

Windsor 2011 Black Rot - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	70.8	62.7	24.0	3.92	Infection Risk
08/16	75.9	60.5	12.5	4.81	Infection Risk
08/17	86.7	58.0	13.5	1.67	Infection Risk
08/18	84.8	62.4	10.5	2.00	Infection Risk
08/19	85.1	64.4	9.0	1.66	Infection Risk
08/20	88.5	65.3	9.8	1.38	Infection Risk
08/21	86.1	64.1	14.3	2.63	Infection Risk
08/22	78.4	63.2	4.3	3.37	Infection Risk
08/23	78.9	52.6	7.8	0.33	
08/24	80.9	56.7	10.3	1.13	Infection Risk
08/25	79.1	68.5	11.5	2.18	Infection Risk
08/26	88.7	63.6	13.3	1.53	Infection Risk
08/27	72.5	65.4	21.0	4.31	Infection Risk
08/28	75.4	63.2	14.8	6.87	Infection Risk
08/29	79.1	53.4	7.8	0.32	
08/30	82.2	52.7	11.0	0.91	
08/31	59.4	56.6	7.0	0.90	

Windsor 2011 Botrytis - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/15	70.8	62.7	24.0	24.0	3.35	High Infection Risk
08/16	75.9	60.5	12.5	11.5	0.26	Low Infection Risk
08/17	86.7	58.0	13.5	9.5	0.45	Low Infection Risk
08/18	84.8	62.4	10.5	8.3	0.00	
08/19	85.1	64.4	9.0	8.3	0.00	
08/20	88.5	65.3	9.8	7.8	0.00	
08/21	86.1	64.1	14.3	16.8	1.54	High Infection Risk
08/22	78.4	63.2	4.3	4.5	0.00	
08/23	78.9	52.6	7.8	5.0	0.00	
08/24	80.9	56.7	10.3	7.8	0.00	
08/25	79.1	68.5	11.5	2.5	0.32	Low Infection Risk
08/26	88.7	63.6	13.3	11.8	0.66	Moderate Infection Risk
08/27	72.5	65.4	21.0	24.0	3.22	High Infection Risk
08/28	75.4	63.2	14.8	15.0	1.04	High Infection Risk
08/29	79.1	53.4	7.8	5.3	0.00	
08/30	82.2	52.7	11.0	9.3	0.00	
08/31	59.4	56.6	7.0	7.0	0.00	

Windsor 2011 Downy Mildew - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/15	70.8	0.0	0.60	24.0	24.0	18.3	1	Primary Infection
08/16	75.9	>min		12.5	11.3	0.0	1	Possible Infection
08/17	86.7	>min		13.5	9.3	0.5	3	High Risk of Infection
08/18	84.8	>min	0.01	10.5	8.3	1.3	3	High Risk of Infection
08/19	85.1	>min		9.0	8.0	4.0	3	High Risk of Infection
08/20	88.5	>min		9.8	6.0	3.0	3	High Risk of Infection
08/21	86.1	>min		14.3	16.5	9.8	3	High Risk of Infection
08/22	78.4	>min		4.3	4.3	4.3	3	High Risk of Infection
08/23	78.9	>min		7.8	4.0	0.0	1	Possible Infection
08/24	80.9	>min		10.3	7.8	0.0	1	Possible Infection
08/25	79.1	>min	0.04	11.5	2.0	2.0	3	High Risk of Infection
08/26	88.7	>min		13.3	11.3	7.5	3	High Risk of Infection
08/27	72.5	>min	0.52	21.0	23.3	21.3	3	High Risk of Infection
08/28	75.4	>min	2.26	14.8	14.8	14.8	3	High Risk of Infection
08/29	79.1	>min	0.35	7.8	3.5	0.0	1	Possible Infection
08/30	82.2	>min	0.05	11.0	9.0	0.0	1	Possible Infection
08/31	59.4	>min		7.0	7.0	0.0	1	Possible Infection

Windsor 2011 Powdery Mildew - Grape From 2011-08-15 To 2011-08-31

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/15	70.8	67.1	1.0	0.0	24.0	Heavy	
08/16	75.9	66.3	7.3	0.0	12.3	Heavy	
08/17	86.7	72.0	4.0	0.0	13.5	Heavy	
08/18	84.8	73.0	15.8	0.0	9.5	Heavy	
08/19	85.1	74.1	13.3	0.0	8.8		
08/20	88.5	74.8	5.3	0.0	9.8		
08/21	86.1	72.5	15.3	0.0	12.5	Heavy	
08/22	78.4	70.6	10.5	0.0	4.3	Heavy	
08/23	78.9	65.7	9.8	0.0	7.8		60 Heavy
08/24	80.9	69.3	12.3	0.0	10.0		80 Heavy
08/25	79.1	73.2	17.5	0.0	11.3		100 Heavy
08/26	88.7	74.1	5.3	0.0	13.0		90 Heavy
08/27	72.5	69.6	14.5	0.0	20.5	Heavy	100 Heavy
08/28	75.4	70.2	8.8	0.0	14.8	Heavy	100 Heavy
08/29	79.1	65.8	9.0	0.0	7.5		100 Heavy
08/30	82.2	66.3	9.5	0.0	11.0		100 Heavy
08/31	59.4	57.9	0.0	0.0	7.0		90 Heavy

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-15 To 2011-08-31

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/15	67.1	24.0	0.60	24.0	67.1	157 High	186 High
08/16	66.3	13.0	0.00	31.8	65.7	240 High	248 High
08/17	72.0	13.8	0.00	0.0	0.0	0	0
08/18	73.0	12.0	0.01	0.5	69.9	1 Light	3 Light
08/19	74.1	10.8	0.00	8.8	66.6	37 Moderate	65 Moderate
08/20	74.8	9.8	0.00	0.0	0.0	0	0
08/21	72.5	14.8	0.00	0.0	0.0	0	0
08/22	70.6	4.3	0.00	0.0	0.0	0	0
08/23	65.7	8.3	0.00	0.0	0.0	0	0
08/24	69.3	12.0	0.00	0.0	0.0	0	0
08/25	73.2	14.5	0.04	0.0	0.0	0	0
08/26	74.1	13.5	0.00	0.0	0.0	0	0
08/27	69.6	22.3	0.52	10.8	71.7	43 Moderate	78 Moderate
08/28	70.2	15.3	2.26	51.8	71.2	416 High	401 High
08/29	65.8	8.5	0.35	7.5	56.2	25 Light	42 Moderate
08/30	66.3	11.0	0.05	11.8	55.8	47 Moderate	65 Moderate
08/31	57.9	7.0	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