

Hamden\_Risk\_5\_21

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	69.3	50.9	20.0	1.77	Infection Risk
05/02	67.7	49.2	11.3	2.41	Infection Risk
05/03	61.2	45.0	14.3	0.90	
05/04	60.6	50.5	19.8	2.13	Infection Risk
05/05	54.4	49.2	22.5	3.34	Infection Risk
05/06	66.1	47.0	3.3	3.42	Infection Risk
05/07	70.2	50.4	19.8	1.75	Infection Risk
05/08	73.0	47.9	8.0	2.20	Infection Risk
05/09	71.7	55.7	12.5	0.81	
05/10	67.2	49.8		0.00	
05/11	64.2	38.9	0.8	0.03	
05/12	66.9	42.5	5.0	0.26	
05/13	69.0	37.1	5.0	0.33	
05/14	64.1	47.7	17.5	1.50	Infection Risk
05/15	77.2	54.6	13.0	2.18	Infection Risk
05/16	67.3	50.9	16.5	1.80	Infection Risk
05/17	60.6	48.9	8.8	2.60	Infection Risk
05/18	57.0	46.1		0.00	
05/19	67.7	36.1		0.00	
05/20	80.5	42.2	1.8	0.10	
05/21	77.0	49.0	5.0	0.23	

Hamden, 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	69.3	50.9	20.0	18.8	1.82	High Infection Risk
05/02	67.7	49.2	11.3	6.0	0.00	
05/03	61.2	45.0	20.0	11.8	1.55	High Infection Risk
05/04	60.6	50.5	19.8	14.5	1.51	High Infection Risk
05/05	54.4	49.2	22.5	13.0	1.92	High Infection Risk
05/06	66.1	47.0	8.5	8.3	0.00	
05/07	70.2	50.4	19.8	20.5	2.02	High Infection Risk
05/08	73.0	47.9	8.3	8.0	0.00	
05/09	71.7	55.7	12.5	8.8	0.00	
05/10	67.2	49.8			0.00	
05/11	64.2	38.9	4.8		0.00	
05/12	66.9	42.5	11.3	4.0	0.00	
05/13	69.0	37.1	8.5	5.0	0.00	
05/14	64.1	47.7	17.8	9.0	1.27	High Infection Risk
05/15	77.2	54.6	13.0	11.8	0.00	
05/16	67.3	50.9	16.5	15.8	1.06	High Infection Risk
05/17	60.6	48.9	8.8	7.0	0.00	
05/18	57.0	46.1			0.00	
05/19	67.7	36.1	1.3		0.00	
05/20	80.5	42.2	8.0	2.0	0.00	
05/21	77.0	49.0	5.0		0.00	

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

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	69.3	0.0	0.27	20.0	18.0	0.0	1	Primary Infection
05/02	67.7	>min	0.09	11.3	4.0	0.0	1	Possible Infection
05/03	61.2	>min	0.10	20.0	10.8	0.0	1	Possible Infection
05/04	60.6	>min	0.06	19.8	13.3	0.0	1	Possible Infection

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05/05	54.4	>min	0.17	22.5	8.8	0.0	1	Possible	Infection	
05/06	66.1	>min	0.27	8.5	7.5	0.0	1	Possible	Infection	
05/07	70.2	>min	0.61	19.8	20.3	0.0	1	Possible	Infection	
05/08	73.0	>min	0.01	8.3	7.8	0.0	1	Possible	Infection	
05/09	71.7	>min	0.15	12.5	7.5	0.0	1	Possible	Infection	
05/10	67.2	>min			0.0	0.0	0			
05/11	64.2	>min		2.8	0.0	0.0	0			
05/12	66.9	>min	0.05	10.5	3.0	0.0	1	Possible	Infection	
05/13	69.0	>min		5.8	1.3	0.0	1	Possible	Infection	
05/14	64.1	>min	0.44	17.8	7.8	0.0	1	Possible	Infection	
05/15	77.2	>min		13.0	11.0	0.0	1	Possible	Infection	
05/16	67.3	>min		16.5	15.8	0.0	1	Possible	Infection	
05/17	60.6	>min	0.15	8.8	7.0	0.0	1	Possible	Infection	
05/18	57.0	>min			0.0	0.0	0			
05/19	67.7	>min		1.0	0.0	0.0	0			
05/20	80.5	>min		5.5	0.0	0.0	0			
05/21	77.0	>min		5.0	0.0	0.0	0			

Hamden, 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	69.3	59.0	0.0	0.0	19.8	Heavy	
05/02	67.7	58.1	0.0	0.0	11.3	Heavy	
05/03	61.2	51.2	0.0	0.0	19.8	Heavy	
05/04	60.6	54.3	0.0	0.0	19.8	Heavy	
05/05	54.4	52.4	0.0	0.0	22.5	Heavy	
05/06	66.1	54.3	0.0	0.0	8.3	Heavy	
05/07	70.2	58.5	0.5	0.0	19.3	Heavy	
05/08	73.0	62.4	4.3	0.0	8.3	Heavy	
05/09	71.7	62.5	1.3	0.0	12.0		
05/10	67.2	60.1	0.0	0.0	0.0		
05/11	64.2	52.7	0.0	0.0	5.0		
05/12	66.9	53.0	0.0	0.0	10.8		
05/13	69.0	54.4	0.0	0.0	12.0		
05/14	64.1	56.6	0.0	0.0	17.8	Heavy	
05/15	77.2	63.4	7.0	0.0	13.0	Heavy	
05/16	67.3	59.4	0.0	0.0	16.3	Heavy	
05/17	60.6	54.6	0.0	0.0	8.5	Heavy	
05/18	57.0	50.6	0.0	0.0	0.0		
05/19	67.7	54.4	0.0	0.0	3.5		
05/20	80.5	62.1	9.3	0.0	7.8		
05/21	77.0	58.5	2.5	0.0	4.8		

Leaf Wetness Sensor Parameters:

Base Temperature 0.0  
 Upper Temperature 100.0  
 wetness Threshold 6.0

Hamden, 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 Catawba	Intensity Seyval
05/01	59.0	20.5	0.27	30.0	57.1	192 High	185 High
05/02	58.1	12.0	0.09	26.8	57.3	164 High	166 High
05/03	51.2	20.5	0.10	11.5	51.7	32 Moderate	45 Moderate
05/04	54.3	20.8	0.06	30.3	52.6	141 High	136 High
05/05	52.4	23.3	0.17	48.0	53.4	295 High	236 High
05/06	54.3	11.8	0.27	40.0	52.0	197 High	171 High
05/07	58.5	24.0	0.61	24.8	58.3	153 High	160 High
05/08	62.4	16.3	0.01	37.3	58.2	274 High	244 High

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05/09	62.5	17.8	0.15	7.3	58.5	27	Light	45	Moderate
05/10	60.1	0.0	0.00	0.0	0.0	0		0	
05/11	52.7	3.5	0.00	0.0	0.0	0		0	
05/12	53.0	13.0	0.05	2.5	53.3	4	Light	11	Light
05/13	54.4	7.5	0.00	0.0	0.0	0		0	
05/14	56.6	19.5	0.44	6.3	57.1	20	Light	36	Moderate
05/15	63.4	19.8	0.00	17.3	58.0	91	High	109	High
05/16	59.4	17.5	0.00	0.0	0.0	0		0	
05/17	54.6	9.8	0.15	8.5	57.2	32	Moderate	50	Moderate
05/18	50.6	0.0	0.00	0.0	0.0	0		0	
05/19	54.4	1.0	0.00	0.0	0.0	0		0	
05/20	62.1	8.3	0.00	0.0	0.0	0		0	
05/21	58.5	5.8	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



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