

Griswold 2011 Black Rot - Grape From 2011-08-09 To 2011-08-24

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/09	83.0	64.0	12.5	1.19	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	75.1	58.4	11.5	9.14	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	63.2	52.9	7.5	0.82	

Griswold 2011 Botrytis - Grape From 2011-08-09 To 2011-08-24

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	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	63.2	52.9	7.5	7.8	0.00	

Griswold 2011 Downy Mildew - Grape From 2011-08-09 To 2011-08-24

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/09	83.0	0.0	0.79	12.5	12.5	8.0	1	Primary 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	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	63.2	>min		7.5	7.8	0.0	1	Possible Infection

Griswold 2011 Powdery Mildew - Grape From 2011-08-09 To 2011-08-24

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/09	83.0	72.6	16.5	0.0	12.5		
08/10	84.1	75.2	20.8	0.0	11.5	Heavy	
08/11	81.8	70.1	11.8	0.0	10.0		60 Heavy
08/12	82.5	66.9	10.3	0.0	12.0		80 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	75.1	65.5	4.5	0.0	11.5	Heavy	70 Heavy
08/17	84.2	69.5	11.5	0.0	12.3		90 Heavy
08/18	84.5	71.5	12.0	0.0	11.3		100 Heavy
08/19	81.5	73.3	21.0	0.0	12.0		100 Heavy
08/20	84.7	74.7	17.3	0.0	12.8	Heavy	100 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	63.2	54.7	0.0	0.0	7.5		90 Heavy

Griswold 2011 Phomopsis - Grape From 2011-08-09 To 2011-08-24

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
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	65.5	11.8	0.00	48.8	66.9	435 High	389 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	54.7	7.8	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