

Windsor 2011 Black Rot - Grape From 2011-05-01 To 2011-05-27

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	71.7	41.4		0.00	
05/02	65.4	38.2		0.00	
05/03	77.6	48.1	0.8	0.02	
05/04	62.0	46.8	10.0	0.54	
05/05	62.5	42.1		0.54	
05/06	70.6	41.6		0.00	
05/07	69.4	45.6	8.8	0.52	
05/08	72.8	42.4	1.0	0.56	
05/09	70.3	49.9	0.8	0.05	
05/10	70.3	51.2		0.00	
05/11	68.1	51.6		0.00	
05/12	74.9	47.6		0.00	
05/13	72.2	44.6	2.3	0.10	
05/14	67.6	53.8	1.3	0.10	
05/15	65.4	52.6	23.8	2.39	Infection Risk
05/16	55.4	49.1	21.3	3.54	Infection Risk
05/17	56.3	49.0	21.8	4.72	Infection Risk
05/18	63.6	51.6	15.5	5.42	Infection Risk
05/19	67.2	55.2	17.8	2.04	Infection Risk
05/20	73.9	55.4	12.5	2.85	Infection Risk
05/21	76.4	55.0	12.5	1.10	Infection Risk
05/22	66.5	52.8	6.0	0.93	
05/23	63.0	51.4	17.8	1.57	Infection Risk
05/24	79.6	63.1	10.3	2.71	Infection Risk
05/25	83.0	55.4	6.5	0.83	
05/26	83.1	55.3	10.8	0.79	
05/27	73.4	63.8	8.8	1.84	

Windsor 2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-27

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	71.7	0.0		0.8	0.0	0.0	0	Primary Infection
05/02	65.4	>min		0.8	0.3	0.0	0	
05/03	77.6	>min		0.8	0.0	0.0	0	
05/04	62.0	>min	0.34	11.3	0.3	0.0	0	
05/05	62.5	>min		0.8	0.0	0.0	0	
05/06	70.6	>min			0.0	0.0	0	
05/07	69.4	>min	0.09	11.5	4.8	0.0	1	Possible Infection
05/08	72.8	>min		6.5	5.5	0.0	1	Possible Infection
05/09	70.3	>min		0.8	0.0	0.0	0	
05/10	70.3	>min			0.0	0.0	0	
05/11	68.1	>min			0.0	0.0	0	
05/12	74.9	>min		0.3	0.0	0.0	0	
05/13	72.2	>min		7.8	5.3	0.0	1	Possible Infection
05/14	67.6	>min	0.05	1.3	0.0	0.0	0	
05/15	65.4	>min	0.76	23.8	23.8	0.0	1	Possible Infection
05/16	55.4	>min	0.06	21.3	24.0	0.0	1	Possible Infection
05/17	56.3	>min	0.83	21.8	24.0	0.0	1	Possible Infection
05/18	63.6	>min	0.34	15.5	23.5	0.0	1	Possible Infection
05/19	67.2	>min	1.11	17.8	22.8	0.8	3	High Risk of Infection
05/20	73.9	>min	0.01	12.5	12.8	0.0	1	Possible Infection
05/21	76.4	>min		12.5	12.0	0.0	1	Possible Infection
05/22	66.5	>min		6.0	1.5	0.0	1	Possible Infection
05/23	63.0	>min	0.35	17.8	20.5	0.0	1	Possible Infection
05/24	79.6	>min	0.02	10.3	10.3	1.0	3	High Risk of Infection
05/25	83.0	>min		6.5	1.5	0.0	1	Possible Infection
05/26	83.1	>min		10.8	7.5	0.0	1	Possible Infection
05/27	73.4	>min		8.8	8.8	1.0	3	High Risk of Infection

Windsor 2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-27

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/01	71.7	55.1	2.5	0.0	1.5		
05/02	65.4	52.2	0.0	0.0	7.5		
05/03	77.6	62.0	7.3	0.0	0.8		
05/04	62.0	53.1	0.0	0.0	10.5		
05/05	62.5	51.0	0.0	0.0	0.0		
05/06	70.6	57.1	1.0	0.0	0.0		
05/07	69.4	55.9	0.0	0.0	11.3		
05/08	72.8	57.6	1.8	0.0	7.5		
05/09	70.3	60.7	0.5	0.0	0.5		
05/10	70.3	59.9	0.3	0.0	0.0		
05/11	68.1	57.9	0.0	0.0	0.0		
05/12	74.9	60.8	5.0	0.0	0.3		
05/13	72.2	59.5	2.5	0.0	7.5		
05/14	67.6	59.5	0.0	0.0	1.3		
05/15	65.4	58.4	0.0	0.0	23.8	Heavy	
05/16	55.4	52.6	0.0	0.0	21.3	Heavy	
05/17	56.3	52.2	0.0	0.0	21.3	Heavy	
05/18	63.6	57.2	0.0	0.0	15.0	Heavy	
05/19	67.2	60.0	0.0	0.0	17.8	Heavy	
05/20	73.9	62.9	3.0	0.0	12.3	Heavy	
05/21	76.4	63.2	5.8	0.0	12.5		
05/22	66.5	58.4	0.0	0.0	4.8		
05/23	63.0	56.5	0.0	0.0	17.8	Heavy	
05/24	79.6	69.3	10.0	0.0	10.3	Heavy	
05/25	83.0	69.4	11.3	0.0	6.5		
05/26	83.1	68.1	10.8	0.0	9.5		60 Heavy
05/27	73.4	65.6	0.5	0.0	8.3		50 Medium

Windsor 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-27

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/01	55.1	2.5	0.00	0.0	0.0	0	0
05/02	52.2	2.3	0.00	0.0	0.0	0	0
05/03	62.0	1.3	0.00	0.0	0.0	0	0
05/04	53.1	15.3	0.34	9.5	50.2	20 Light	31 Moderate
05/05	51.0	1.8	0.00	0.0	0.0	0	0
05/06	57.1	0.0	0.00	0.0	0.0	0	0
05/07	55.9	11.5	0.09	3.3	58.5	8 Light	20 Light
05/08	57.6	7.5	0.00	0.0	0.0	0	0
05/09	60.7	1.3	0.00	0.0	0.0	0	0
05/10	59.9	0.0	0.00	0.0	0.0	0	0
05/11	57.9	0.0	0.00	0.0	0.0	0	0
05/12	60.8	0.3	0.00	0.0	0.0	0	0
05/13	59.5	7.8	0.00	0.0	0.0	0	0
05/14	59.5	1.3	0.05	0.8	54.5	1 Light	3 Light
05/15	58.4	23.8	0.76	33.8	57.0	226 High	207 High
05/16	52.6	22.8	0.06	41.0	55.6	276 High	234 High
05/17	52.2	22.0	0.83	43.5	51.1	201 High	170 High
05/18	57.2	15.8	0.34	41.8	52.6	224 High	190 High
05/19	60.0	18.3	1.11	17.8	57.3	92 High	108 High
05/20	62.9	12.8	0.01	10.3	59.8	46 Moderate	68 Moderate
05/21	63.2	12.8	0.00	0.0	0.0	0	0
05/22	58.4	6.8	0.00	0.0	0.0	0	0
05/23	56.5	18.5	0.35	14.3	57.3	67 Moderate	86 Moderate
05/24	69.3	11.5	0.02	17.5	62.4	103 High	127 High
05/25	69.4	6.8	0.00	0.0	0.0	0	0
05/26	68.1	11.5	0.00	0.0	0.0	0	0
05/27	65.6	9.0	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