

Griswold 2011 Black Rot - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/22	75.1	60.9	18.5	2.86	Infection Risk
06/23	70.3	61.3	17.3	5.36	Infection Risk
06/24	68.7	59.9	10.3	6.24	Infection Risk
06/25	77.7	58.5	11.3	1.02	Infection Risk
06/26	81.0	61.9	11.3	1.53	Infection Risk
06/27	85.0	60.9	11.0	1.65	Infection Risk
06/28	83.3	61.7	10.5	1.56	Infection Risk
06/29	83.4	61.2	9.8	2.00	Infection Risk
06/30	81.7	58.7	6.3	0.65	
07/01	80.0	50.5	7.8	0.80	
07/02	84.4	56.7	10.3	0.83	
07/03	79.6	59.7	11.0	2.04	Infection Risk
07/04	87.1	65.9	9.3	3.21	Infection Risk
07/05	73.1	61.3	7.3	1.41	Infection Risk

Griswold 2011 Downy Mildew - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/22	75.1	0.0	0.11	18.5	14.3	6.5	1	Primary Infection
06/23	70.3	>min	0.75	17.3	17.0	7.5	3	High Risk of Infection
06/24	68.7	>min		10.3	13.3	0.0	1	Possible Infection
06/25	77.7	>min		11.3	10.5	0.0	1	Possible Infection
06/26	81.0	>min		11.3	7.8	0.3	1	Possible Infection
06/27	85.0	>min		11.0	5.8	1.0	3	High Risk of Infection
06/28	83.3	>min		10.5	9.0	2.3	3	High Risk of Infection
06/29	83.4	>min	0.02	9.8	8.3	8.3	3	High Risk of Infection
06/30	81.7	>min		6.3	0.5	0.0	1	Possible Infection
07/01	80.0	>min		7.8	6.8	0.0	1	Possible Infection
07/02	84.4	>min		10.3	6.0	0.0	1	Possible Infection
07/03	79.6	>min		11.0	9.8	3.3	3	High Risk of Infection
07/04	87.1	>min		9.3	7.3	7.0	3	High Risk of Infection
07/05	73.1	>min		7.3	6.8	0.3	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-06-22 To 2011-07-05

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/22	75.1	68.2	9.0	0.0	17.8	Heavy	
06/23	70.3	65.7	1.0	0.0	17.3	Heavy	
06/24	68.7	63.4	0.0	0.0	9.8	Heavy	
06/25	77.7	65.1	5.8	0.0	11.3		
06/26	81.0	69.9	11.3	0.0	11.3		
06/27	85.0	72.7	12.8	0.0	11.0		
06/28	83.3	72.7	13.5	0.0	10.5		60 Heavy
06/29	83.4	73.7	14.8	0.0	9.8		80 Heavy
06/30	81.7	69.8	12.0	0.0	5.8		100 Heavy
07/01	80.0	67.8	11.3	0.0	7.8		100 Heavy
07/02	84.4	70.0	12.5	0.0	10.3		100 Heavy
07/03	79.6	70.7	13.5	0.0	11.0	Heavy	100 Heavy
07/04	87.1	76.0	5.0	0.0	9.0	Heavy	90 Heavy
07/05	73.1	64.4	1.0	0.0	7.3		80 Heavy

Griswold 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-22 To 2011-07-05

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Disease Intensity Seyval
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	63.4	11.5	0.00	17.5	61.7	102 High	125 High
06/25	65.1	11.5	0.00	0.0	0.0	0	0
06/26	69.9	12.3	0.00	0.0	0.0	0	0
06/27	72.7	11.0	0.00	0.0	0.0	0	0
06/28	72.7	10.5	0.00	0.0	0.0	0	0
06/29	73.7	10.0	0.02	4.3	69.5	12 Light	30 Moderate
06/30	69.8	6.8	0.00	0.0	0.0	0	0
07/01	67.8	7.8	0.00	0.0	0.0	0	0
07/02	70.0	10.5	0.00	0.0	0.0	0	0
07/03	70.7	11.8	0.00	0.0	0.0	0	0
07/04	76.0	10.0	0.00	0.0	0.0	0	0
07/05	64.4	7.3	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