

Colchester, CT Black Rot - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	82.4	61.4	24.0	3.51	Infection Risk
08/02	74.5	62.1	24.0	7.48	Infection Risk
08/03	82.7	65.4	24.0	11.19	Infection Risk
08/04	81.6	67.1	24.0	14.93	Infection Risk
08/05	84.0	65.6	24.0	18.52	Infection Risk
08/06	76.3	58.5	24.0	22.03	Infection Risk
08/07	76.9	56.4	24.0	25.47	Infection Risk
08/08	75.5	53.4	24.0	28.56	Infection Risk
08/09	69.9	55.3	24.0	31.93	Infection Risk
08/10	87.6	68.1	24.0	35.34	Infection Risk
08/11	86.0	66.9	24.0	38.91	Infection Risk
08/12	77.5	65.4	24.0	42.87	Infection Risk
08/13	71.7	62.3	24.0	46.68	Infection Risk
08/14	84.5	59.7	24.0	50.00	Infection Risk
08/15	86.3	60.8	24.0	53.39	Infection Risk
08/16	87.9	63.7	24.0	56.80	Infection Risk
08/17	90.1	66.7	23.8	60.16	Infection Risk
08/18	87.5	65.2	24.0	63.53	Infection Risk
08/19	87.3	70.8	24.0	67.06	Infection Risk
08/20	85.8	66.8	24.0	70.55	Infection Risk
08/21	86.6	72.1	24.0	73.93	Infection Risk
08/22	82.4	71.1	24.0	77.56	Infection Risk
08/23	84.4	68.5	24.0	81.27	Infection Risk
08/24	82.9	65.0	24.0	84.99	Infection Risk
08/25	83.5	63.3	24.0	88.60	Infection Risk
08/26	83.8	66.4	24.0	92.27	Infection Risk
08/27	75.8	56.6	24.0	95.65	Infection Risk

Colchester, CT Botrytis - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/01	82.4	61.4	24.0	9.5	2.83	High Infection Risk
08/02	74.5	62.1	24.0	20.0	3.29	High Infection Risk
08/03	82.7	65.4	24.0	8.5	2.84	High Infection Risk
08/04	81.6	67.1	24.0	7.8	2.82	High Infection Risk
08/05	84.0	65.6	24.0	7.3	2.76	High Infection Risk
08/06	76.3	58.5	24.0	0.8	3.05	High Infection Risk
08/07	76.9	56.4	24.0	0.5	2.96	High Infection Risk
08/08	75.5	53.4	24.0		2.77	High Infection Risk
08/09	69.9	55.3	24.0	6.8	2.95	High Infection Risk
08/10	87.6	68.1	24.0	9.0	2.44	High Infection Risk
08/11	86.0	66.9	24.0	6.5	2.63	High Infection Risk
08/12	77.5	65.4	24.0	7.3	3.24	High Infection Risk
08/13	71.7	62.3	24.0	16.8	3.32	High Infection Risk
08/14	84.5	59.7	24.0	8.8	2.76	High Infection Risk
08/15	86.3	60.8	24.0	8.3	2.79	High Infection Risk
08/16	87.9	63.7	24.0	9.3	2.70	High Infection Risk
08/17	90.1	66.7	24.0	8.0	2.59	High Infection Risk
08/18	87.5	65.2	24.0	5.8	2.65	High Infection Risk
08/19	87.3	70.8	24.0	6.5	2.69	High Infection Risk
08/20	85.8	66.8	24.0	11.5	2.65	High Infection Risk
08/21	86.6	72.1	24.0	13.8	2.71	High Infection Risk
08/22	82.4	71.1	24.0	11.8	2.79	High Infection Risk
08/23	84.4	68.5	24.0	10.0	2.77	High Infection Risk

08/24	82.9	65.0	24.0	8.5	2.88	High	Infection Risk
08/25	83.5	63.3	24.0	7.0	2.86	High	Infection Risk
08/26	83.8	66.4	24.0	3.8	2.82	High	Infection Risk
08/27	75.8	56.6	24.0	3.3	3.00	High	Infection Risk

Colchester, CT Downy Mildew - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/01	82.4	0.0	0.30	24.0	9.0	0.5	1	Primary Infection
08/02	74.5	>min	0.04	24.0	18.0	12.8	3	High Risk of Infection
08/03	82.7	>min		24.0	8.5	6.8	3	High Risk of Infection
08/04	81.6	>min		24.0	7.0	7.0	3	High Risk of Infection
08/05	84.0	>min		24.0	4.3	4.3	3	High Risk of Infection
08/06	76.3	>min		24.0	0.0	0.0	0	
08/07	76.9	>min		24.0	0.0	0.0	0	
08/08	75.5	>min		24.0	0.0	0.0	0	
08/09	69.9	>min		24.0	5.5	0.5	3	High Risk of Infection
08/10	87.6	>min	0.03	21.3	8.8	8.8	3	High Risk of Infection
08/11	86.0	>min	0.01	24.0	6.0	6.0	3	High Risk of Infection
08/12	77.5	>min		24.0	6.8	3.5	3	High Risk of Infection
08/13	71.7	>min	0.17	24.0	15.5	4.5	3	High Risk of Infection
08/14	84.5	>min		24.0	8.0	0.5	3	High Risk of Infection
08/15	86.3	>min		23.8	7.5	1.5	3	High Risk of Infection
08/16	87.9	>min		22.8	7.8	3.3	3	High Risk of Infection
08/17	90.1	>min		19.0	7.5	7.5	3	High Risk of Infection
08/18	87.5	>min		20.3	5.3	4.3	3	High Risk of Infection
08/19	87.3	>min		23.3	4.0	4.0	3	High Risk of Infection
08/20	85.8	>min		24.0	9.0	9.0	3	High Risk of Infection
08/21	86.6	>min	0.11	23.8	12.0	11.8	3	High Risk of Infection
08/22	82.4	>min	0.45	24.0	10.3	10.3	3	High Risk of Infection
08/23	84.4	>min		24.0	8.8	8.8	3	High Risk of Infection
08/24	82.9	>min		24.0	8.0	7.0	3	High Risk of Infection
08/25	83.5	>min		24.0	6.0	0.5	3	High Risk of Infection
08/26	83.8	>min	0.01	24.0	2.3	2.3	3	High Risk of Infection
08/27	75.8	>min		24.0	0.8	0.0	1	Possible Infection

Colchester, CT Powdery Mildew - Grape From 2009-08-01 To 2009-08-28

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	82.4	71.1	11.0	0.0	24.0	Heavy	
08/02	74.5	69.5	13.8	0.0	24.0	Heavy	
08/03	82.7	73.1	13.8	0.0	24.0	Heavy	60 Heavy
08/04	81.6	74.3	17.3	0.0	24.0	Heavy	80 Heavy
08/05	84.0	76.1	22.0	0.0	24.0	Heavy	100 Heavy
08/06	76.3	67.1	9.5	0.0	24.0	Heavy	100 Heavy
08/07	76.9	67.3	9.5	0.0	18.0	Heavy	100 Heavy
08/08	75.5	63.9	6.3	0.0	12.3		100 Heavy
08/09	69.9	64.1	0.0	0.0	24.0	Heavy	90 Heavy
08/10	87.6	77.4	9.0	0.0	24.0	Heavy	100 Heavy
08/11	86.0	76.5	24.0	0.0	24.0	Heavy	100 Heavy
08/12	77.5	70.4	12.0	0.0	24.0	Heavy	100 Heavy
08/13	71.7	66.4	0.5	0.0	24.0	Heavy	90 Heavy
08/14	84.5	71.4	13.3	0.0	24.0	Heavy	100 Heavy
08/15	86.3	73.6	15.0	0.0	24.0	Heavy	100 Heavy
08/16	87.9	75.3	13.0	0.0	24.0	Heavy	100 Heavy
08/17	90.1	77.6	11.0	0.0	24.0	Heavy	100 Heavy
08/18	87.5	76.9	11.8	0.0	24.0	Heavy	100 Heavy

08/19	87.3	77.2	21.3	0.0	24.0	Heavy	100	Heavy
08/20	85.8	76.3	17.3	0.0	24.0	Heavy	100	Heavy
08/21	86.6	78.4	21.3	0.0	24.0	Heavy	100	Heavy
08/22	82.4	76.3	24.0	0.0	24.0	Heavy	100	Heavy
08/23	84.4	75.1	21.5	0.0	24.0	Heavy	100	Heavy
08/24	82.9	72.6	11.8	0.0	24.0	Heavy	100	Heavy
08/25	83.5	72.1	13.5	0.0	24.0	Heavy	100	Heavy
08/26	83.8	73.7	14.3	0.0	24.0	Heavy	100	Heavy
08/27	75.8	65.3	5.8	0.0	24.0	Heavy	90	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
Upper Temperature 100.0
Wetness Threshold 6.0

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-08-01 To 2009-08-28

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Catawba	Intensity Seyval
08/01	71.1	24.0	0.30	24.0	71.1	139 High	181 High
08/02	69.5	24.0	0.04	48.0	70.3	387 High	376 High
08/03	73.1	24.0	0.00	72.0	71.2	665 High	565 High
08/04	74.3	24.0	0.00	96.0	72.0	969 High	751 High
08/05	76.1	24.0	0.00	120.0	72.8	1277 High	930 High
08/06	67.1	24.0	0.00	144.0	71.9	1740 High	1148 High
08/07	67.3	24.0	0.00	168.0	71.2	2235 High	1364 High
08/08	63.9	24.0	0.00	192.0	70.3	2809 High	1589 High
08/09	64.1	24.0	0.00	216.0	69.6	3407 High	1810 High
08/10	77.4	24.0	0.03	240.0	70.4	3850 High	2001 High
08/11	76.5	24.0	0.01	264.0	71.0	4315 High	2192 High
08/12	70.4	24.0	0.00	288.0	70.9	4897 High	2401 High
08/13	66.4	24.0	0.17	312.0	70.6	5568 High	2623 High
08/14	71.4	24.0	0.00	336.0	70.6	6176 High	2831 High
08/15	73.6	24.0	0.00	360.0	70.8	6762 High	3033 High
08/16	75.3	24.0	0.00	384.0	71.1	7329 High	3229 High
08/17	77.6	24.0	0.00	408.0	71.5	7859 High	3416 High
08/18	76.9	24.0	0.00	432.0	71.8	8412 High	3605 High
08/19	77.2	24.0	0.00	456.0	72.1	8964 High	3792 High
08/20	76.3	24.0	0.00	480.0	72.3	9545 High	3981 High
08/21	78.4	24.0	0.11	504.0	72.6	10081 High	4161 High
08/22	76.3	24.0	0.45	528.0	72.7	10678 High	4350 High
08/23	75.1	24.0	0.00	552.0	72.8	11316 High	4544 High
08/24	72.6	24.0	0.00	576.0	72.8	12033 High	4751 High
08/25	72.1	24.0	0.00	600.0	72.8	12775 High	4961 High
08/26	73.7	24.0	0.01	624.0	72.8	13488 High	5163 High
08/27	65.3	24.0	0.00	648.0	72.6	14449 High	5405 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