

Colchester_Risk_529.txt

Colchester, CT Black Rot - Grape From 2009-05-01 To 2009-05-29

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	83.3	55.9	1.3	0.19	
05/22	83.6	58.5	1.3	0.09	
05/23	66.8	53.6	5.5	0.56	
05/24	78.4	51.6	21.5	2.49	Infection Risk
05/25	76.5	57.5	13.8	4.27	Infection Risk
05/26	61.2	44.4	1.3	0.05	
05/27	57.9	44.3	14.0	1.11	Infection Risk
05/28	57.2	49.1	23.5	2.48	Infection Risk
05/29	50.1	48.8	7.8	2.80	Infection Risk

Colchester, CT Botrytis - Grape From 2009-05-01 To 2009-05-29

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	83.3	55.9	1.3		0.00	
05/22	83.6	58.5	1.3		0.00	
05/23	66.8	53.6	5.5		0.00	

Colchester_Risk_529.txt

05/24	78.4	51.6	21.5	12.5	2.27	High	Infection	Risk
05/25	76.5	57.5	13.8	4.0	0.50	Low	Infection	Risk
05/26	61.2	44.4	2.3		0.00			
05/27	57.9	44.3	22.0	7.3	2.02	High	Infection	Risk
05/28	57.2	49.1	23.5	15.5	2.11	High	Infection	Risk
05/29	50.1	48.8	7.8	7.8	0.00			

Colchester, CT Downy Mildew - Grape From 2009-05-01 To 2009-05-29

Date	High Temp	Deg Hrs43	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
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	83.3	>min		1.3	0.0	0.0	0	
05/22	83.6	>min		1.3	0.0	0.0	0	
05/23	66.8	>min		5.5	0.0	0.0	0	
05/24	78.4	>min	0.43	21.5	10.8	0.3	1	Possible Infection
05/25	76.5	>min	0.01	13.8	3.3	0.0	1	Possible Infection
05/26	61.2	>min		2.3	0.0	0.0	0	
05/27	57.9	>min	0.06	22.0	5.3	0.0	1	Possible Infection
05/28	57.2	>min		23.5	14.5	0.0	1	Possible Infection
05/29	50.1	>min	0.06	7.8	7.8	0.0	1	Possible Infection

Colchester, CT Powdery Mildew - Grape From 2009-05-01 To 2009-05-29

Date	Temperature High	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	

Colchester_Risk_529.txt

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	83.3	68.2	10.3	0.0	0.0		
05/22	83.6	69.6	11.3	0.0	0.5		60 Heavy
05/23	66.8	61.3	0.0	0.0	3.8		50 Medium
05/24	78.4	62.6	5.5	0.0	17.8	Heavy	40 Medium
05/25	76.5	66.1	8.5	0.0	8.0	Heavy	60 Heavy
05/26	61.2	52.5	0.0	0.0	2.3		50 Medium
05/27	57.9	52.4	0.0	0.0	19.3	Heavy	40 Medium
05/28	57.2	53.0	0.0	0.0	16.8	Heavy	30 Light
05/29	50.1	49.2	0.0	0.0	8.3	Heavy	20 Light

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 2009-05-29

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity	
						Catawba	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
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	68.2	10.5	0.00	0.0	0.0	0	0
05/22	69.6	12.0	0.00	0.0	0.0	0	0
05/23	61.3	19.0	0.00	0.0	0.0	0	0
05/24	62.6	24.0	0.43	17.0	66.7	97 High	130 High
05/25	66.1	19.3	0.01	36.3	66.9	285 High	286 High
05/26	52.5	8.5	0.00	0.0	0.0	0	0
05/27	52.4	24.0	0.06	23.5	52.5	98 High	104 High
05/28	53.0	24.0	0.00	47.5	52.8	274 High	221 High
05/29	49.2	7.8	0.06	55.8	52.3	327 High	248 High

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