

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

Colchester, 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	53.9	13.8	0.00	0.0	0.0	0	0
06/02	63.5	24.0	0.00	0.0	0.0	0	0
06/03	60.1	24.0	0.01	4.0	55.7	10 Light	21 Light
06/04	58.6	24.0	0.21	28.0	58.2	182 Hi gh	181 Hi gh
06/05	54.5	24.0	0.30	52.0	56.5	409 Hi gh	317 Hi gh
06/06	61.9	24.0	0.01	76.0	58.2	761 Hi gh	512 Hi gh
06/07	67.3	24.0	0.00	100.0	60.4	1203 Hi gh	740 Hi gh
06/08	64.4	20.5	0.00	119.5	61.3	1578 Hi gh	914 Hi gh
06/09	54.7	24.0	0.52	16.8	54.6	72 Moderate	86 Moderate
06/10	58.7	24.0	0.03	40.8	57.0	296 Hi gh	252 Hi gh
06/11	59.5	24.0	0.06	64.8	57.9	598 Hi gh	428 Hi gh
06/12	65.7	24.0	0.54	88.8	60.0	1005 Hi gh	646 Hi gh
06/13	64.5	24.0	0.00	112.8	61.0	1445 Hi gh	854 Hi gh
06/14	60.4	24.0	0.43	136.8	60.9	1901 Hi gh	1041 Hi gh
06/15	58.2	24.0	0.00	160.8	60.5	2376 Hi gh	1217 Hi gh
06/16	58.1	24.0	0.03	184.8	60.2	2879 Hi gh	1392 Hi gh
06/17	56.3	24.0	0.00	208.8	59.7	3389 Hi gh	1556 Hi gh
06/18	58.7	24.0	1.04	232.8	59.6	3949 Hi gh	1736 Hi gh
06/19	67.5	24.0	0.13	256.8	60.4	4629 Hi gh	1972 Hi gh
06/20	65.5	24.0	0.03	280.8	60.8	5308 Hi gh	2193 Hi gh
06/21	64.7	24.0	0.24	304.8	61.1	6003 Hi gh	2410 Hi gh
06/22	63.8	24.0	0.00	328.8	61.3	6712 Hi gh	2622 Hi gh
06/23	65.0	24.0	0.02	352.8	61.6	7452 Hi gh	2841 Hi gh
06/24	64.8	24.0	0.01	376.8	61.8	8211 Hi gh	3058 Hi gh
06/25	67.2	24.0	0.00	400.8	62.1	9004 Hi gh	3286 Hi gh
06/26	64.0	8.8	0.00	410.0	62.1	9308 Hi gh	3369 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  
 Di sease Intensi ty projects the estimated lesions per leaf

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

Date	Hi gh Temp	Low Temp	Wet Hours	RH>95 Hours	Dai ly Ri sk	Warni ng
06/01	66.0	40.9	1.3		0.00	
06/02	75.4	54.8	13.8		0.20	Low Infecti on Ri sk
06/03	71.1	54.2	14.5		0.31	Low Infecti on Ri sk
06/04	71.2	52.1	17.0	8.0	1.11	Hi gh Infecti on Ri sk
06/05	59.2	51.9	24.0	16.0	2.16	Hi gh Infecti on Ri sk
06/06	76.2	50.6	21.0	9.0	2.04	Hi gh Infecti on Ri sk
06/07	78.2	56.0	15.5	4.5	0.74	Moderate Infecti on Ri sk
06/08	75.4	56.6	9.3		0.00	
06/09	56.8	53.4	23.5	14.0	2.11	Hi gh Infecti on Ri sk
06/10	67.4	53.5	24.0	19.3	2.82	Hi gh Infecti on Ri sk
06/11	63.5	55.2	24.0	17.0	2.77	Hi gh Infecti on Ri sk
06/12	73.6	59.7	24.0	18.3	3.17	Hi gh Infecti on Ri sk
06/13	75.3	59.0	24.0	10.5	2.97	Hi gh Infecti on Ri sk
06/14	68.7	52.4	23.0	10.8	2.34	Hi gh Infecti on Ri sk
06/15	69.4	50.2	23.0	12.0	2.29	Hi gh Infecti on Ri sk
06/16	69.3	49.1	23.0	9.5	2.33	Hi gh Infecti on Ri sk
06/17	67.7	43.9	19.3	9.0	1.49	Hi gh Infecti on Ri sk

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06/18	62.5	50.8	24.0	17.8	2.78	High	Infection	Risk
06/19	76.1	61.6	24.0	12.8	3.15	High	Infection	Risk
06/20	73.1	60.6	24.0	12.0	3.21	High	Infection	Risk
06/21	70.5	61.9	24.0	10.8	3.17	High	Infection	Risk
06/22	66.8	62.3	24.0		3.15	High	Infection	Risk
06/23	72.0	61.5	24.0	5.3	3.17	High	Infection	Risk
06/24	70.2	61.8	24.0	11.3	3.19	High	Infection	Risk
06/25	76.7	59.8	24.0	10.5	3.08	High	Infection	Risk
06/26	69.4	62.2	8.8	8.0	0.00			

Colchester, 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	66.0	0.0		1.3	0.0	0.0	0	Primary Infection
06/02	75.4	>min		13.8	0.0	0.0	0	
06/03	71.1	>min	0.01	14.5	0.0	0.0	0	
06/04	71.2	>min	0.21	17.0	6.0	0.0	1	Possible Infection
06/05	59.2	>min	0.30	24.0	14.8	0.0	1	Possible Infection
06/06	76.2	>min	0.01	21.0	8.3	0.0	1	Possible Infection
06/07	78.2	>min		15.5	4.3	0.0	1	Possible Infection
06/08	75.4	>min		9.3	0.0	0.0	0	
06/09	56.8	>min	0.52	23.5	13.5	0.0	1	Possible Infection
06/10	67.4	>min	0.03	24.0	16.8	0.0	1	Possible Infection
06/11	63.5	>min	0.06	24.0	14.8	0.0	1	Possible Infection
06/12	73.6	>min	0.54	24.0	17.3	4.5	3	High Risk of Infection
06/13	75.3	>min		24.0	8.0	0.0	1	Possible Infection
06/14	68.7	>min	0.43	23.0	10.3	0.0	1	Possible Infection
06/15	69.4	>min		23.0	11.3	0.0	1	Possible Infection
06/16	69.3	>min	0.03	23.0	8.8	0.0	1	Possible Infection
06/17	67.7	>min		19.3	8.8	0.0	1	Possible Infection
06/18	62.5	>min	1.04	24.0	14.3	0.0	1	Possible Infection
06/19	76.1	>min	0.13	24.0	12.5	1.0	3	High Risk of Infection
06/20	73.1	>min	0.03	24.0	10.8	0.0	1	Possible Infection
06/21	70.5	>min	0.24	24.0	9.5	0.0	1	Possible Infection
06/22	66.8	>min		24.0	0.0	0.0	0	
06/23	72.0	>min	0.02	24.0	3.5	0.0	1	Possible Infection
06/24	70.2	>min	0.01	24.0	6.0	0.0	1	Possible Infection
06/25	76.7	>min		24.0	9.0	0.3	1	Possible Infection
06/26	69.4	>min		8.8	6.5	0.5	3	High Risk of Infection

Colchester, 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	66.0	53.9	0.0	0.0	0.3		
06/02	75.4	63.5	5.5	0.0	8.3		
06/03	71.1	60.1	0.5	0.0	12.3		
06/04	71.2	58.6	0.5	0.0	12.8	Heavy	
06/05	59.2	54.5	0.0	0.0	24.0	Heavy	
06/06	76.2	61.9	5.8	0.0	15.5	Heavy	
06/07	78.2	67.3	9.3	0.0	6.8	Heavy	
06/08	75.4	64.4	4.8	0.0	3.8		
06/09	56.8	54.7	0.0	0.0	23.0	Heavy	
06/10	67.4	58.7	0.0	0.0	17.5	Heavy	
06/11	63.5	59.5	0.0	0.0	19.0	Heavy	
06/12	73.6	65.7	2.5	0.0	24.0	Heavy	
06/13	75.3	64.5	3.8	0.0	21.5	Heavy	
06/14	68.7	60.4	0.0	0.0	17.0	Heavy	
06/15	69.4	58.2	0.0	0.0	17.5	Heavy	
06/16	69.3	58.1	0.0	0.0	15.5	Heavy	

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06/17	67.7	56.3	0.0	0.0	13.3	Heavy
06/18	62.5	58.7	0.0	0.0	24.0	Heavy
06/19	76.1	67.5	7.5	0.0	24.0	Heavy
06/20	73.1	65.5	1.0	0.0	24.0	Heavy
06/21	70.5	64.7	0.5	0.0	24.0	Heavy
06/22	66.8	63.8	0.0	0.0	24.0	Heavy
06/23	72.0	65.0	0.8	0.0	24.0	Heavy
06/24	70.2	64.8	0.3	0.0	24.0	Heavy
06/25	76.7	67.2	8.3	0.0	24.0	Heavy
06/26	69.4	64.0	0.0	0.0	9.3	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0  
 Upper Temperature 100.0  
 Wetness Threshold 6.0

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Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Intensi ty Catawba	Seyval
06/01	53.9	13.8	0.00	0.0	0.0	0	0
06/02	63.5	24.0	0.00	0.0	0.0	0	0
06/03	60.1	24.0	0.01	4.0	55.7	10 Li ght	21 Li ght
06/04	58.6	24.0	0.21	28.0	58.2	182 Hi gh	181 Hi gh
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