

Griswold 2011 Black Rot - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	69.6	62.0	24.0	3.92	Infection Risk
08/16	75.1	58.4	11.5	4.76	Infection Risk
08/17	84.2	55.1	12.3	1.12	Infection Risk
08/18	84.5	57.8	11.3	1.51	Infection Risk
08/19	81.5	64.3	12.0	1.83	Infection Risk
08/20	84.7	64.8	12.8	2.21	Infection Risk
08/21	84.3	61.4	12.0	1.83	Infection Risk
08/22	79.1	58.2	11.5	1.92	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	55.6	52.2	4.0	0.80	

Griswold 2011 Botrytis - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/15	69.6	62.0	24.0	24.0	3.35	High Infection Risk
08/16	75.1	58.4	11.5	11.0	0.00	
08/17	84.2	55.1	12.3	11.8	0.01	Low Infection Risk
08/18	84.5	57.8	11.3	10.5	0.00	
08/19	81.5	64.3	12.0	10.5	0.40	Low Infection Risk
08/20	84.7	64.8	12.8	10.5	0.55	Moderate Infection Risk
08/21	84.3	61.4	12.0	9.8	0.40	Low Infection Risk
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	55.6	52.2	4.0	4.0	0.00	

Griswold 2011 Downy Mildew - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/15	69.6	0.0	4.40	24.0	24.0	18.3	1	Primary Infection
08/16	75.1	>min		11.5	10.5	0.0	1	Possible Infection
08/17	84.2	>min		12.3	11.5	0.5	3	High Risk of Infection
08/18	84.5	>min		11.3	9.8	2.0	3	High Risk of Infection
08/19	81.5	>min		12.0	8.3	4.8	3	High Risk of Infection
08/20	84.7	>min		12.8	9.5	8.3	3	High Risk of Infection
08/21	84.3	>min	0.02	12.0	8.5	1.3	3	High Risk of Infection
08/22	79.1	>min	0.18	11.5	8.5	5.8	3	High Risk of 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	55.6	>min		4.0	4.0	0.0	1	Possible Infection

SpecWare 9 Pro - Griswold2011 Powdery Mildew - Grape From 2011-08-15 To 2011-08-31

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/15	69.6	67.1	0.0	0.0	24.0	Heavy	
08/16	75.1	65.5	4.5	0.0	11.5	Heavy	
08/17	84.2	69.5	11.5	0.0	12.3		
08/18	84.5	71.5	12.0	0.0	11.3		
08/19	81.5	73.3	21.0	0.0	12.0		60 Heavy
08/20	84.7	74.7	17.3	0.0	12.8	Heavy	80 Heavy
08/21	84.3	73.0	16.0	0.0	11.3	Heavy	100 Heavy
08/22	79.1	70.0	14.5	0.0	11.5		100 Heavy
08/23	79.6	64.9	9.3	0.0	10.3		100 Heavy
08/24	79.6	66.7	10.5	0.0	9.0		100 Heavy
08/25	83.2	74.2	17.3	0.0	7.0		100 Heavy
08/26	88.4	75.4	5.5	0.0	10.8		90 Heavy
08/27	77.4	72.0	15.8	0.0	20.5	Heavy	100 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	55.6	53.9	0.0	0.0	4.0		90 Heavy



Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-15 To 2011-08-31

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
08/15	67.1	24.0	4.40	23.8	67.1	155 High	184 High
08/16	65.5	11.8	0.00	31.3	65.7	234 High	244 High
08/17	69.5	12.3	0.00	0.0	0.0	0	0
08/18	71.5	11.8	0.00	0.0	0.0	0	0
08/19	73.3	12.3	0.00	0.0	0.0	0	0
08/20	74.7	12.8	0.00	0.0	0.0	0	0
08/21	73.0	13.8	0.02	2.5	73.5	5 Light	16 Light
08/22	70.0	12.0	0.18	10.0	71.2	40 Moderate	73 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	53.9	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