

Windsor 2011 Black Rot - Grape From 2011-07-01 To 2011-07-15

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/01	81.1	52.5	9.8	0.61	
07/02	86.2	58.0	7.3	1.40	Infection Risk
07/03	74.0	62.8	20.3	3.34	Infection Risk
07/04	87.9	65.3	12.3	4.76	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	69.3	56.0	7.8	0.80	

Windsor 2011 Downy Mildew - Grape From 2011-07-01 To 2011-07-15

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/01	81.1	0.0		9.8	0.0	0.0	0	Primary Infection
07/02	86.2	>min		7.3	5.3	0.0	1	Possible Infection
07/03	74.0	>min	0.11	20.3	11.0	7.5	3	High Risk of Infection
07/04	87.9	>min	0.01	12.3	8.0	6.8	3	High Risk of 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	69.3	>min		7.8	4.5	0.0	1	Possible Infection

Windsor 2011 Powdery Mildew - Grape From 2011-07-01 To 2011-07-15

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial	
	High	Mean	70-85	>95	Hours	Infection	Index	
07/01	81.1	68.4	11.5	0.0	9.0			
07/02	86.2	72.3	13.8	0.0	7.3			
07/03	74.0	70.0	13.5	0.0	19.5	Heavy	60	Heavy
07/04	87.9	75.6	5.8	0.0	11.3	Heavy	50	Medium
07/05	90.0	75.7	4.0	0.0	8.8		40	Medium
07/06	91.8	76.7	4.0	0.0	9.0		30	Light
07/07	88.7	75.7	4.8	0.0	9.8		20	Light
07/08	79.0	70.4	6.8	0.0	11.8	Heavy	40	Medium
07/09	86.1	75.4	13.0	0.0	8.0	Heavy	60	Heavy
07/10	87.2	73.7	7.3	0.0	7.5		80	Heavy
07/11	93.9	79.6	5.5	0.0	7.5		70	Heavy
07/12	92.0	82.7	14.3	0.0	0.0		90	Heavy
07/13	90.1	75.2	11.8	0.0	5.0		100	Heavy
07/14	83.9	70.8	10.8	0.0	1.3		100	Heavy
07/15	69.3	59.0	0.0	0.0	7.5		90	Heavy

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-01 To 2011-07-15

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/01	68.4	10.5	0.00	0.0	0.0	0	0
07/02	72.3	8.0	0.00	0.0	0.0	0	0
07/03	70.0	22.8	0.11	13.3	71.7	58 Moderate	96 High
07/04	75.6	13.0	0.01	22.3	70.3	129 High	169 High
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	59.0	7.8	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