

Windsor\_Risk\_6\_1\_6\_26\_2009.txt

Windsor, CT Black Rot - Grape From 2009-06-01 To 2009-06-26

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	71.9	40.0	1.3	0.22	
06/02	82.1	53.6	16.0	2.08	Infection Risk
06/03	69.5	55.0	22.3	4.65	Infection Risk
06/04	76.1	55.0	24.0	7.57	Infection Risk
06/05	64.0	55.4	24.0	9.89	Infection Risk
06/06	83.1	51.2	24.0	12.84	Infection Risk
06/07	84.9	54.3	24.0	15.95	Infection Risk
06/08	78.5	59.9	24.0	19.46	Infection Risk
06/09	61.8	55.3	24.0	21.58	Infection Risk
06/10	68.7	54.8	24.0	24.43	Infection Risk
06/11	64.9	57.6	24.0	27.26	Infection Risk
06/12	77.9	61.9	24.0	30.96	Infection Risk
06/13	81.1	60.8	24.0	34.57	Infection Risk
06/14	74.9	56.6	24.0	37.71	Infection Risk
06/15	73.4	54.7	24.0	40.57	Infection Risk
06/16	72.0	54.2	24.0	43.31	Infection Risk
06/17	73.7	48.7	24.0	45.93	Infection Risk
06/18	64.4	55.5	24.0	48.59	Infection Risk
06/19	81.1	62.3	24.0	52.16	Infection Risk
06/20	76.8	60.6	24.0	55.98	Infection Risk
06/21	72.6	63.7	24.0	59.86	Infection Risk
06/22	69.9	63.8	24.0	63.64	Infection Risk
06/23	77.1	63.9	24.0	67.50	Infection Risk
06/24	73.1	64.9	24.0	71.50	Infection Risk
06/25	83.0	64.2	24.0	75.12	Infection Risk
06/26	68.1	63.9	7.8	76.31	Infection Risk

Windsor, CT Botrytis - Grape From 2009-06-01 To 2009-06-26

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
06/01	71.9	40.0	1.3		0.00	
06/02	82.1	53.6	16.0		0.80	Moderate Infection Risk
06/03	69.5	55.0	22.3	1.8	2.21	High Infection Risk
06/04	76.1	55.0	24.0	8.3	2.80	High Infection Risk
06/05	64.0	55.4	24.0	5.0	2.57	High Infection Risk
06/06	83.1	51.2	24.0	1.8	2.75	High Infection Risk
06/07	84.9	54.3	24.0	5.0	2.77	High Infection Risk
06/08	78.5	59.9	24.0		3.02	High Infection Risk
06/09	61.8	55.3	24.0	2.5	2.44	High Infection Risk
06/10	68.7	54.8	24.0	7.5	2.90	High Infection Risk
06/11	64.9	57.6	24.0	8.0	2.85	High Infection Risk
06/12	77.9	61.9	24.0	12.8	3.14	High Infection Risk
06/13	81.1	60.8	24.0		3.04	High Infection Risk
06/14	74.9	56.6	24.0	7.8	2.85	High Infection Risk
06/15	73.4	54.7	24.0	7.3	2.69	High Infection Risk
06/16	72.0	54.2	24.0	8.0	2.73	High Infection Risk
06/17	73.7	48.7	24.0	8.3	2.75	High Infection Risk
06/18	64.4	55.5	24.0	15.8	2.84	High Infection Risk
06/19	81.1	62.3	24.0	10.0	3.01	High Infection Risk
06/20	76.8	60.6	24.0	9.8	3.25	High Infection Risk
06/21	72.6	63.7	24.0	8.5	3.34	High Infection Risk
06/22	69.9	63.8	24.0	2.0	3.32	High Infection Risk
06/23	77.1	63.9	24.0		3.24	High Infection Risk
06/24	73.1	64.9	24.0	0.8	3.36	High Infection Risk
06/25	83.0	64.2	24.0	7.0	2.83	High Infection Risk
06/26	68.1	63.9	7.8	4.3	0.00	

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Windsor, CT Downy Mildew - Grape From 2009-06-01 To 2009-06-26

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/01	71.9	0.0		1.3	0.0	0.0	0	Primary Infection
06/02	82.1	>min		16.0	0.0	0.0	0	
06/03	69.5	>min	0.05	22.3	0.0	0.0	0	
06/04	76.1	>min	0.06	24.0	6.5	0.0	1	Possible Infection
06/05	64.0	>min	0.07	24.0	0.0	0.0	0	
06/06	83.1	>min		24.0	0.5	0.0	1	Possible Infection
06/07	84.9	>min		24.0	4.3	0.0	1	Possible Infection
06/08	78.5	>min		24.0	0.0	0.0	0	
06/09	61.8	>min	0.38	24.0	0.8	0.0	1	Possible Infection
06/10	68.7	>min		24.0	6.0	0.0	1	Possible Infection
06/11	64.9	>min	0.48	24.0	7.0	0.0	1	Possible Infection
06/12	77.9	>min	0.81	24.0	11.0	3.0	3	High Risk of Infection
06/13	81.1	>min	0.06	24.0	0.0	0.0	0	
06/14	74.9	>min	0.80	24.0	6.3	0.0	1	Possible Infection
06/15	73.4	>min	0.37	24.0	4.0	0.0	1	Possible Infection
06/16	72.0	>min		24.0	6.8	0.0	1	Possible Infection
06/17	73.7	>min		24.0	7.8	0.0	1	Possible Infection
06/18	64.4	>min	1.25	24.0	11.5	0.0	1	Possible Infection
06/19	81.1	>min	0.22	24.0	9.8	0.3	1	Possible Infection
06/20	76.8	>min	0.14	24.0	8.3	2.0	3	High Risk of Infection
06/21	72.6	>min	0.30	24.0	8.0	0.0	1	Possible Infection
06/22	69.9	>min	0.06	24.0	0.5	0.0	1	Possible Infection
06/23	77.1	>min		24.0	0.0	0.0	0	
06/24	73.1	>min	0.02	24.0	0.0	0.0	0	
06/25	83.0	>min	0.02	24.0	6.3	0.3	1	Possible Infection
06/26	68.1	>min		7.8	2.8	0.0	1	Possible Infection

Windsor, CT Powdery Mildew - Grape From 2009-06-01 To 2009-06-26

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/01	71.9	57.3	3.0	0.0	0.0		
06/02	82.1	65.7	7.5	0.0	3.3		
06/03	69.5	60.8	0.0	0.0	11.0		
06/04	76.1	63.5	6.3	0.0	18.5	Heavy	
06/05	64.0	58.8	0.0	0.0	24.0	Heavy	
06/06	83.1	66.7	9.3	0.0	21.8	Heavy	
06/07	84.9	70.1	12.8	0.0	16.5	Heavy	
06/08	78.5	67.8	9.0	0.0	7.0	Heavy	60 Heavy
06/09	61.8	57.8	0.0	0.0	21.0	Heavy	50 Medium
06/10	68.7	61.3	0.0	0.0	24.0	Heavy	40 Medium
06/11	64.9	61.3	0.0	0.0	24.0	Heavy	30 Light
06/12	77.9	68.4	5.3	0.0	24.0	Heavy	20 Light
06/13	81.1	68.9	8.8	0.0	24.0	Heavy	40 Medium
06/14	74.9	63.7	3.8	0.0	24.0	Heavy	30 Light
06/15	73.4	62.1	3.8	0.0	24.0	Heavy	20 Light
06/16	72.0	61.3	2.3	0.0	22.8	Heavy	10 Light
06/17	73.7	60.5	4.8	0.0	19.3	Heavy	0
06/18	64.4	60.3	0.0	0.0	24.0	Heavy	0
06/19	81.1	69.1	9.5	0.0	24.0	Heavy	20 Light
06/20	76.8	67.7	7.5	0.0	24.0	Heavy	40 Medium
06/21	72.6	67.1	2.8	0.0	24.0	Heavy	30 Light
06/22	69.9	66.1	0.0	0.0	24.0	Heavy	20 Light
06/23	77.1	68.8	9.5	0.0	24.0	Heavy	40 Medium
06/24	73.1	68.2	6.3	0.0	24.0	Heavy	60 Heavy
06/25	83.0	72.2	14.5	0.0	24.0	Heavy	80 Heavy

06/26 68.1 65.5 0.0 0.0 8.3 Heavy 70 Heavy

Leaf Wetness Sensor Parameters:  
 Base Temperature 0.0  
 Upper Temperature 100.0  
 Wetness Threshold 6.0

Windsor, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-01 To 2009-06-26

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensi ty Seyval
06/01	57.3	22.0	0.00	0.0	0.0	0	0
06/02	65.7	24.0	0.00	0.0	0.0	0	0
06/03	60.8	24.0	0.05	8.8	58.7	35 Moderate	55 Moderate
06/04	63.5	24.0	0.06	32.8	62.2	251 Hi gh	244 Hi gh
06/05	58.8	24.0	0.07	56.8	60.7	539 Hi gh	415 Hi gh
06/06	66.7	24.0	0.00	80.8	62.5	915 Hi gh	627 Hi gh
06/07	70.1	24.0	0.00	104.8	64.3	1334 Hi gh	846 Hi gh
06/08	67.8	24.0	0.00	128.8	64.9	1786 Hi gh	1057 Hi gh
06/09	57.8	24.0	0.38	152.8	63.8	2289 Hi gh	1245 Hi gh
06/10	61.3	24.0	0.00	176.8	63.4	2818 Hi gh	1441 Hi gh
06/11	61.3	24.0	0.48	200.8	63.2	3378 Hi gh	1638 Hi gh
06/12	68.4	24.0	0.81	224.8	63.7	3976 Hi gh	1859 Hi gh
06/13	68.9	24.0	0.06	248.8	64.2	4594 Hi gh	2080 Hi gh
06/14	63.7	24.0	0.80	272.8	64.2	5242 Hi gh	2288 Hi gh
06/15	62.1	24.0	0.37	296.8	64.0	5915 Hi gh	2492 Hi gh
06/16	61.3	24.0	0.00	320.8	63.8	6611 Hi gh	2694 Hi gh
06/17	60.5	24.0	0.00	344.8	63.6	7329 Hi gh	2893 Hi gh
06/18	60.3	24.0	1.25	368.8	63.4	8065 Hi gh	3092 Hi gh
06/19	69.1	24.0	0.22	392.8	63.7	8832 Hi gh	3321 Hi gh
06/20	67.7	24.0	0.14	416.8	64.0	9614 Hi gh	3544 Hi gh
06/21	67.1	24.0	0.30	440.8	64.1	10413 Hi gh	3766 Hi gh
06/22	66.1	24.0	0.06	464.8	64.2	11231 Hi gh	3985 Hi gh
06/23	68.8	24.0	0.00	488.8	64.5	12062 Hi gh	4211 Hi gh
06/24	68.2	24.0	0.02	512.8	64.6	12908 Hi gh	4435 Hi gh
06/25	72.2	24.0	0.02	536.8	65.0	13755 Hi gh	4668 Hi gh
06/26	65.5	7.8	0.00	545.0	65.0	14057 Hi gh	4743 Hi gh

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