

Windsor 2011 Black Rot - Grape From 2011-07-04 To 2011-07-22

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/04	87.9	65.3	12.3	1.41	Infection Risk
07/05	90.0	60.7	9.0	1.65	Infection Risk
07/06	91.8	61.3	9.0	1.28	Infection Risk
07/07	88.7	65.5	10.0	1.61	Infection Risk
07/08	79.0	66.1	13.0	2.53	Infection Risk
07/09	86.1	64.2	8.0	3.83	Infection Risk
07/10	87.2	59.1	7.5	0.89	
07/11	93.9	65.0	7.5	1.27	Infection Risk
07/12	92.0	72.1		0.00	
07/13	90.1	65.2	5.0	0.81	
07/14	83.9	60.1	1.5	0.11	
07/15	88.7	56.0	7.8	0.80	
07/16	92.5	60.2	7.5	0.94	
07/17	92.4	63.5	7.5	1.19	Infection Risk
07/18	86.8	70.3	3.5	0.57	
07/19	92.0	68.0	9.8	1.78	Infection Risk
07/20	90.4	64.2	8.0	1.66	Infection Risk
07/21	95.8	72.1	7.0	1.26	Infection Risk
07/22	91.4	76.0	5.3	0.75	

Windsor 2011 Downy Mildew - Grape From 2011-07-04 To 2011-07-22

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours >95%RH	43-86	66-77	Risk	Warning
07/04	87.9	0.0	0.01	12.3	8.0	6.8	1	Primary Infection	
07/05	90.0	>min		9.0	5.3	0.0	1	Possible Infection	
07/06	91.8	>min	0.33	9.0	6.0	1.0	3	High Risk of Infection	
07/07	88.7	>min	0.01	10.0	8.3	7.3	3	High Risk of Infection	
07/08	79.0	>min	0.23	13.0	6.0	6.0	3	High Risk of Infection	
07/09	86.1	>min	0.06	8.0	7.8	7.8	3	High Risk of Infection	
07/10	87.2	>min		7.5	5.3	0.0	1	Possible Infection	
07/11	93.9	>min		7.5	5.5	3.3	3	High Risk of Infection	
07/12	92.0	>min			0.0	0.0	0		
07/13	90.1	>min		5.0	0.0	0.0	0		
07/14	83.9	>min		1.5	0.0	0.0	0		
07/15	88.7	>min		7.8	4.5	0.0	1	Possible Infection	
07/16	92.5	>min		7.5	5.0	0.0	1	Possible Infection	
07/17	92.4	>min		7.5	4.0	0.3	1	Possible Infection	
07/18	86.8	>min	0.05	3.5	0.0	0.0	0		
07/19	92.0	>min		9.8	4.3	4.3	3	High Risk of Infection	
07/20	90.4	>min		8.0	6.5	2.5	3	High Risk of Infection	
07/21	95.8	>min		7.0	0.0	0.0	0		
07/22	91.4	>min		5.3	0.3	0.3	0		

Windsor 2011 Powdery Mildew - Grape From 2011-07-04 To 2011-07-22

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
07/04	87.9	75.6	5.8	0.0	11.3		
07/05	90.0	75.7	4.0	0.0	8.8		
07/06	91.8	76.7	4.0	0.0	9.0		
07/07	88.7	75.7	4.8	0.0	9.8		
07/08	79.0	70.4	6.8	0.0	11.8	Heavy	
07/09	86.1	75.4	13.0	0.0	8.0	Heavy	
07/10	87.2	73.7	7.3	0.0	7.5		60 Heavy
07/11	93.9	79.6	5.5	0.0	7.5		50 Medium
07/12	92.0	82.7	14.3	0.0	0.0		70 Heavy
07/13	90.1	75.2	11.8	0.0	5.0		90 Heavy
07/14	83.9	70.8	10.8	0.0	1.3		100 Heavy
07/15	88.7	71.7	12.3	0.0	7.5		100 Heavy
07/16	92.5	75.4	4.8	0.0	7.3		90 Heavy
07/17	92.4	78.7	4.8	0.0	7.5		80 Heavy
07/18	86.8	77.2	24.0	0.0	3.0		100 Heavy
07/19	92.0	78.6	5.0	0.0	9.0		90 Heavy
07/20	90.4	77.2	5.5	0.0	7.8		80 Heavy
07/21	95.8	83.2	15.3	0.8	7.0		90 Heavy
07/22	91.4	80.4	10.8	0.0	4.0		100 Heavy

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-04 To 2011-07-22

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/04	75.6	13.0	0.01	2.3	71.2	5 Light	15 Light
07/05	75.7	9.8	0.00	0.0	0.0	0	0
07/06	76.7	9.0	0.33	1.3	67.4	2 Light	9 Light
07/07	75.7	11.3	0.01	9.5	67.3	42 Moderate	71 Moderate
07/08	70.4	17.3	0.23	9.5	69.0	40 Moderate	71 Moderate
07/09	75.4	9.3	0.06	14.5	68.5	74 Moderate	110 High
07/10	73.7	7.8	0.00	0.0	0.0	0	0
07/11	79.6	7.5	0.00	0.0	0.0	0	0
07/12	82.7	0.3	0.00	0.0	0.0	0	0
07/13	75.2	5.5	0.00	0.0	0.0	0	0
07/14	70.8	3.0	0.00	0.0	0.0	0	0
07/15	71.7	7.8	0.00	0.0	0.0	0	0
07/16	75.4	8.0	0.00	0.0	0.0	0	0
07/17	78.7	7.5	0.00	0.0	0.0	0	0
07/18	77.2	5.5	0.05	0.5	78.4	0 Light	3 Light
07/19	78.6	10.8	0.00	0.0	0.0	0	0
07/20	77.2	9.8	0.00	0.0	0.0	0	0
07/21	83.2	7.5	0.00	0.0	0.0	0	0
07/22	80.4	6.0	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