

Griswold 2011 Black Rot - Grape From 2011-07-05 To 2011-07-22

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/05	90.8	61.2	10.0	1.00	
07/06	89.1	58.1	10.0	1.09	Infection Risk
07/07	91.7	67.1	8.8	1.76	Infection Risk
07/08	81.3	67.3	16.8	3.13	Infection Risk
07/09	85.9	61.2	11.0	4.44	Infection Risk
07/10	82.3	54.2	10.8	1.06	Infection Risk
07/11	89.3	60.4	7.5	1.45	Infection Risk
07/12	91.9	71.8		0.00	
07/13	87.0	62.7	10.8	0.90	
07/14	79.3	59.3	5.3	1.28	Infection Risk
07/15	85.5	53.9	8.3	0.83	
07/16	89.1	58.6	10.0	1.04	Infection Risk
07/17	88.1	60.6	7.3	1.32	Infection Risk
07/18	86.6	70.2	4.8	0.73	
07/19	90.4	66.1	10.8	1.95	Infection Risk
07/20	88.0	61.3	11.0	1.66	Infection Risk
07/21	89.4	71.4	7.8	1.92	Infection Risk
07/22	89.2	74.4	5.5	0.84	

Griswold 2011 Downy Mildew - Grape From 2011-07-05 To 2011-07-22

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/05	90.8	0.0		10.0	6.8	0.3	1	Primary Infection
07/06	89.1	>min		10.0	5.8	0.0	1	Possible Infection
07/07	91.7	>min		8.8	6.8	6.8	3	High Risk of Infection
07/08	81.3	>min	1.09	16.8	11.3	11.3	3	High Risk of Infection
07/09	85.9	>min	0.36	11.0	8.8	7.5	3	High Risk of Infection
07/10	82.3	>min		10.8	8.0	0.0	1	Possible Infection
07/11	89.3	>min		7.5	7.8	1.3	3	High Risk of Infection
07/12	91.9	>min			0.0	0.0	0	
07/13	87.0	>min	0.27	10.8	3.3	1.0	3	High Risk of Infection
07/14	79.3	>min	0.01	5.3	0.0	0.0	0	
07/15	85.5	>min		8.3	6.8	0.0	1	Possible Infection
07/16	89.1	>min		10.0	7.8	0.5	3	High Risk of Infection
07/17	88.1	>min		7.3	7.3	0.3	1	Possible Infection
07/18	86.6	>min	0.06	4.8	1.0	1.0	3	High Risk of Infection
07/19	90.4	>min		10.8	9.0	9.0	3	High Risk of Infection
07/20	88.0	>min		11.0	7.5	0.3	1	Possible Infection
07/21	89.4	>min		7.8	0.5	0.5	3	High Risk of Infection
07/22	89.2	>min		5.5	1.5	1.5	3	High Risk of Infection

Griswold 2011 Powdery Mildew - Grape From 2011-07-05 To 2011-07-22

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial	
	High	Mean					Index	
07/05	90.8	75.0	3.3	0.0	9.8			
07/06	89.1	74.8	9.5	0.0	10.0			
07/07	91.7	77.5	11.3	0.0	8.8			
07/08	81.3	72.0	13.0	0.0	16.8	Heavy	60	Heavy
07/09	85.9	74.0	7.0	0.0	11.0	Heavy	80	Heavy
07/10	82.3	69.3	11.8	0.0	10.8		100	Heavy
07/11	89.3	75.8	10.3	0.0	7.3		100	Heavy
07/12	91.9	81.1	10.8	0.0	0.0		100	Heavy
07/13	87.0	74.7	13.5	0.0	10.5		100	Heavy
07/14	79.3	68.2	11.0	0.0	4.8		100	Heavy
07/15	85.5	70.0	11.3	0.0	8.3		100	Heavy
07/16	89.1	72.6	5.8	0.0	10.0		90	Heavy
07/17	88.1	75.5	10.3	0.0	7.3		100	Heavy
07/18	86.6	77.0	21.8	0.0	4.8		100	Heavy
07/19	90.4	77.9	4.3	0.0	10.5		90	Heavy
07/20	88.0	74.6	12.3	0.0	11.0		100	Heavy
07/21	89.4	79.6	18.0	0.0	7.5		100	Heavy
07/22	89.2	78.4	8.3	0.0	5.3		100	Heavy

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-05 To 2011-07-22

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/05	75.0	10.0	0.00	0.0	0.0	0	0
07/06	74.8	10.0	0.00	0.0	0.0	0	0
07/07	77.5	8.8	0.00	0.0	0.0	0	0
07/08	72.0	17.0	1.09	9.5	70.5	38 Moderate	70 Moderate
07/09	74.0	11.5	0.36	14.3	68.7	72 Moderate	108 High
07/10	69.3	10.8	0.00	0.0	0.0	0	0
07/11	75.8	7.5	0.00	0.0	0.0	0	0
07/12	81.1	0.8	0.00	0.0	0.0	0	0
07/13	74.7	10.8	0.27	5.5	67.9	19 Light	40 Moderate
07/14	68.2	8.8	0.01	18.0	65.6	107 High	137 High
07/15	70.0	8.3	0.00	0.0	0.0	0	0
07/16	72.6	10.3	0.00	0.0	0.0	0	0
07/17	75.5	7.3	0.00	0.0	0.0	0	0
07/18	77.0	6.0	0.06	2.5	79.7	3 Light	12 Light
07/19	77.9	11.3	0.00	0.0	0.0	0	0
07/20	74.6	11.5	0.00	0.0	0.0	0	0
07/21	79.6	8.8	0.00	0.0	0.0	0	0
07/22	78.4	6.3	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