

Griswold 2011 Black Rot - Grape From 2011-08-01 To 2011-08-16

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	88.4	63.1	10.5	1.13	Infection Risk
08/02	89.3	61.8	9.5	1.56	Infection Risk
08/03	83.3	58.0	10.5	1.23	Infection Risk
08/04	83.6	64.4	8.8	1.61	Infection Risk
08/05	80.0	63.4	11.8	1.45	Infection Risk
08/06	81.8	69.1	11.8	2.02	Infection Risk
08/07	80.6	70.1	20.8	4.15	Infection Risk
08/08	88.8	68.7	12.8	5.39	Infection Risk
08/09	83.0	64.0	12.5	2.05	Infection Risk
08/10	84.1	66.3	11.5	2.20	Infection Risk
08/11	81.8	57.3	10.0	1.35	Infection Risk
08/12	82.5	51.5	12.0	0.99	
08/13	84.6	53.6	10.3	1.15	Infection Risk
08/14	71.6	65.0	23.5	4.38	Infection Risk
08/15	69.6	62.0	24.0	8.30	Infection Risk
08/16	65.7	60.6	7.3	9.14	Infection Risk

Griswold 2011 Botrytis - Grape From 2011-08-01 To 2011-08-16

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/01	88.4	63.1	10.5	8.3	0.00	
08/02	89.3	61.8	9.5	7.0	0.00	
08/03	83.3	58.0	10.5	5.5	0.00	
08/04	83.6	64.4	8.8	4.8	0.00	
08/05	80.0	63.4	11.8	1.8	0.27	Low Infection Risk
08/06	81.8	69.1	11.8	0.5	0.30	Low Infection Risk
08/07	80.6	70.1	20.8	20.5	2.40	High Infection Risk
08/08	88.8	68.7	12.8	11.8	0.46	Low Infection Risk
08/09	83.0	64.0	12.5	12.8	0.58	Moderate Infection Risk
08/10	84.1	66.3	11.5	10.5	0.22	Low Infection Risk
08/11	81.8	57.3	10.0	7.3	0.00	
08/12	82.5	51.5	12.0	11.0	0.00	
08/13	84.6	53.6	10.3	8.8	0.00	
08/14	71.6	65.0	23.5	22.0	3.27	High Infection Risk
08/15	69.6	62.0	24.0	24.0	3.35	High Infection Risk
08/16	65.7	60.6	7.3	7.5	0.00	

Griswold 2011 Downy Mildew - Grape From 2011-08-01 To 2011-08-16

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/01	88.4	0.0		10.5	5.8	1.8	1	Primary Infection
08/02	89.3	>min		9.5	7.0	0.3	1	Possible Infection
08/03	83.3	>min		10.5	4.8	0.0	1	Possible Infection
08/04	83.6	>min		8.8	3.3	0.0	1	Possible Infection
08/05	80.0	>min		11.8	0.5	0.0	1	Possible Infection
08/06	81.8	>min		11.8	0.0	0.0	0	
08/07	80.6	>min	2.17	20.8	18.8	18.5	3	High Risk of Infection
08/08	88.8	>min	0.13	12.8	11.3	11.3	3	High Risk of Infection
08/09	83.0	>min	0.79	12.5	12.5	8.0	3	High Risk of Infection
08/10	84.1	>min		11.5	10.3	10.3	3	High Risk of Infection
08/11	81.8	>min		10.0	6.8	0.5	3	High Risk of Infection
08/12	82.5	>min		12.0	10.3	0.0	1	Possible Infection
08/13	84.6	>min		10.3	7.8	0.0	1	Possible Infection
08/14	71.6	>min	0.33	23.5	16.5	15.0	3	High Risk of Infection
08/15	69.6	>min	4.40	24.0	24.0	18.3	3	High Risk of Infection
08/16	65.7	>min		7.3	7.3	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-08-01 To 2011-08-16

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	88.4	75.4	5.5	0.0	10.0		
08/02	89.3	75.3	3.8	0.0	8.8		
08/03	83.3	70.1	11.5	0.0	10.3		
08/04	83.6	72.5	14.0	0.0	8.8		
08/05	80.0	70.8	11.3	0.0	11.5		60 Heavy
08/06	81.8	74.2	18.8	0.0	11.3		80 Heavy
08/07	80.6	74.0	24.0	0.0	20.8	Heavy	100 Heavy
08/08	88.8	77.7	17.3	0.0	12.3	Heavy	100 Heavy
08/09	83.0	72.6	16.5	0.0	12.5		100 Heavy
08/10	84.1	75.2	20.8	0.0	11.5	Heavy	100 Heavy
08/11	81.8	70.1	11.8	0.0	10.0		100 Heavy
08/12	82.5	66.9	10.3	0.0	12.0		100 Heavy
08/13	84.6	69.3	11.3	0.0	10.0		100 Heavy
08/14	71.6	68.5	2.0	0.0	23.5	Heavy	90 Heavy
08/15	69.6	67.1	0.0	0.0	24.0	Heavy	80 Heavy
08/16	65.7	61.7	0.0	0.0	7.3	Heavy	70 Heavy

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-01 To 2011-08-16

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
08/01	75.4	12.3	0.00	0.0	0.0	0	0
08/02	75.3	10.5	0.00	0.0	0.0	0	0
08/03	70.1	11.0	0.00	0.0	0.0	0	0
08/04	72.5	9.0	0.00	0.0	0.0	0	0
08/05	70.8	12.3	0.00	0.0	0.0	0	0
08/06	74.2	12.5	0.00	0.0	0.0	0	0
08/07	74.0	20.8	2.17	29.8	72.7	175 High	218 High
08/08	77.7	13.3	0.13	1.5	79.2	1 Light	8 Light
08/09	72.6	12.8	0.79	5.0	71.7	14 Light	35 Moderate
08/10	75.2	11.8	0.00	13.0	71.7	56 Moderate	94 High
08/11	70.1	10.0	0.00	0.0	0.0	0	0
08/12	66.9	12.0	0.00	0.0	0.0	0	0
08/13	69.3	10.3	0.00	0.0	0.0	0	0
08/14	68.5	23.8	0.33	22.8	69.1	139 High	175 High
08/15	67.1	24.0	4.40	41.3	68.0	335 High	327 High
08/16	61.7	7.5	0.00	48.8	66.9	435 High	389 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