

Windsor 2011 Black Rot - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	82.5	60.4	10.3	1.16	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	76.7	49.4	11.3	2.12	Infection Risk
09/16	65.8	41.5		2.12	Infection Risk
09/17	68.4	41.9	3.8	0.20	
09/18	70.5	48.2	10.3	0.53	
09/19	71.3	43.9	4.3	0.17	
09/20	66.6	49.7	18.0	1.73	Infection Risk
09/21	60.2	55.5	6.0	2.25	Infection Risk

Windsor 2011 Botrytis - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	76.7	49.4	11.3	9.3	0.08	Low Infection Risk
09/16	65.8	41.5	5.5	3.3	0.00	
09/17	68.4	41.9	11.3	4.3	0.00	
09/18	70.5	48.2	10.3	8.3	0.00	
09/19	71.3	43.9	11.5	6.8	0.00	
09/20	66.6	49.7	18.0	18.5	1.50	High Infection Risk
09/21	60.2	55.5	6.0	6.0	0.00	

Windsor 2011 Downy Mildew - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	82.5	0.0		10.3	8.8	0.0	1	Primary 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	76.7	>min		11.3	9.0	7.3	3	High Risk of Infection
09/16	65.8	>min		4.0	1.5	0.0	1	Possible Infection
09/17	68.4	>min		10.3	1.5	0.0	1	Possible Infection
09/18	70.5	>min		10.3	7.0	0.0	1	Possible Infection
09/19	71.3	>min		11.5	5.5	0.0	1	Possible Infection
09/20	66.6	>min		18.0	17.5	0.0	1	Possible Infection
09/21	60.2	>min		6.0	6.0	0.0	1	Possible Infection

Windsor 2011 Powdery Mildew - Grape From 2011-09-01 To 2011-09-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	82.5	70.0	10.8	0.0	10.3		
09/02	82.9	68.5	10.5	0.0	9.0		
09/03	87.7	72.3	12.5	0.0	6.0		60 Heavy
09/04	86.3	74.9	15.3	0.0	7.3		80 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	76.7	64.8	5.3	0.0	11.3	Heavy	90 Heavy
09/16	65.8	53.4	0.0	0.0	5.3	Heavy	80 Heavy
09/17	68.4	53.4	0.0	0.0	11.0		70 Heavy
09/18	70.5	56.9	0.3	0.0	10.0		60 Heavy
09/19	71.3	55.7	2.0	0.0	11.3		50 Medium
09/20	66.6	59.1	0.0	0.0	17.5	Heavy	40 Medium
09/21	60.2	57.6	0.0	0.0	6.0	Heavy	30 Light

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-09-01 To 2011-09-21

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	64.8	11.5	0.00	0.0	0.0	0	0
09/16	53.4	6.0	0.00	0.0	0.0	0	0
09/17	53.4	11.3	0.00	0.0	0.0	0	0
09/18	56.9	12.5	0.00	0.0	0.0	0	0
09/19	55.7	11.5	0.00	0.0	0.0	0	0
09/20	59.1	20.0	0.00	0.0	0.0	0	0
09/21	57.6	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