

Griswold 2011 Black Rot - Grape From 2011-06-01 To 2011-06-24

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	78.8	59.2	10.8	0.84	
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	79.6	53.1	10.5	0.58	
06/07	90.1	50.5	10.3	0.78	
06/08	93.3	59.4	9.8	1.37	Infection Risk
06/09	87.3	63.9	15.5	1.90	Infection Risk
06/10	84.7	62.9	8.0	2.20	Infection Risk
06/11	63.3	54.6	17.5	1.75	Infection Risk
06/12	63.4	53.8	10.5	2.49	Infection Risk
06/13	71.7	54.9	6.8	0.49	
06/14	63.4	50.1	11.0	0.61	
06/15	79.8	48.2	9.5	0.55	
06/16	84.4	48.2	7.8	0.59	
06/17	68.1	58.5	15.8	2.09	Infection Risk
06/18	82.1	61.2	9.5	2.92	Infection Risk
06/19	79.8	54.7	11.0	1.28	Infection Risk
06/20	80.4	49.6	10.5	0.72	
06/21	85.1	52.0	11.0	0.77	
06/22	75.1	60.9	18.5	3.48	Infection Risk
06/23	70.3	61.3	17.3	5.98	Infection Risk
06/24	61.5	60.2	4.0	6.44	Infection Risk

Griswold 2011 Downy Mildew - Grape From 2011-06-01 To 2011-06-24

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours >95%RH	43-86	66-77	Risk	Warning
06/01	78.8	0.0		10.8	6.5	0.3	1	1	Primary Infection
06/02	77.1	>min		7.5	6.8	0.8	3	3	High Risk of Infection
06/03	73.1	>min		2.5	0.0	0.0	0	0	
06/04	78.4	>min		6.3	0.8	0.0	1	1	Possible Infection
06/05	71.2	>min		4.5	1.0	0.0	1	1	Possible Infection
06/06	79.6	>min		10.5	2.0	0.0	1	1	Possible Infection
06/07	90.1	>min		10.3	6.8	0.0	1	1	Possible Infection
06/08	93.3	>min	0.03	9.8	4.5	0.0	1	1	Possible Infection
06/09	87.3	>min	0.72	15.5	8.0	5.8	3	3	High Risk of Infection
06/10	84.7	>min		8.0	7.3	0.8	3	3	High Risk of Infection
06/11	63.3	>min	0.34	17.5	5.0	0.0	1	1	Possible Infection
06/12	63.4	>min	1.48	10.5	10.3	0.0	1	1	Possible Infection
06/13	71.7	>min	0.02	6.8	4.8	0.0	1	1	Possible Infection
06/14	63.4	>min	0.01	11.0	1.5	0.0	1	1	Possible Infection
06/15	79.8	>min		9.5	6.5	0.0	1	1	Possible Infection
06/16	84.4	>min		7.8	6.5	0.0	1	1	Possible Infection
06/17	68.1	>min	0.49	15.8	6.8	0.0	1	1	Possible Infection

06/18	82.1	>min		9.5	9.3	0.0	1	Possible Infection
06/19	79.8	>min		11.0	8.3	0.0	1	Possible Infection
06/20	80.4	>min		10.5	7.5	0.0	1	Possible Infection
06/21	85.1	>min		11.0	7.5	0.0	1	Possible Infection
06/22	75.1	>min	0.11	18.5	14.3	6.5	3	High Risk of Infection
06/23	70.3	>min	0.75	17.3	17.0	7.5	3	High Risk of Infection
06/24	61.5	>min		4.0	4.0	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-06-01 To 2011-06-24

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/01	78.8	68.5	9.5	0.0	10.3		
06/02	77.1	65.2	7.5	0.0	7.5		
06/03	73.1	60.1	5.0	0.0	2.3		
06/04	78.4	58.3	6.3	0.0	10.8		
06/05	71.2	57.4	1.3	0.0	8.3		
06/06	79.6	66.2	10.5	0.0	10.5		
06/07	90.1	71.2	3.5	0.0	10.0		
06/08	93.3	76.5	5.0	0.0	9.5		
06/09	87.3	72.7	6.0	0.0	15.5		
06/10	84.7	71.5	11.0	0.0	8.0	Heavy	
06/11	63.3	59.8	0.0	0.0	17.3	Heavy	
06/12	63.4	57.9	0.0	0.0	10.5	Heavy	
06/13	71.7	61.7	1.3	0.0	6.5		
06/14	63.4	58.2	0.0	0.0	11.0		
06/15	79.8	63.3	8.0	0.0	9.5		
06/16	84.4	67.9	12.0	0.0	7.8		
06/17	68.1	64.2	0.0	0.0	15.5	Heavy	
06/18	82.1	70.4	12.0	0.0	9.5	Heavy	
06/19	79.8	67.8	10.8	0.0	10.8		
06/20	80.4	64.9	9.8	0.0	10.5		60 Heavy
06/21	85.1	69.6	12.3	0.0	11.0		80 Heavy
06/22	75.1	68.2	9.0	0.0	17.8	Heavy	100 Heavy
06/23	70.3	65.7	1.0	0.0	17.3	Heavy	90 Heavy
06/24	61.5	60.9	0.0	0.0	4.0	Heavy	80 Heavy

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 06-01 To 06-24-2011

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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	66.2	10.5	0.00	0.0	0.0	0	0
06/07	71.2	10.3	0.00	0.0	0.0	0	0
06/08	76.5	10.3	0.03	1.3	72.8	2 Light	8 Light
06/09	72.7	15.5	0.72	16.8	67.6	93 High	128 High
06/10	71.5	8.5	0.00	14.0	65.9	74 Moderate	106 High

06/11	59.8	19.3	0.34	21.0	59.0	124	High	139	High
06/12	57.9	10.5	1.48	27.5	57.5	173	High	173	High
06/13	61.7	7.5	0.02	5.5	56.1	16	Light	30	Light
06/14	58.2	12.5	0.01	2.5	57.1	5	Light	14	Light
06/15	63.3	9.5	0.00	0.0	0.0	0		0	
06/16	67.9	7.8	0.00	0.0	0.0	0		0	
06/17	64.2	16.5	0.49	8.8	64.2	38	Moderate	64	Moderate
06/18	70.4	10.3	0.00	11.3	62.5	55	Moderate	81	Moderate
06/19	67.8	11.3	0.00	0.0	0.0	0		0	
06/20	64.9	10.5	0.00	0.0	0.0	0		0	
06/21	69.6	11.0	0.00	0.0	0.0	0		0	
06/22	68.2	18.8	0.11	11.8	70.5	51	Moderate	87	Moderate
06/23	65.7	17.5	0.75	25.8	66.4	176	High	200	High
06/24	60.9	4.0	0.00	14.0	61.9	74	Moderate	100	High