

Griswold 2011 Black Rot - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	81.1	56.9	12.8	0.97	
09/02	80.5	53.0	12.8	1.13	Infection Risk
09/03	82.5	54.5	10.5	1.16	Infection Risk
09/04	81.4	64.7	7.3	1.53	Infection Risk
09/05	81.3	64.8	6.8	0.69	
09/06	72.7	58.1	24.0	3.42	Infection Risk
09/07	66.9	58.1	20.5	5.84	Infection Risk
09/08	77.2	58.9	13.0	7.03	Infection Risk
09/09	82.8	57.9	10.8	0.91	
09/10	82.9	52.9	10.3	1.28	Infection Risk
09/11	74.1	51.0	8.5	0.57	
09/12	82.2	59.3	8.5	0.68	
09/13	83.1	58.3	9.3	1.67	Infection Risk
09/14	84.9	67.2	11.5	1.36	Infection Risk
09/15	83.6	51.1	13.3	2.75	Infection Risk
09/16	65.8	42.4	1.0	2.75	Infection Risk
09/17	69.1	39.0	2.8	0.12	
09/18	68.7	43.3	3.5	0.24	
09/19	72.5	39.8	4.5	0.21	
09/20	66.9	45.0	7.0	0.85	
09/21	57.8	52.6	4.0	1.13	Infection Risk

Griswold 2011 Botrytis - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/01	81.1	56.9	12.8	11.3	0.29	Low Infection Risk
09/02	80.5	53.0	12.8	10.5	0.00	
09/03	82.5	54.5	10.5	8.0	0.00	
09/04	81.4	64.7	7.3	5.3	0.00	
09/05	81.3	64.8	6.8	1.5	0.00	
09/06	72.7	58.1	24.0	18.0	2.78	High Infection Risk
09/07	66.9	58.1	20.5	21.0	1.97	High Infection Risk
09/08	77.2	58.9	13.0	16.0	0.76	Moderate Infection Risk
09/09	82.8	57.9	10.8	12.3	0.21	Low Infection Risk
09/10	82.9	52.9	10.3	8.8	0.00	
09/11	74.1	51.0	8.5	5.8	0.00	
09/12	82.2	59.3	8.5	8.5	0.00	
09/13	83.1	58.3	9.3	9.0	0.00	
09/14	84.9	67.2	11.5	10.0	0.26	Low Infection Risk
09/15	83.6	51.1	13.3	8.5	0.51	Moderate Infection Risk
09/16	65.8	42.4	9.0	4.0	0.00	
09/17	69.1	39.0	10.3	8.5	0.00	
09/18	68.7	43.3	6.5	3.5	0.00	
09/19	72.5	39.8	12.3	11.3	0.00	
09/20	66.9	45.0	12.5	12.0	0.00	
09/21	57.8	52.6	4.0	4.0	0.00	

Griswold 2011 Downy Mildew - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	81.1	0.0		12.8	10.8	0.3	1	Primary Infection
09/02	80.5	>min		12.8	9.3	0.0	1	Possible Infection
09/03	82.5	>min		10.5	8.0	0.0	1	Possible Infection
09/04	81.4	>min		7.3	3.3	1.3	3	High Risk of Infection
09/05	81.3	>min		6.8	0.5	0.0	1	Possible Infection
09/06	72.7	>min	1.98	24.0	15.0	0.3	1	Possible Infection
09/07	66.9	>min	0.84	20.5	19.8	0.0	1	Possible Infection
09/08	77.2	>min	1.75	13.0	15.0	0.0	1	Possible Infection
09/09	82.8	>min		10.8	11.3	0.0	1	Possible Infection
09/10	82.9	>min		10.3	8.8	0.0	1	Possible Infection
09/11	74.1	>min		8.5	4.8	0.0	1	Possible Infection
09/12	82.2	>min		8.5	7.0	0.3	1	Possible Infection
09/13	83.1	>min		9.3	9.0	1.5	3	High Risk of Infection
09/14	84.9	>min		11.5	5.0	5.0	3	High Risk of Infection
09/15	83.6	>min	0.24	13.3	8.3	8.3	3	High Risk of Infection
09/16	65.8	>min		8.3	1.3	0.0	1	Possible Infection
09/17	69.1	>min		6.5	4.3	0.0	1	Possible Infection
09/18	68.7	>min		6.5	2.8	0.0	1	Possible Infection
09/19	72.5	>min		6.3	4.8	0.0	1	Possible Infection
09/20	66.9	>min	0.02	12.5	11.8	0.0	1	Possible Infection
09/21	57.8	>min		4.0	4.0	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-09-01 To 2011-09-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	81.1	67.5	10.0	0.0	12.8		
09/02	80.5	65.0	8.8	0.0	12.8		
09/03	82.5	68.1	11.5	0.0	10.0		60 Heavy
09/04	81.4	72.4	13.5	0.0	7.3		80 Heavy
09/05	81.3	73.3	16.5	0.0	6.3		100 Heavy
09/06	72.7	63.0	5.3	0.0	23.8	Heavy	90 Heavy
09/07	66.9	62.0	0.0	0.0	20.5	Heavy	80 Heavy
09/08	77.2	64.5	5.3	0.0	13.0	Heavy	70 Heavy
09/09	82.8	68.3	9.5	0.0	10.0		90 Heavy
09/10	82.9	66.2	9.0	0.0	10.3		100 Heavy
09/11	74.1	62.4	6.8	0.0	8.5		100 Heavy
09/12	82.2	69.3	9.8	0.0	8.5		100 Heavy
09/13	83.1	70.6	11.5	0.0	9.3	Heavy	100 Heavy
09/14	84.9	73.9	12.3	0.0	11.5		100 Heavy
09/15	83.6	68.1	6.3	0.0	12.8	Heavy	100 Heavy
09/16	65.8	52.5	0.0	0.0	9.0	Heavy	90 Heavy
09/17	69.1	53.0	0.0	0.0	10.8		80 Heavy
09/18	68.7	56.0	0.0	0.0	6.3		70 Heavy
09/19	72.5	53.9	2.3	0.0	13.3		60 Heavy
09/20	66.9	57.9	0.0	0.0	12.0		50 Medium
09/21	57.8	55.2	0.0	0.0	4.0	Heavy	40 Medium

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-09-01 To 2011-09-21

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
09/01	67.5	12.8	0.00	0.0	0.0	0	0
09/02	65.0	13.3	0.00	0.0	0.0	0	0
09/03	68.1	11.5	0.00	0.0	0.0	0	0
09/04	72.4	7.8	0.00	0.0	0.0	0	0
09/05	73.3	7.5	0.00	0.0	0.0	0	0
09/06	63.0	24.0	1.98	19.0	60.6	112 High	133 High
09/07	62.0	20.5	0.84	70.0	60.8	728 High	517 High
09/08	64.5	15.3	1.75	50.3	60.8	453 High	366 High
09/09	68.3	12.5	0.00	0.0	0.0	0	0
09/10	66.2	11.0	0.00	0.0	0.0	0	0
09/11	62.4	9.3	0.00	0.0	0.0	0	0
09/12	69.3	9.5	0.00	0.0	0.0	0	0
09/13	70.6	9.5	0.00	0.0	0.0	0	0
09/14	73.9	12.0	0.00	0.0	0.0	0	0
09/15	68.1	13.8	0.24	8.3	66.4	35 Moderate	61 Moderate
09/16	52.5	9.8	0.00	0.0	0.0	0	0
09/17	53.0	10.0	0.00	0.0	0.0	0	0
09/18	56.0	8.8	0.00	0.0	0.0	0	0
09/19	53.9	10.0	0.00	0.0	0.0	0	0
09/20	57.9	16.8	0.02	3.3	64.3	9 Light	23 Light
09/21	55.2	4.0	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