

Griswold 2011 Black Rot - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/22	79.1	58.2	11.5	1.25	Infection Risk
08/23	79.6	52.7	10.5	0.95	
08/24	79.6	52.9	9.0	0.82	
08/25	83.2	63.7	7.3	1.41	Infection Risk
08/26	88.4	66.2	11.0	1.21	Infection Risk
08/27	77.4	63.7	20.8	3.93	Infection Risk
08/28	74.9	64.3	21.0	7.46	Infection Risk
08/29	78.3	54.1	8.8	7.76	Infection Risk
08/30	82.1	50.1	13.5	0.95	
08/31	87.1	50.9	12.8	1.05	Infection Risk
09/01	81.1	56.9	12.8	1.61	Infection Risk
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	65.5	58.9	11.0	7.03	Infection Risk

Griswold 2011 Botrytis - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/22	79.1	58.2	11.5	9.5	0.07	Low Infection Risk
08/23	79.6	52.7	10.5	6.8	0.00	
08/24	79.6	52.9	9.0	7.8	0.00	
08/25	83.2	63.7	7.3	5.0	0.00	
08/26	88.4	66.2	11.0	8.0	0.19	Low Infection Risk
08/27	77.4	63.7	20.8	18.8	2.35	High Infection Risk
08/28	74.9	64.3	21.0	16.5	2.54	High Infection Risk
08/29	78.3	54.1	8.8	6.3	0.00	
08/30	82.1	50.1	13.5	11.5	0.00	
08/31	87.1	50.9	12.8	9.8	0.00	
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	65.5	58.9	11.0	11.0	0.00	

Griswold 2011 Downy Mildew - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/22	79.1	0.0	0.18	11.5	8.5	5.8	1	Primary Infection
08/23	79.6	>min		10.5	5.8	0.0	1	Possible Infection
08/24	79.6	>min		9.0	7.8	0.0	1	Possible Infection
08/25	83.2	>min		7.3	4.8	2.0	3	High Risk of Infection
08/26	88.4	>min	0.01	11.0	7.5	7.5	3	High Risk of Infection
08/27	77.4	>min	0.45	20.8	16.8	10.5	3	High Risk of Infection
08/28	74.9	>min	2.55	21.0	14.3	14.3	3	High Risk of Infection
08/29	78.3	>min		8.8	5.0	0.0	1	Possible Infection
08/30	82.1	>min		13.5	10.8	0.0	1	Possible Infection
08/31	87.1	>min		12.8	9.0	0.0	1	Possible Infection
09/01	81.1	>min		12.8	10.8	0.3	1	Possible 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	65.5	>min	1.75	11.0	11.0	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-08-22 To 2011-09-08

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/22	79.1	70.0	14.5	0.0	11.5		
08/23	79.6	64.9	9.3	0.0	10.3		
08/24	79.6	66.7	10.5	0.0	9.0		60 Heavy
08/25	83.2	74.2	17.3	0.0	7.0		80 Heavy
08/26	88.4	75.4	5.5	0.0	10.8		70 Heavy
08/27	77.4	72.0	15.8	0.0	20.5	Heavy	90 Heavy
08/28	74.9	70.3	11.0	0.0	20.5	Heavy	100 Heavy
08/29	78.3	65.5	8.5	0.0	8.5	Heavy	100 Heavy
08/30	82.1	64.9	9.0	0.0	13.3		100 Heavy
08/31	87.1	67.7	7.3	0.0	12.5		100 Heavy
09/01	81.1	67.5	10.0	0.0	12.8		100 Heavy
09/02	80.5	65.0	8.8	0.0	12.8		100 Heavy
09/03	82.5	68.1	11.5	0.0	10.0		100 Heavy
09/04	81.4	72.4	13.5	0.0	7.3		100 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 65.5 60.2 0.0 0.0 11.0 Heavy 70 Heavy

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-22 To 2011-09-08

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Seyval
08/22	70.0	12.0	0.18	7.0	70.2	25 Light	51 Moderate
08/23	64.9	11.3	0.00	0.0	0.0	0	0
08/24	66.7	10.5	0.00	0.0	0.0	0	0
08/25	74.2	7.5	0.00	0.0	0.0	0	0
08/26	75.4	11.5	0.01	4.8	68.9	15 Light	34 Moderate
08/27	72.0	21.3	0.45	14.3	75.5	51 Moderate	94 High
08/28	70.3	22.3	2.55	32.3	72.1	203 High	241 High
08/29	65.5	9.3	0.00	0.0	0.0	0	0
08/30	64.9	13.8	0.00	0.0	0.0	0	0
08/31	67.7	13.0	0.00	0.0	0.0	0	0
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	60.2	11.0	1.75	50.8	60.8	460 High	371 High

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