

Windsor 2011 Black Rot - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/22	78.4	63.2	4.3	0.74	
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	88.1	56.6	10.0	1.04	Infection Risk
09/01	82.5	60.4	10.3	1.44	Infection Risk
09/02	82.9	57.5	9.0	1.05	Infection Risk
09/03	87.7	60.2	6.5	0.82	
09/04	86.3	66.8	7.5	1.40	Infection Risk
09/05	85.8	65.8	4.3	0.53	
09/06	71.4	58.7	16.8	2.17	Infection Risk
09/07	64.0	58.0	24.0	4.88	Infection Risk
09/08	59.4	57.8	8.0	5.63	Infection Risk

Windsor 2011 Botrytis - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	88.1	56.6	10.0	9.5	0.00	
09/01	82.5	60.4	10.3	9.3	0.00	
09/02	82.9	57.5	9.0	8.0	0.00	
09/03	87.7	60.2	6.5	3.8	0.00	
09/04	86.3	66.8	7.5	7.3	0.00	
09/05	85.8	65.8	4.3	3.5	0.00	
09/06	71.4	58.7	16.8	19.8	1.68	High Infection Risk
09/07	64.0	58.0	24.0	24.0	2.76	High Infection Risk
09/08	59.4	57.8	8.0	8.0	0.00	

Windsor 2011 Downy Mildew - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH	43-86	66-77	Risk	Warning
08/22	78.4	0.0		4.3	4.3	4.3	1	Primary 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	0.30	11.5	2.0	2.0	3	High Risk of Infection	
08/26	88.7	>min	0.10	13.3	11.3	7.5	3	High Risk of Infection	
08/27	72.5	>min	1.08	21.0	23.3	21.3	3	High Risk of Infection	
08/28	75.4	>min	4.14	14.8	14.8	14.8	3	High Risk of Infection	
08/29	79.1	>min		7.8	3.5	0.0	1	Possible Infection	
08/30	82.2	>min		11.0	9.0	0.0	1	Possible Infection	
08/31	88.1	>min		10.0	8.8	0.0	1	Possible Infection	
09/01	82.5	>min		10.3	8.8	0.0	1	Possible Infection	
09/02	82.9	>min		9.0	7.8	0.0	1	Possible Infection	
09/03	87.7	>min		6.5	2.3	0.0	1	Possible Infection	
09/04	86.3	>min		7.5	6.8	6.8	3	High Risk of Infection	
09/05	85.8	>min		4.3	2.8	2.0	3	High Risk of Infection	
09/06	71.4	>min	1.31	16.8	17.8	0.3	1	Possible Infection	
09/07	64.0	>min	0.87	24.0	24.0	0.0	1	Possible Infection	
09/08	59.4	>min	2.80	8.0	8.0	0.0	1	Possible Infection	

Windsor 2011 Powdery Mildew - Grape From 2011-08-22 To 2011-09-08

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/22	78.4	70.6	10.5	0.0	4.3		
08/23	78.9	65.7	9.8	0.0	7.8		
08/24	80.9	69.3	12.3	0.0	10.0		60 Heavy
08/25	79.1	73.2	17.5	0.0	11.3		80 Heavy
08/26	88.7	74.1	5.3	0.0	13.0		70 Heavy
08/27	72.5	69.6	14.5	0.0	20.5	Heavy	90 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	88.1	69.9	5.3	0.0	9.8		90 Heavy
09/01	82.5	70.0	10.8	0.0	10.3		100 Heavy
09/02	82.9	68.5	10.5	0.0	9.0		100 Heavy
09/03	87.7	72.3	12.5	0.0	6.0		100 Heavy
09/04	86.3	74.9	15.3	0.0	7.3		100 Heavy
09/05	85.8	75.0	19.5	0.0	3.8		100 Heavy
09/06	71.4	62.3	1.0	0.0	16.5	Heavy	90 Heavy
09/07	64.0	60.7	0.0	0.0	24.0	Heavy	80 Heavy
09/08	59.4	58.6	0.0	0.0	8.0	Heavy	70 Heavy

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-22 To 2011-09-08

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	0.30	2.3	71.0	5 Light	15 Light
08/26	74.1	13.5	0.10	10.5	67.1	48 Moderate	79 Moderate
08/27	69.6	22.3	1.08	42.5	68.1	348 High	337 High
08/28	70.2	15.3	4.14	75.8	70.0	751 High	606 High
08/29	65.8	8.5	0.00	0.0	0.0	0	0
08/30	66.3	11.0	0.00	0.0	0.0	0	0
08/31	69.9	10.8	0.00	0.0	0.0	0	0
09/01	70.0	11.0	0.00	0.0	0.0	0	0
09/02	68.5	9.3	0.00	0.0	0.0	0	0
09/03	72.3	8.3	0.00	0.0	0.0	0	0
09/04	74.9	8.0	0.00	0.0	0.0	0	0
09/05	75.0	4.8	0.00	0.0	0.0	0	0
09/06	62.3	19.3	1.31	44.8	61.2	387 High	329 High
09/07	60.7	24.0	0.87	41.3	60.9	343 High	300 High
09/08	58.6	8.0	2.80	49.8	60.5	444 High	360 High

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