

Colchester\_Risk\_5\_21.txt

Colchester, CT Black Rot - Grape From 2009-05-01 To 2009-05-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	64.9	50.1	24.0	2.13	Infection Risk
05/02	65.0	50.4	12.0	3.13	Infection Risk
05/03	59.7	43.7	8.0	3.21	Infection Risk
05/04	60.5	48.7	12.3	0.56	
05/05	52.1	46.4	17.8	1.05	Infection Risk
05/06	66.7	44.5	0.3	1.05	Infection Risk
05/07	69.8	48.9	21.3	1.85	Infection Risk
05/08	72.1	51.4	8.3	2.41	Infection Risk
05/09	69.0	55.0	10.0	0.68	
05/10	64.0	47.3	0.5	0.24	
05/11	62.9	41.2		0.00	
05/12	62.5	42.2	5.3	0.21	
05/13	66.2	38.4	4.8	0.23	
05/14	60.7	48.7	16.5	1.29	Infection Risk
05/15	77.2	54.1	18.0	3.10	Infection Risk
05/16	71.6	50.6	20.5	4.97	Infection Risk
05/17	60.0	47.2	13.5	5.96	Infection Risk
05/18	54.5	44.0		0.00	
05/19	67.3	38.2		0.00	
05/20	80.9	41.5	3.0	0.48	
05/21	81.3	55.9	1.3	0.19	

Colchester, CT Botrytis - Grape From 2009-05-01 To 2009-05-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
05/01	64.9	50.1	24.0	19.8	2.72	High Infection Risk
05/02	65.0	50.4	12.0	5.5	0.00	
05/03	59.7	43.7	13.5	9.0	0.00	
05/04	60.5	48.7	12.3	12.0	0.00	
05/05	52.1	46.4	19.8	4.3	1.51	High Infection Risk
05/06	66.7	44.5	8.8	8.5	0.00	
05/07	69.8	48.9	21.3	20.3	1.98	High Infection Risk
05/08	72.1	51.4	8.3	6.3	0.00	
05/09	69.0	55.0	10.0	7.8	0.00	
05/10	64.0	47.3	0.5		0.00	
05/11	62.9	41.2	1.3		0.00	
05/12	62.5	42.2	12.3	3.5	0.00	
05/13	66.2	38.4	11.8	7.8	0.00	
05/14	60.7	48.7	16.5	1.8	1.04	High Infection Risk
05/15	77.2	54.1	18.0	11.3	1.39	High Infection Risk
05/16	71.6	50.6	20.5	16.0	1.89	High Infection Risk
05/17	60.0	47.2	13.5	8.5	0.00	
05/18	54.5	44.0			0.00	
05/19	67.3	38.2			0.00	
05/20	80.9	41.5	6.0		0.00	
05/21	81.3	55.9	1.3		0.00	

Colchester, CT Downy Mildew - Grape From 2009-05-01 To 2009-05-21

Date	High Temp	Deg Hrs<43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	64.9	0.0	0.13	24.0	18.0	0.0	1	Primary Infection
05/02	65.0	>min	0.07	12.0	4.3	0.0	1	Possible Infection
05/03	59.7	>min	0.07	13.5	5.8	0.0	1	Possible Infection
05/04	60.5	>min	0.01	12.3	9.0	0.0	1	Possible Infection

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05/05	52.1	>min	0.07	19.8	1.0	0.0	1	Possible	Infection
05/06	66.7	>min	0.38	8.8	8.3	0.0	1	Possible	Infection
05/07	69.8	>min	0.48	21.3	19.3	0.0	1	Possible	Infection
05/08	72.1	>min		8.3	6.0	0.0	1	Possible	Infection
05/09	69.0	>min	0.11	10.0	6.8	0.0	1	Possible	Infection
05/10	64.0	>min		0.5	0.0	0.0	0		
05/11	62.9	>min		1.3	0.0	0.0	0		
05/12	62.5	>min	0.33	12.0	2.8	0.0	1	Possible	Infection
05/13	66.2	>min		6.0	1.8	0.0	1	Possible	Infection
05/14	60.7	>min	0.40	16.5	1.3	0.0	1	Possible	Infection
05/15	77.2	>min		18.0	10.5	0.0	1	Possible	Infection
05/16	71.6	>min		20.5	15.5	0.0	1	Possible	Infection
05/17	60.0	>min	0.41	13.5	8.3	0.0	1	Possible	Infection
05/18	54.5	>min			0.0	0.0	0		
05/19	67.3	>min			0.0	0.0	0		
05/20	80.9	>min		5.5	0.0	0.0	0		
05/21	81.3	>min		1.3	0.0	0.0	0		

Colchester, CT Powdery Mildew - Grape From 2009-05-01 To 2009-05-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
05/01	64.9	57.5	0.0	0.0	22.3	Heavy	
05/02	65.0	57.3	0.0	0.0	8.3	Heavy	
05/03	59.7	50.6	0.0	0.0	13.5		
05/04	60.5	53.1	0.0	0.0	12.0		
05/05	52.1	50.4	0.0	0.0	18.3	Heavy	
05/06	66.7	53.0	0.0	0.0	8.5	Heavy	
05/07	69.8	58.2	0.0	0.0	19.5	Heavy	
05/08	72.1	61.9	2.0	0.0	6.5	Heavy	
05/09	69.0	62.0	0.0	0.0	9.3		
05/10	64.0	57.7	0.0	0.0	0.5		
05/11	62.9	52.1	0.0	0.0	1.0		
05/12	62.5	50.3	0.0	0.0	11.8		
05/13	66.2	53.3	0.0	0.0	12.3		
05/14	60.7	55.2	0.0	0.0	15.8	Heavy	
05/15	77.2	62.6	6.0	0.0	13.0	Heavy	
05/16	71.6	59.2	0.8	0.0	17.3	Heavy	
05/17	60.0	53.2	0.0	0.0	12.0	Heavy	
05/18	54.5	48.3	0.0	0.0	0.0		
05/19	67.3	53.1	0.0	0.0	0.5		
05/20	80.9	62.8	8.8	0.0	2.5		
05/21	81.3	65.5	4.0	0.0	0.0		

Leaf Wetness Sensor Parameters:

Base Temperature 0.0  
 Upper Temperature 100.0  
 Wetness Threshold 6.0

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-05-01 To 2009-05-21

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
05/01	57.5	24.0	0.13	21.5	58.1	125 High	137 High
05/02	57.3	23.5	0.07	42.8	58.0	331 High	278 High
05/03	50.6	17.0	0.07	7.5	49.6	13 Light	22 Light
05/04	53.1	22.3	0.01	23.5	52.0	92 High	98 High
05/05	50.4	24.0	0.07	23.5	50.4	75 Moderate	82 Moderate
05/06	53.0	21.0	0.38	41.8	51.3	194 High	166 High
05/07	58.2	24.0	0.48	24.3	58.1	148 High	155 High
05/08	61.9	19.3	0.00	43.0	59.8	354 High	302 High

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05/09	62.0	24.0	0.11	21.3	62.6	136	High	157	High
05/10	57.7	15.5	0.00	24.8	62.3	168	High	182	High
05/11	52.1	2.3	0.00	0.0	0.0	0		0	
05/12	50.3	15.0	0.33	9.5	48.2	14	Light	23	Light
05/13	53.3	12.5	0.00	19.8	47.4	34	Moderate	42	Moderate
05/14	55.2	24.0	0.40	14.5	57.6	69	Moderate	89	Moderate
05/15	62.6	24.0	0.00	38.5	60.7	309	High	277	High
05/16	59.2	24.0	0.00	62.5	60.1	610	High	450	High
05/17	53.2	21.8	0.41	78.3	59.0	816	High	546	High
05/18	48.3	11.0	0.00	0.0	0.0	0		0	
05/19	53.1	11.8	0.00	0.0	0.0	0		0	
05/20	62.8	15.3	0.00	0.0	0.0	0		0	
05/21	65.5	6.3	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