

Windsor 2011 Black Rot - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/22	66.5	52.8	6.0	0.46	
05/23	63.0	51.4	17.8	1.57	Infection Risk
05/24	79.6	63.1	10.3	2.71	Infection Risk
05/25	83.0	55.4	6.5	0.83	
05/26	83.1	55.3	10.8	0.79	
05/27	89.0	63.8	10.3	1.84	Infection Risk
05/28	82.9	64.3	12.0	1.71	Infection Risk
05/29	83.5	68.1	7.0	1.64	Infection Risk
05/30	88.8	67.2	12.3	1.97	Infection Risk
05/31	88.6	65.9	1.5	0.48	
06/01	86.7	64.0	4.0	0.65	
06/02	73.7	55.8	7.3	1.36	Infection Risk
06/03	74.9	48.7		0.00	
06/04	79.6	45.2	1.8	0.06	
06/05	73.4	47.3	5.5	0.29	
06/06	78.7	56.5	2.0	0.17	

Windsor 2011 Downy Mildew - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/22	66.5	0.0		6.0	1.5	0.0	1	Primary Infection
05/23	63.0	>min	0.35	17.8	20.5	0.0	1	Possible Infection
05/24	79.6	>min	0.02	10.3	10.3	1.0	3	High Risk of Infection
05/25	83.0	>min		6.5	1.5	0.0	1	Possible Infection
05/26	83.1	>min		10.8	7.5	0.0	1	Possible Infection
05/27	89.0	>min		10.3	8.8	1.0	3	High Risk of Infection
05/28	82.9	>min		12.0	7.5	6.3	3	High Risk of Infection
05/29	83.5	>min		7.0	1.0	1.0	3	High Risk of Infection
05/30	88.8	>min	0.54	12.3	8.0	8.0	3	High Risk of Infection
05/31	88.6	>min		1.5	0.0	0.0	0	
06/01	86.7	>min	0.28	4.0	3.3	3.3	3	High Risk of Infection
06/02	73.7	>min		7.3	6.0	0.0	1	Possible Infection
06/03	74.9	>min			0.0	0.0	0	
06/04	79.6	>min		5.5	0.3	0.0	0	
06/05	73.4	>min		6.8	5.3	0.0	1	Possible Infection
06/06	78.7	>min		2.0	0.8	0.0	1	Possible Infection

Windsor 2011 Powdery Mildew - Grape From 2011-05-22 To 2011-06-06

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
05/22	66.5	58.4	0.0	0.0	4.8		
05/23	63.0	56.5	0.0	0.0	17.8	Heavy	
05/24	79.6	69.3	10.0	0.0	10.3	Heavy	
05/25	83.0	69.4	11.3	0.0	6.5		
05/26	83.1	68.1	10.8	0.0	9.5		60 Heavy
05/27	89.0	73.8	5.3	0.0	9.8		50 Medium
05/28	82.9	72.0	12.0	0.0	11.5		70 Heavy
05/29	83.5	74.8	16.8	0.0	6.8		90 Heavy
05/30	88.8	75.5	4.5	0.0	12.3		80 Heavy
05/31	88.6	75.8	6.8	0.0	1.5		100 Heavy
06/01	86.7	73.8	13.3	0.0	3.8		100 Heavy
06/02	73.7	63.3	4.3	0.0	7.3		90 Heavy
06/03	74.9	62.1	6.3	0.0	0.0		100 Heavy
06/04	79.6	62.4	8.5	0.0	5.3		100 Heavy
06/05	73.4	61.2	5.0	0.0	6.8		90 Heavy
06/06	78.7	65.4	3.8	0.0	2.0		80 Heavy

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

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/22	58.4	6.8	0.00	0.0	0.0	0	0
05/23	56.5	18.5	0.35	14.3	57.3	67 Moderate	86 Moderate
05/24	69.3	11.5	0.02	17.5	62.4	103 High	127 High
05/25	69.4	6.8	0.00	0.0	0.0	0	0
05/26	68.1	11.5	0.00	0.0	0.0	0	0
05/27	73.8	11.3	0.00	0.0	0.0	0	0
05/28	72.0	12.5	0.00	0.0	0.0	0	0
05/29	74.8	8.3	0.00	0.0	0.0	0	0
05/30	75.5	12.8	0.54	4.0	70.7	11 Light	28 Light
05/31	75.8	3.5	0.00	0.0	0.0	0	0
06/01	73.8	4.8	0.28	3.8	70.3	10 Light	27 Light
06/02	63.3	7.3	0.00	11.0	62.8	53 Moderate	79 Moderate
06/03	62.1	0.3	0.00	0.0	0.0	0	0
06/04	62.4	5.8	0.00	0.0	0.0	0	0
06/05	61.2	7.0	0.00	0.0	0.0	0	0
06/06	65.4	2.5	0.00	0.0	0.0	0	0

Leaf Wetness Sensor Parameters:

Base Temperature 41.0
 Upper Temperature 95.9
 Wetness Threshold 3.0

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