	2.0	0.0	9.5		
05/09	55.2	46.9	0.0	0.0	0.0		
05/10	59.1	47.3	0.0	0.0	0.5		
05/11	58.3	44.4	0.0	0.0	7.5		
05/12	49.3	45.3	0.0	0.0	8.8		
05/13	67.8	52.7	0.0	0.0	8.0		
05/14	73.7	57.2	1.0	0.0	11.3		
05/15	71.9	62.9	3.3	0.0	4.0		
05/16	74.6	58.7	6.3	0.0	5.5		
05/17	78.4	57.0	6.5	0.0	6.5		
05/18	57.5	50.4	0.0	0.0	18.3		
05/19	60.3	53.8	0.0	0.0	13.0	Heavy	
05/20	78.6	63.1	8.3	0.0	11.5		
05/21	85.0	65.2	9.3	0.0	8.0		
05/22	76.5	62.7	7.3	0.0	5.3		60 Heavy
05/23	77.8	65.4	7.8	0.0	11.5		80 Heavy
05/24	80.0	67.4	11.3	0.0	11.8		100 Heavy
05/25	86.5	69.2	10.3	0.0	7.5		100 Heavy
05/26	84.5	65.1	2.8	0.0	6.0		90 Heavy

Leaf Wetness Sensor Parameters:

Base Temperature           0.0  
 Upper Temperature       100.0  
 Wetness Threshold        6.0

Griswold 2010 Phomopsis Cane+Leaf Spot - Grape From 2010-05-06 To 2010-05-26

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Intensity Seyval
05/06	64.9	2.0	0.00	0.0	0.0	0	0
05/07	59.2	1.3	0.00	0.0	0.0	0	0
05/08	58.2	9.8	0.75	8.0	55.9	27 Light	44 Moderate
05/09	46.9	0.0	0.00	0.0	0.0	0	0
05/10	47.3	0.0	0.00	0.0	0.0	0	0
05/11	44.4	0.3	0.00	0.0	0.0	0	0
05/12	45.3	7.0	0.16	5.0	43.8	1 Light	3 Light
05/13	52.7	1.5	0.00	0.0	0.0	0	0
05/14	57.2	11.5	0.19	7.3	49.2	12 Light	21 Light
05/15	62.9	4.5	0.00	0.0	0.0	0	0
05/16	58.7	5.8	0.00	0.0	0.0	0	0
05/17	57.0	1.8	0.00	0.0	0.0	0	0
05/18	50.4	18.5	1.36	11.3	50.0	25 Light	36 Moderate
05/19	53.8	13.0	0.02	19.5	49.9	54 Moderate	64 Moderate
05/20	63.1	12.3	0.00	0.0	0.0	0	0
05/21	65.2	8.0	0.00	0.0	0.0	0	0
05/22	62.7	6.5	0.00	0.0	0.0	0	0
05/23	65.4	12.0	0.00	0.0	0.0	0	0
05/24	67.4	12.5	0.00	0.0	0.0	0	0
05/25	69.2	8.0	0.00	0.0	0.0	0	0
05/26	65.1	6.3	0.00	0.0	0.0	0	0

Leaf Wetness Sensor Parameters:

Base Temperature 41.0  
 Upper Temperature 95.9  
 Wetness Threshold 3.0

Wet+Rain is the number of rain-initiated leaf wetness hours  
 Wet Temp is the mean temperature during the rain-initiated wetness period