

Windsor 2010 Black Rot - Grape From 2010-05-06 To 2010-05-26

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/06	78.3	56.4	2.8	0.25	
05/07	71.6	47.8		0.00	
05/08	74.3	50.6	8.3	0.53	
05/09	51.4	41.2		0.00	
05/10	57.3	38.6		0.00	
05/11	57.9	32.3		0.00	
05/12	48.9	40.0	0.5	0.02	
05/13	67.9	33.9	0.5	0.04	
05/14	79.0	48.2	8.0	0.31	
05/15	71.3	52.2	5.8	0.62	
05/16	73.9	44.6		0.00	
05/17	77.8	40.9	0.3	0.01	
05/18	59.4	49.6	10.8	0.58	
05/19	60.6	48.6	13.0	0.88	
05/20	84.5	50.0	11.3	1.00	
05/21	86.9	55.1	7.8	0.95	
05/22	78.0	52.1	3.5	0.17	
05/23	78.8	58.3	6.3	0.40	
05/24	81.7	57.7	8.5	1.18	Infection Risk
05/25	90.3	59.1	8.3	1.04	Infection Risk
05/26	85.6	59.7	6.5	0.82	

Windsor 2010 Downy Mildew - Grape From 2010-05-06 To 2010-05-26

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/06	78.3	0.0		2.8	0.0	0.0	0	Primary Infection
05/07	71.6	>min			0.0	0.0	0	
05/08	74.3	>min	0.35	8.3	0.0	0.0	0	
05/09	51.4	>min			0.0	0.0	0	
05/10	57.3	>min			0.0	0.0	0	
05/11	57.9	>min			0.0	0.0	0	
05/12	48.9	>min	0.21	10.0	0.3	0.0	0	
05/13	67.9	>min		1.3	0.0	0.0	0	
05/14	79.0	>min	0.39	8.0	0.0	0.0	0	
05/15	71.3	>min	0.01	5.8	0.3	0.0	0	
05/16	73.9	>min		2.8	0.0	0.0	0	
05/17	77.8	>min		1.5	0.0	0.0	0	
05/18	59.4	>min	0.86	10.8	5.8	0.0	1	Possible Infection
05/19	60.6	>min	0.10	13.0	12.5	0.0	1	Possible Infection
05/20	84.5	>min	0.01	11.3	7.8	0.0	1	Possible Infection
05/21	86.9	>min		7.8	2.8	0.0	1	Possible Infection
05/22	78.0	>min		3.5	0.0	0.0	0	
05/23	78.8	>min		6.3	0.8	0.0	1	Possible Infection
05/24	81.7	>min		8.5	7.3	0.0	1	Possible Infection
05/25	90.3	>min		8.3	6.0	0.0	1	Possible Infection
05/26	85.6	>min		6.5	1.3	0.0	1	Possible Infection

Windsor 2010 Powdery Mildew - Grape From 2010-05-06 To 2010-05-26

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
05/06	78.3	65.5	7.5	0.0	2.8		
05/07	71.6	60.1	4.5	0.0	0.0		
05/08	74.3	58.7	2.5	0.0	8.3		
05/09	51.4	45.9	0.0	0.0	0.0		
05/10	57.3	48.4	0.0	0.0	0.0		
05/11	57.9	47.7	0.0	0.0	4.3		
05/12	48.9	45.5	0.0	0.0	13.5		
05/13	67.9	52.1	0.0	0.0	8.8		
05/14	79.0	61.5	6.5	0.0	7.8		
05/15	71.3	62.6	3.0	0.0	5.8		
05/16	73.9	59.6	5.3	0.0	2.8		
05/17	77.8	60.4	7.0	0.0	5.0		
05/18	59.4	53.5	0.0	0.0	10.8		
05/19	60.6	54.4	0.0	0.0	13.0		
05/20	84.5	66.4	9.5	0.0	11.3		
05/21	86.9	68.5	4.8	0.0	7.8		
05/22	78.0	64.3	8.0	0.0	3.5		
05/23	78.8	66.3	8.0	0.0	5.8		
05/24	81.7	69.2	12.0	0.0	8.5		60 Heavy
05/25	90.3	74.0	5.3	0.0	8.3		50 Medium
05/26	85.6	67.6	3.0	0.0	6.3		40 Medium

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Windsor 2010 Phomopsis Cane+Leaf Spot - Grape From 2010-05-06 To 2010-05-26

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
05/06	65.5	4.0	0.00	0.0	0.0	0	0
05/07	60.1	0.0	0.00	0.0	0.0	0	0
05/08	58.7	8.3	0.35	8.3	54.2	25 Light	40 Moderate
05/09	45.9	0.0	0.00	0.0	0.0	0	0
05/10	48.4	0.0	0.00	0.0	0.0	0	0
05/11	47.7	0.0	0.00	0.0	0.0	0	0
05/12	45.5	13.0	0.21	8.0	43.9	3 Light	5 Light
05/13	52.1	1.5	0.00	0.0	0.0	0	0
05/14	61.5	8.3	0.39	7.0	49.3	11 Light	20 Light
05/15	62.6	5.8	0.01	5.8	57.4	18 Light	34 Moderate
05/16	59.6	3.0	0.00	0.0	0.0	0	0
05/17	60.4	5.0	0.00	0.0	0.0	0	0
05/18	53.5	11.5	0.86	11.3	52.3	33 Moderate	47 Moderate
05/19	54.4	13.3	0.10	21.8	51.8	80 Moderate	88 Moderate
05/20	66.4	11.3	0.01	13.5	54.3	52 Moderate	68 Moderate
05/21	68.5	7.8	0.00	0.0	0.0	0	0
05/22	64.3	4.3	0.00	0.0	0.0	0	0
05/23	66.3	7.5	0.00	0.0	0.0	0	0
05/24	69.2	9.3	0.00	0.0	0.0	0	0
05/25	74.0	8.3	0.00	0.0	0.0	0	0
05/26	67.6	7.0	0.00	0.0	0.0	0	0

Leaf Wetness Sensor Parameters:

Base Temperature 41.0
 Upper Temperature 95.9
 Wetness Threshold 3.0

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