

Windsor 2011 Black Rot - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/26	88.7	63.6	13.3	1.40	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	74.7	57.8	14.5	5.84	Infection Risk
09/09	84.9	61.2	10.3	1.65	Infection Risk
09/10	83.3	57.0	9.0	1.30	Infection Risk
09/11	78.1	56.6	4.0	0.40	
09/12	83.9	60.3	6.3	0.59	
09/13	84.6	61.2	9.3	1.79	Infection Risk
09/14	84.7	64.8	7.3	0.94	
09/15	70.8	65.4	8.0	1.69	Infection Risk

Windsor 2011 Botrytis - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	74.7	57.8	14.5	17.0	0.83	Moderate Infection Risk
09/09	84.9	61.2	10.3	10.5	0.00	
09/10	83.3	57.0	9.0	8.5	0.00	
09/11	78.1	56.6	4.0	3.8	0.00	
09/12	83.9	60.3	6.3	5.0	0.00	
09/13	84.6	61.2	9.3	8.5	0.00	
09/14	84.7	64.8	7.3	5.0	0.00	
09/15	70.8	65.4	8.0	7.8	0.00	

Windsor 2011 Downy Mildew - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/26	88.7	0.0	0.10	13.3	11.3	7.5	1	Primary 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	74.7	>min	2.88	14.5	15.5	0.3	1	Possible Infection
09/09	84.9	>min		10.3	10.0	0.5	3	High Risk of Infection
09/10	83.3	>min		9.0	8.5	0.0	1	Possible Infection
09/11	78.1	>min		4.0	3.5	0.0	1	Possible Infection
09/12	83.9	>min		6.3	4.5	0.0	1	Possible Infection
09/13	84.6	>min		9.3	8.5	0.3	1	Possible Infection
09/14	84.7	>min		7.3	4.5	2.3	3	High Risk of Infection
09/15	70.8	>min		8.0	7.8	6.3	3	High Risk of Infection

Windsor 2011 Powdery Mildew - Grape From 2011-08-26 To 2011-09-15

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/26	88.7	74.1	5.3	0.0	13.0		
08/27	72.5	69.6	14.5	0.0	20.5	Heavy	
08/28	75.4	70.2	8.8	0.0	14.8	Heavy	
08/29	79.1	65.8	9.0	0.0	7.5		60 Heavy
08/30	82.2	66.3	9.5	0.0	11.0		80 Heavy
08/31	88.1	69.9	5.3	0.0	9.8		70 Heavy
09/01	82.5	70.0	10.8	0.0	10.3		90 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	74.7	63.8	3.3	0.0	14.3	Heavy	70 Heavy
09/09	84.9	70.5	9.8	0.0	10.3		90 Heavy
09/10	83.3	68.3	9.3	0.0	8.8		100 Heavy
09/11	78.1	65.9	7.8	0.0	3.8		100 Heavy
09/12	83.9	70.6	10.5	0.0	6.3		100 Heavy
09/13	84.6	72.7	14.8	0.0	9.0		100 Heavy
09/14	84.7	74.3	14.5	0.0	7.0		100 Heavy
09/15	70.8	67.8	0.8	0.0	8.0		90 Heavy

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-26 To 2011-09-15

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/26	74.1	13.5	0.10	9.5	66.9	42 Moderate	71 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	63.8	14.8	2.88	51.3	60.5	464 High	371 High
09/09	70.5	10.5	0.00	0.0	0.0	0	0
09/10	68.3	9.8	0.00	0.0	0.0	0	0
09/11	65.9	4.5	0.00	0.0	0.0	0	0
09/12	70.6	7.5	0.00	0.0	0.0	0	0
09/13	72.7	9.5	0.00	0.0	0.0	0	0
09/14	74.3	10.3	0.00	0.0	0.0	0	0
09/15	67.8	8.0	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