

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	87.0	60.9	24.0	3.26	Infection Risk
08/02	77.1	65.5	24.0	7.21	Infection Risk
08/03	86.3	65.0	24.0	10.67	Infection Risk
08/04	87.6	63.0	24.0	14.01	Infection Risk
08/05	87.8	63.6	24.0	17.46	Infection Risk
08/06	83.9	56.7	24.0	20.64	Infection Risk
08/07	81.5	59.3	19.5	23.32	Infection Risk
08/08	79.8	51.2	19.3	25.70	Infection Risk
08/09	72.4	56.0	24.0	29.14	Infection Risk
08/10	94.4	68.8	20.0	31.97	Infection Risk
08/11	89.9	70.8	24.0	35.27	Infection Risk
08/12	80.0	68.2	24.0	39.16	Infection Risk
08/13	73.6	63.1	24.0	43.17	Infection Risk
08/14	88.5	60.2	24.0	46.28	Infection Risk
08/15	92.8	63.1	21.3	49.26	Infection Risk
08/16	94.3	66.3	19.8	52.09	Infection Risk
08/17	95.0	68.9	18.3	54.75	Infection Risk
08/18	93.5	68.7	18.8	57.40	Infection Risk
08/19	92.0	72.3	21.8	60.35	Infection Risk
08/20	91.9	69.5	20.8	63.29	Infection Risk
08/21	91.6	71.3	23.0	66.47	Infection Risk
08/22	86.6	71.0	24.0	70.03	Infection Risk
08/23	87.0	71.0	24.0	73.64	Infection Risk
08/24	85.2	65.9	24.0	77.24	Infection Risk
08/25	87.4	63.0	24.0	80.67	Infection Risk
08/26	88.6	65.2	24.0	84.10	Infection Risk
08/27	79.9	57.0	22.3	87.32	Infection Risk

Windsor, 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	87.0	60.9	24.0	8.3	2.62	High Infection Risk
08/02	77.1	65.5	24.0	12.0	3.18	High Infection Risk
08/03	86.3	65.0	24.0	7.8	2.60	High Infection Risk
08/04	87.6	63.0	24.0	1.8	2.48	High Infection Risk
08/05	87.8	63.6	24.0	4.8	2.71	High Infection Risk
08/06	83.9	56.7	24.0	1.3	2.76	High Infection Risk
08/07	81.5	59.3	19.5		1.68	High Infection Risk
08/08	79.8	51.2	19.3	0.3	1.66	High Infection Risk
08/09	72.4	56.0	24.0	6.0	2.96	High Infection Risk
08/10	94.4	68.8	24.0	6.3	2.13	High Infection Risk
08/11	89.9	70.8	24.0	6.5	2.42	High Infection Risk
08/12	80.0	68.2	24.0		3.03	High Infection Risk
08/13	73.6	63.1	24.0	9.8	3.36	High Infection Risk
08/14	88.5	60.2	24.0	9.5	2.48	High Infection Risk
08/15	92.8	63.1	24.0	7.8	2.35	High Infection Risk
08/16	94.3	66.3	24.0	7.3	2.29	High Infection Risk
08/17	95.0	68.9	24.0	6.0	2.24	High Infection Risk
08/18	93.5	68.7	24.0	7.0	2.20	High Infection Risk
08/19	92.0	72.3	24.0		2.32	High Infection Risk

08/20	91.9	69.5	24.0	3.0	2.28	High	Infection	Risk
08/21	91.6	71.3	24.0	9.3	2.76	High	Infection	Risk
08/22	86.6	71.0	24.0	11.8	2.66	High	Infection	Risk
08/23	87.0	71.0	24.0	10.8	2.72	High	Infection	Risk
08/24	85.2	65.9	24.0	7.8	2.65	High	Infection	Risk
08/25	87.4	63.0	24.0	5.0	2.64	High	Infection	Risk
08/26	88.6	65.2	24.0	1.8	2.65	High	Infection	Risk
08/27	79.9	57.0	22.3		2.54	High	Infection	Risk

Windsor, 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	87.0	0.0	0.01	23.0	8.0	0.8	1	Primary	Infection
08/02	77.1	>min	0.02	24.0	9.0	7.5	3	High Risk of	Infection
08/03	86.3	>min		23.8	7.5	5.0	3	High Risk of	Infection
08/04	87.6	>min		21.0	0.8	0.8	3	High Risk of	Infection
08/05	87.8	>min		22.8	3.3	3.3	3	High Risk of	Infection
08/06	83.9	>min		24.0	0.0	0.0	0		
08/07	81.5	>min		19.5	0.0	0.0	0		
08/08	79.8	>min		19.3	0.0	0.0	0		
08/09	72.4	>min	0.01	24.0	4.8	0.0	1	Possible	Infection
08/10	94.4	>min	0.05	17.8	4.8	4.8	3	High Risk of	Infection
08/11	89.9	>min	0.01	18.0	6.3	6.3	3	High Risk of	Infection
08/12	80.0	>min		24.0	0.0	0.0	0		
08/13	73.6	>min	0.15	24.0	7.8	4.5	3	High Risk of	Infection
08/14	88.5	>min		20.0	9.5	0.5	3	High Risk of	Infection
08/15	92.8	>min		17.5	7.3	3.0	3	High Risk of	Infection
08/16	94.3	>min		16.8	6.5	6.5	3	High Risk of	Infection
08/17	95.0	>min		15.3	5.0	5.0	3	High Risk of	Infection
08/18	93.5	>min		15.5	6.3	6.3	3	High Risk of	Infection
08/19	92.0	>min		17.3	0.0	0.0	0		
08/20	91.9	>min		17.0	1.3	1.3	3	High Risk of	Infection
08/21	91.6	>min	0.62	18.5	7.5	7.5	3	High Risk of	Infection
08/22	86.6	>min	0.75	23.5	10.5	10.5	3	High Risk of	Infection
08/23	87.0	>min	0.15	23.3	8.0	8.0	3	High Risk of	Infection
08/24	85.2	>min	0.01	24.0	7.5	7.3	3	High Risk of	Infection
08/25	87.4	>min		22.5	3.8	0.0	1	Possible	Infection
08/26	88.6	>min		21.8	0.0	0.0	0		
08/27	79.9	>min		22.3	0.0	0.0	0		

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

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	87.0	73.2	6.0	0.0	24.0	Heavy	
08/02	77.1	71.7	15.8	0.0	24.0	Heavy	
08/03	86.3	74.7	6.0	0.0	24.0	Heavy	60 Heavy
08/04	87.6	75.4	10.3	0.0	24.0	Heavy	80 Heavy
08/05	87.8	76.9	18.8	0.0	22.0	Heavy	100 Heavy
08/06	83.9	69.5	11.5	0.0	18.8	Heavy	100 Heavy
08/07	81.5	70.4	12.0	0.0	7.5		100 Heavy
08/08	79.8	65.7	9.3	0.0	5.5		100 Heavy
08/09	72.4	65.1	3.3	0.0	24.0	Heavy	90 Heavy
08/10	94.4	79.8	5.3	0.0	24.0	Heavy	80 Heavy

08/11	89.9	79.2	16.5	0.0	24.0	Heavy	100	Heavy
08/12	80.0	73.3	22.5	0.0	24.0	Heavy	100	Heavy
08/13	73.6	68.4	5.8	0.0	24.0	Heavy	90	Heavy
08/14	88.5	72.7	5.5	0.0	24.0	Heavy	80	Heavy
08/15	92.8	76.6	5.8	0.0	24.0	Heavy	70	Heavy
08/16	94.3	79.1	6.0	0.0	24.0	Heavy	90	Heavy
08/17	95.0	80.9	9.8	0.3	24.0	Heavy	100	Heavy
08/18	93.5	80.8	8.3	0.0	21.3	Heavy	100	Heavy
08/19	92.0	80.7	16.3	0.0	22.8	Heavy	100	Heavy
08/20	91.9	79.8	10.5	0.0	24.0	Heavy	100	Heavy
08/21	91.6	79.5	23.5	0.0	24.0	Heavy	100	Heavy
08/22	86.6	76.8	19.0	0.0	24.0	Heavy	100	Heavy
08/23	87.0	76.4	23.0	0.0	24.0	Heavy	100	Heavy
08/24	85.2	74.7	15.5	0.0	24.0	Heavy	100	Heavy
08/25	87.4	74.2	11.5	0.0	24.0	Heavy	100	Heavy
08/26	88.6	75.7	12.3	0.0	24.0	Heavy	100	Heavy
08/27	79.9	68.1	8.3	0.0	8.8	Heavy	100	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
Upper Temperature 100.0
Wetness Threshold 6.0

Windsor, 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	73.2	24.0	0.01	23.8	73.3	123 High	171 High
08/02	71.7	24.0	0.02	47.8	72.5	348 High	359 High
08/03	74.7	24.0	0.00	71.8	73.2	598 High	539 High
08/04	75.4	24.0	0.00	95.8	73.8	876 High	717 High
08/05	76.9	24.0	0.00	119.8	74.4	1159 High	887 High
08/06	69.5	24.0	0.00	143.8	73.6	1583 High	1100 High
08/07	70.4	24.0	0.00	167.8	73.1	2027 High	1307 High
08/08	65.7	24.0	0.00	191.8	72.2	2578 High	1535 High
08/09	65.1	24.0	0.01	215.8	71.4	3167 High	1763 High
08/10	79.8	24.0	0.05	239.8	72.3	3539 High	1935 High
08/11	79.2	24.0	0.01	263.8	72.9	3924 High	2105 High
08/12	73.3	24.0	0.00	287.8	72.9	4436 High	2303 High
08/13	68.4	24.0	0.15	311.8	72.6	5069 High	2524 High
08/14	72.7	24.0	0.00	335.8	72.6	5633 High	2726 High
08/15	76.6	24.0	0.00	359.8	72.9	6129 High	2910 High
08/16	79.1	24.0	0.00	383.8	73.3	6577 High	3082 High
08/17	80.9	24.0	0.00	407.8	73.7	6987 High	3242 High
08/18	80.8	24.0	0.00	431.8	74.1	7400 High	3401 High
08/19	80.7	24.0	0.00	455.8	74.4	7820 High	3559 High
08/20	79.8	24.0	0.00	479.8	74.7	8269 High	3722 High
08/21	79.5	24.0	0.62	503.8	74.9	8730 High	3885 High
08/22	76.8	24.0	0.75	527.8	75.0	9275 High	4065 High
08/23	76.4	24.0	0.15	551.8	75.1	9843 High	4249 High
08/24	74.7	24.0	0.01	575.8	75.1	10474 High	4444 High
08/25	74.2	24.0	0.00	599.8	75.0	11131 High	4643 High
08/26	75.7	24.0	0.00	623.8	75.1	11753 High	4832 High
08/27	68.1	24.0	0.00	647.8	74.8	12628 High	5070 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

Belchertown, MA Black Rot - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	85.9	60.4	20.0	2.77	Infection Risk
08/02	75.0	63.2	24.0	6.70	Infection Risk
08/03	84.0	62.4	18.8	9.54	Infection Risk
08/04	85.2	60.6	19.8	12.35	Infection Risk
08/05	85.6	59.6	20.8	15.53	Infection Risk
08/06	80.5	55.4	14.0	17.21	Infection Risk
08/07	77.7	52.9	9.0	18.01	Infection Risk
08/08	74.3	50.3	9.8	0.51	
08/09	71.9	54.2	19.0	2.53	Infection Risk
08/10	87.3	65.0	22.5	5.77	Infection Risk
08/11	89.3	69.4	20.3	8.78	Infection Risk
08/12	77.4	66.5	20.5	12.24	Infection Risk
08/13	70.8	61.6	24.0	15.99	Infection Risk
08/14	87.0	56.9	22.0	18.77	Infection Risk
08/15	90.4	63.9	20.8	21.79	Infection Risk
08/16	91.9	66.3	19.0	24.65	Infection Risk
08/17	93.0	68.1	18.5	27.44	Infection Risk
08/18	91.6	68.8	16.8	30.00	Infection Risk
08/19	88.5	68.7	20.3	33.07	Infection Risk
08/20	89.7	67.2	22.0	36.26	Infection Risk
08/21	89.0	69.3	24.0	39.75	Infection Risk
08/22	84.8	69.6	24.0	43.58	Infection Risk
08/23	84.0	68.1	24.0	47.42	Infection Risk
08/24	82.9	65.8	21.5	50.82	Infection Risk
08/25	85.5	61.2	20.3	53.77	Infection Risk
08/26	82.9	63.7	17.3	56.33	Infection Risk
08/27	75.5	53.8	9.0	57.03	Infection Risk

Belchertown, MA 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	85.9	60.4	20.0	9.5	1.85	High Infection Risk
08/02	75.0	63.2	24.0	11.0	3.25	High Infection Risk
08/03	84.0	62.4	18.8	8.5	1.62	High Infection Risk
08/04	85.2	60.6	19.8	7.5	1.87	High Infection Risk
08/05	85.6	59.6	20.8	7.8	2.06	High Infection Risk
08/06	80.5	55.4	14.0	4.8	0.37	Low Infection Risk
08/07	77.7	52.9	9.0	0.3	0.00	
08/08	74.3	50.3	9.8	2.5	0.00	
08/09	71.9	54.2	19.0		1.67	High Infection Risk

08/10	87.3	65.0	22.5	8.0	2.27	High	Infection	Risk
08/11	89.3	69.4	20.3	7.8	1.93	High	Infection	Risk
08/12	77.4	66.5	20.5	5.5	2.48	High	Infection	Risk
08/13	70.8	61.6	24.0	15.8	3.29	High	Infection	Risk
08/14	87.0	56.9	22.0	10.5	2.17	High	Infection	Risk
08/15	90.4	63.9	21.3	8.8	2.07	High	Infection	Risk
08/16	91.9	66.3	21.3	7.0	2.07	High	Infection	Risk
08/17	93.0	68.1	22.0	7.3	2.12	High	Infection	Risk
08/18	91.6	68.8	19.3	3.8	1.71	High	Infection	Risk
08/19	88.5	68.7	20.3	6.0	1.96	High	Infection	Risk
08/20	89.7	67.2	22.0	3.3	2.19	High	Infection	Risk
08/21	89.0	69.3	24.0	14.8	2.86	High	Infection	Risk
08/22	84.8	69.6	24.0	15.8	2.89	High	Infection	Risk
08/23	84.0	68.1	24.0	14.3	2.90	High	Infection	Risk
08/24	82.9	65.8	21.5	9.0	2.39	High	Infection	Risk
08/25	85.5	61.2	20.3	8.0	2.01	High	Infection	Risk
08/26	82.9	63.7	17.3	7.5	1.37	High	Infection	Risk
08/27	75.5	53.8	9.0	0.3	0.00			

Belchertown, MA 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	85.9	0.0	0.01	20.0	9.0	1.3	1	Primary Infection
08/02	75.0	>min		24.0	8.5	4.8	3	High Risk of Infection
08/03	84.0	>min		18.8	8.3	6.0	3	High Risk of Infection
08/04	85.2	>min		19.8	6.5	2.0	3	High Risk of Infection
08/05	85.6	>min	0.48	20.8	6.5	6.5	3	High Risk of Infection
08/06	80.5	>min		14.0	4.5	0.0	1	Possible Infection
08/07	77.7	>min		9.0	0.0	0.0	0	
08/08	74.3	>min		9.8	2.5	0.0	1	Possible Infection
08/09	71.9	>min		19.0	0.0	0.0	0	
08/10	87.3	>min	0.01	19.8	7.8	7.0	3	High Risk of Infection
08/11	89.3	>min		17.5	6.5	6.5	3	High Risk of Infection
08/12	77.4	>min		20.5	4.0	4.0	3	High Risk of Infection
08/13	70.8	>min	0.02	24.0	12.3	0.8	3	High Risk of Infection
08/14	87.0	>min		19.8	10.5	0.5	3	High Risk of Infection
08/15	90.4	>min		17.0	8.3	2.8	3	High Risk of Infection
08/16	91.9	>min		16.3	6.8	6.8	3	High Risk of Infection
08/17	93.0	>min		16.0	6.8	6.8	3	High Risk of Infection
08/18	91.6	>min		14.5	3.0	3.0	3	High Risk of Infection
08/19	88.5	>min		18.3	5.3	5.3	3	High Risk of Infection
08/20	89.7	>min		17.5	2.0	2.0	3	High Risk of Infection
08/21	89.0	>min	0.87	21.5	13.5	13.5	3	High Risk of Infection
08/22	84.8	>min	0.69	24.0	15.3	15.3	3	High Risk of Infection
08/23	84.0	>min	1.66	24.0	13.5	13.5	3	High Risk of Infection
08/24	82.9	>min	0.01	21.5	8.8	8.3	3	High Risk of Infection
08/25	85.5	>min		20.3	7.3	0.5	3	High Risk of Infection
08/26	82.9	>min		17.3	6.8	0.5	3	High Risk of Infection
08/27	75.5	>min		9.0	0.0	0.0	0	

Belchertown, MA 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
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08/01	85.9	71.9	5.3	0.0	11.5		
08/02	75.0	69.8	13.5	0.0	18.3	Heavy	
08/03	84.0	72.7	12.8	0.0	11.3	Heavy	
08/04	85.2	72.4	13.3	0.0	13.0		60 Heavy
08/05	85.6	72.6	17.5	0.0	14.3	Heavy	80 Heavy
08/06	80.5	67.2	10.3	0.0	9.3	Heavy	100 Heavy
08/07	77.7	65.6	9.0	0.0	7.3		100 Heavy
08/08	74.3	62.4	4.8	0.0	9.3		90 Heavy
08/09	71.9	63.1	1.8	0.0	18.0	Heavy	80 Heavy
08/10	87.3	75.4	5.8	0.0	13.5	Heavy	70 Heavy
08/11	89.3	77.6	19.0	0.0	12.5		90 Heavy
08/12	77.4	69.8	10.0	0.0	14.8	Heavy	100 Heavy
08/13	70.8	66.1	0.3	0.0	24.0	Heavy	90 Heavy
08/14	87.0	71.1	5.5	0.0	17.0	Heavy	80 Heavy
08/15	90.4	75.3	5.8	0.0	15.3	Heavy	70 Heavy
08/16	91.9	77.1	5.8	0.0	15.3	Heavy	60 Heavy
08/17	93.0	79.0	8.8	0.0	15.5	Heavy	80 Heavy
08/18	91.6	78.8	9.0	0.0	13.0	Heavy	100 Heavy
08/19	88.5	77.3	23.8	0.0	14.0		100 Heavy
08/20	89.7	77.5	11.0	0.0	14.0	Heavy	100 Heavy
08/21	89.0	77.1	11.8	0.0	19.0	Heavy	100 Heavy
08/22	84.8	74.2	23.0	0.0	19.8	Heavy	100 Heavy
08/23	84.0	73.5	18.0	0.0	21.0	Heavy	100 Heavy
08/24	82.9	72.9	14.0	0.0	11.5	Heavy	100 Heavy
08/25	85.5	71.9	12.0	0.0	13.5		100 Heavy
08/26	82.9	71.8	12.5	0.0	12.5	Heavy	100 Heavy
08/27	75.5	63.4	3.0	0.0	8.8		90 Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Belchertown, MA 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	71.9	24.0	0.01	20.3	73.3	98 High	144 High
08/02	69.8	24.0	0.00	44.3	71.4	329 High	339 High
08/03	72.7	24.0	0.00	68.3	71.9	598 High	528 High
08/04	72.4	24.0	0.00	92.3	72.0	914 High	720 High
08/05	72.6	24.0	0.48	116.3	72.1	1265 High	914 High
08/06	67.2	24.0	0.00	140.3	71.3	1721 High	1129 High
08/07	65.6	18.3	0.00	158.3	70.6	2102 High	1293 High
08/08	62.4	21.3	0.00	0.0	0.0	0	0
08/09	63.1	24.0	0.00	0.0	0.0	0	0
08/10	75.4	24.0	0.01	16.3	79.7	42 Moderate	87 Moderate
08/11	77.6	24.0	0.00	40.3	78.5	175 High	240 High
08/12	69.8	24.0	0.00	64.3	75.2	450 High	451 High
08/13	66.1	24.0	0.02	88.3	72.7	827 High	677 High
08/14	71.1	24.0	0.00	112.3	72.4	1188 High	876 High
08/15	75.3	24.0	0.00	136.3	72.9	1525 High	1059 High
08/16	77.1	24.0	0.00	160.3	73.5	1856 High	1233 High
08/17	79.0	24.0	0.00	184.3	74.2	2169 High	1396 High
08/18	78.8	24.0	0.00	208.3	74.8	2496 High	1559 High

08/19	77.3	24.0	0.00	232.3	75.0	2866	High	1731	High
08/20	77.5	24.0	0.00	256.3	75.3	3246	High	1902	High
08/21	77.1	24.0	0.87	280.3	75.4	3648	High	2075	High
08/22	74.2	24.0	0.69	304.3	75.3	4130	High	2268	High
08/23	73.5	24.0	1.66	328.3	75.2	4647	High	2466	High
08/24	72.9	24.0	0.01	352.3	75.0	5197	High	2668	High
08/25	71.9	24.0	0.00	376.3	74.8	5790	High	2878	High
08/26	71.8	24.0	0.00	400.3	74.7	6402	High	3087	High
08/27	63.4	22.8	0.00	416.5	74.2	6987	High	3267	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

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
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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		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index	
	High	Mean						
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 Intensity	
						Catawba	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

Deerfield, MA Black Rot - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	84.2	58.1	17.8	2.41	Infection Risk
08/02	74.9	62.7	22.5	6.03	Infection Risk
08/03	84.6	59.8	16.8	8.49	Infection Risk
08/04	84.9	55.4	14.0	9.43	Infection Risk
08/05	84.9	59.3	14.0	2.47	Infection Risk
08/06	80.6	54.9	12.3	1.36	Infection Risk
08/07	78.4	52.9	9.3	1.04	Infection Risk
08/08	75.5	47.9	13.0	0.60	
08/09	68.8	50.1	19.3	2.34	Infection Risk
08/10	86.0	63.2	16.5	4.87	Infection Risk
08/11	88.2	67.9	13.8	7.09	Infection Risk
08/12	78.9	65.1	16.8	9.90	Infection Risk
08/13	74.5	62.2	16.8	12.61	Infection Risk
08/14	88.0	60.5	18.5	15.28	Infection Risk
08/15	91.4	60.4	17.3	17.78	Infection Risk
08/16	89.0	61.8	16.8	20.28	Infection Risk
08/17	92.2	65.8	18.5	23.21	Infection Risk
08/18	92.6	65.1	17.0	25.82	Infection Risk
08/19	89.4	66.9	16.8	28.53	Infection Risk
08/20	89.4	62.6	13.5	29.83	Infection Risk
08/21	90.5	70.5	22.3	4.19	Infection Risk
08/22	80.8	68.5	24.0	8.15	Infection Risk

08/23	82.5	68.4	24.0	12.06	Infection Risk
08/24	83.8	63.6	18.3	14.91	Infection Risk
08/25	85.1	61.8	17.8	17.48	Infection Risk
08/26	84.2	60.2	16.3	19.74	Infection Risk
08/27	75.9	51.2	7.8	20.08	Infection Risk

Deerfield, MA 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	84.2	58.1	17.8	11.8	1.45	High Infection Risk
08/02	74.9	62.7	22.5	18.5	2.88	High Infection Risk
08/03	84.6	59.8	16.8	9.8	1.33	High Infection Risk
08/04	84.9	55.4	14.0	6.8	0.46	Low Infection Risk
08/05	84.9	59.3	14.0	7.0	0.73	Moderate Infection Risk
08/06	80.6	54.9	12.3	5.3	0.00	
08/07	78.4	52.9	9.3	1.8	0.00	
08/08	75.5	47.9	13.3	3.5	0.00	
08/09	68.8	50.1	19.3	15.8	1.72	High Infection Risk
08/10	86.0	63.2	16.5	10.8	1.30	High Infection Risk
08/11	88.2	67.9	13.8	7.3	0.54	Moderate Infection Risk
08/12	78.9	65.1	16.8	10.3	1.53	High Infection Risk
08/13	74.5	62.2	16.8	7.0	1.53	High Infection Risk
08/14	88.0	60.5	18.5	11.0	1.70	High Infection Risk
08/15	91.4	60.4	17.3	8.8	1.37	High Infection Risk
08/16	89.0	61.8	16.8	9.0	1.24	High Infection Risk
08/17	92.2	65.8	18.5	11.5	1.56	High Infection Risk
08/18	92.6	65.1	17.0	8.8	1.19	High Infection Risk
08/19	89.4	66.9	16.8	7.8	1.28	High Infection Risk
08/20	89.4	62.6	13.5	6.8	0.58	Moderate Infection Risk
08/21	90.5	70.5	22.5	16.5	2.57	High Infection Risk
08/22	80.8	68.5	24.0	17.0	3.09	High Infection Risk
08/23	82.5	68.4	24.0	15.5	3.03	High Infection Risk
08/24	83.8	63.6	18.3	9.0	1.74	High Infection Risk
08/25	85.1	61.8	17.8	10.0	1.57	High Infection Risk
08/26	84.2	60.2	16.3	8.0	1.08	High Infection Risk
08/27	75.9	51.2	7.8		0.00	

Deerfield, MA 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	84.2	0.0	0.01	17.8	11.0	0.8	1	Primary Infection
08/02	74.9	>min	0.09	22.5	17.3	9.8	3	High Risk of Infection
08/03	84.6	>min		16.8	9.3	2.3	3	High Risk of Infection
08/04	84.9	>min		14.0	6.8	0.0	1	Possible Infection
08/05	84.9	>min		14.0	6.3	6.3	3	High Risk of Infection
08/06	80.6	>min		12.3	3.8	0.0	1	Possible Infection
08/07	78.4	>min		9.3	0.8	0.0	1	Possible Infection
08/08	75.5	>min		13.3	2.5	0.0	1	Possible Infection
08/09	68.8	>min	0.04	19.3	15.3	0.0	1	Possible Infection
08/10	86.0	>min	0.21	16.5	10.3	2.8	3	High Risk of Infection
08/11	88.2	>min		13.5	7.3	7.3	3	High Risk of Infection
08/12	78.9	>min	0.01	16.8	8.3	7.5	3	High Risk of Infection
08/13	74.5	>min		16.8	6.5	3.3	3	High Risk of Infection

08/14	88.0	>min		18.5	10.5	1.0	3	High Risk of Infection
08/15	91.4	>min		17.3	7.8	0.3	1	Possible Infection
08/16	89.0	>min		16.8	8.5	2.0	3	High Risk of Infection
08/17	92.2	>min		17.3	10.3	10.0	3	High Risk of Infection
08/18	92.6	>min	0.02	16.3	8.8	7.5	3	High Risk of Infection
08/19	89.4	>min		16.3	7.3	7.3	3	High Risk of Infection
08/20	89.4	>min		13.5	5.3	0.5	3	High Risk of Infection
08/21	90.5	>min	1.08	20.0	14.5	14.3	3	High Risk of Infection
08/22	80.8	>min	0.32	24.0	16.5	16.5	3	High Risk of Infection
08/23	82.5	>min	0.55	24.0	14.3	14.3	3	High Risk of Infection
08/24	83.8	>min		18.3	8.8	2.5	3	High Risk of Infection
08/25	85.1	>min		17.8	9.3	0.3	1	Possible Infection
08/26	84.2	>min		16.3	8.0	0.3	1	Possible Infection
08/27	75.9	>min		7.8	0.0	0.0	0	

Deerfield, MA Powdery Mildew - Grape From 2009-08-01 To 2009-08-28

Date	Temperature		Hours	Hours	Wet	Ascospore Infection	Conidial	
	High	Mean	70-85	>95	Hours		Index	
08/01	84.2	69.6	10.3	0.0	14.3			
08/02	74.9	68.9	11.5	0.0	22.5	Heavy		
08/03	84.6	71.0	10.5	0.0	13.8	Heavy	60	Heavy
08/04	84.9	70.4	13.5	0.0	14.0	Heavy	80	Heavy
08/05	84.9	71.7	11.5	0.0	12.5	Heavy	100	Heavy
08/06	80.6	66.9	9.8	0.0	11.5		100	Heavy
08/07	78.4	65.2	9.8	0.0	9.3		100	Heavy
08/08	75.5	61.0	6.5	0.0	13.3		100	Heavy
08/09	68.8	60.4	0.0	0.0	19.3	Heavy	90	Heavy
08/10	86.0	73.1	13.5	0.0	15.0	Heavy	100	Heavy
08/11	88.2	77.3	15.8	0.0	10.0	Heavy	100	Heavy
08/12	78.9	70.5	12.8	0.0	16.8	Heavy	100	Heavy
08/13	74.5	68.3	5.8	0.0	14.5	Heavy	90	Heavy
08/14	88.0	71.4	5.0	0.0	15.3	Heavy	80	Heavy
08/15	91.4	73.2	4.3	0.0	15.3	Heavy	70	Heavy
08/16	89.0	74.3	11.5	0.0	15.0	Heavy	90	Heavy
08/17	92.2	76.9	9.3	0.0	15.0	Heavy	100	Heavy
08/18	92.6	77.2	9.0	0.0	14.3	Heavy	100	Heavy
08/19	89.4	76.2	10.5	0.0	14.3		100	Heavy
08/20	89.4	75.5	10.8	0.0	13.0	Heavy	100	Heavy
08/21	90.5	76.6	19.5	0.0	18.5	Heavy	100	Heavy
08/22	80.8	72.9	16.8	0.0	20.8	Heavy	100	Heavy
08/23	82.5	73.2	17.3	0.0	20.8	Heavy	100	Heavy
08/24	83.8	72.1	12.5	0.0	14.0	Heavy	100	Heavy
08/25	85.1	70.4	9.8	0.0	15.0	Heavy	100	Heavy
08/26	84.2	70.5	11.5	0.0	13.5	Heavy	100	Heavy
08/27	75.9	62.5	4.8	0.0	7.0		90	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
Upper Temperature 100.0
Wetness Threshold 6.0

Deerfield, MA Phomopsis Cane+Leaf Spot - Grape From 2009-08-01 To 2009-08-28

Temp Wet Rain- Wet+ Wet Disease Intensity

Date	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
08/01	69.6	24.0	0.01	16.5	73.7	71 Moderate	115 High
08/02	68.9	24.0	0.09	40.5	70.9	297 High	312 High
08/03	71.0	23.5	0.00	58.5	71.5	489 High	453 High
08/04	70.4	23.5	0.00	0.0	0.0	0	0
08/05	71.7	21.3	0.00	0.0	0.0	0	0
08/06	66.9	20.0	0.00	0.0	0.0	0	0
08/07	65.2	14.3	0.00	0.0	0.0	0	0
08/08	61.0	15.0	0.00	0.0	0.0	0	0
08/09	60.4	23.8	0.04	6.8	64.1	26 Light	49 Moderate
08/10	73.1	24.0	0.21	30.8	71.1	198 High	234 High
08/11	77.3	23.0	0.00	48.5	73.6	334 High	355 High
08/12	70.5	24.0	0.01	7.5	69.9	28 Light	55 Moderate
08/13	68.3	24.0	0.00	31.5	68.7	223 High	246 High
08/14	71.4	24.0	0.00	55.5	69.9	484 High	439 High
08/15	73.2	24.0	0.00	79.5	70.9	778 High	630 High
08/16	74.3	24.0	0.00	103.5	71.7	1096 High	817 High
08/17	76.9	24.0	0.00	127.5	72.7	1406 High	994 High
08/18	77.2	24.0	0.02	151.5	73.4	1730 High	1169 High
08/19	76.2	24.0	0.00	175.5	73.8	2087 High	1347 High
08/20	75.5	24.0	0.00	199.5	74.0	2473 High	1530 High
08/21	76.6	24.0	1.08	223.5	74.2	2859 High	1707 High
08/22	72.9	24.0	0.32	247.5	74.1	3336 High	1906 High
08/23	73.2	24.0	0.55	271.5	74.0	3827 High	2103 High
08/24	72.1	24.0	0.00	295.5	73.9	4361 High	2308 High
08/25	70.4	24.0	0.00	319.5	73.6	4953 High	2521 High
08/26	70.5	24.0	0.00	343.5	73.4	5564 High	2735 High
08/27	62.5	19.0	0.00	356.0	72.9	6017 High	2874 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

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	86.4	61.9	15.8	2.45	Infection Risk
08/02	77.9	60.8	18.8	5.50	Infection Risk
08/03	86.2	64.7	14.8	7.91	Infection Risk
08/04	85.5	62.4	13.3	9.35	Infection Risk
08/05	86.9	69.6	10.0	2.21	Infection Risk
08/06	77.3	59.8	9.8	0.80	
08/07	80.6	53.6	13.3	1.49	Infection Risk
08/08	76.9	49.3	13.8	1.17	Infection Risk
08/09	73.3	50.9	14.3	1.00	Infection Risk
08/10	90.8	67.7	14.8	3.35	Infection Risk
08/11	90.2	71.3	15.3	5.80	Infection Risk

08/12	80.3	66.2	13.5	7.41	Infection Risk
08/13	71.8	59.7	24.0	4.61	Infection Risk
08/14	85.5	56.7	15.5	6.56	Infection Risk
08/15	86.7	58.9	16.0	8.78	Infection Risk
08/16	89.5	62.7	17.0	11.39	Infection Risk
08/17	92.3	68.2	18.0	14.22	Infection Risk
08/18	90.7	62.6	15.0	15.82	Infection Risk
08/19	88.7	68.7	14.0	2.16	Infection Risk
08/20	88.4	65.8	16.0	3.29	Infection Risk
08/21	89.8	75.4	20.0	6.05	Infection Risk
08/22	86.8	72.5	19.0	8.72	Infection Risk
08/23	88.6	70.0	15.0	10.42	Infection Risk
08/24	86.7	64.3	16.3	3.45	Infection Risk
08/25	85.4	60.9	14.5	4.78	Infection Risk
08/26	86.5	66.8	14.0	2.42	Infection Risk
08/27	78.7	54.8	12.8	1.78	Infection Risk

Griswold, 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	86.4	61.9	15.8	11.3	1.35	High Infection Risk
08/02	77.9	60.8	18.8	14.0	1.99	High Infection Risk
08/03	86.2	64.7	14.8	10.5	1.08	High Infection Risk
08/04	85.5	62.4	13.3	8.0	0.68	Moderate Infection Risk
08/05	86.9	69.6	10.0	1.8	0.00	
08/06	77.3	59.8	9.8	3.0	0.00	
08/07	80.6	53.6	13.3	8.8	0.05	Low Infection Risk
08/08	76.9	49.3	13.8	9.3	0.00	
08/09	73.3	50.9	14.3	7.8	0.18	Low Infection Risk
08/10	90.8	67.7	14.8	8.5	1.03	High Infection Risk
08/11	90.2	71.3	15.3	8.0	1.00	High Infection Risk
08/12	80.3	66.2	13.5	8.3	0.81	Moderate Infection Risk
08/13	71.8	59.7	24.0	15.5	3.33	High Infection Risk
08/14	85.5	56.7	15.5	11.8	1.06	High Infection Risk
08/15	86.7	58.9	16.0	10.5	1.09	High Infection Risk
08/16	89.5	62.7	17.0	11.5	1.29	High Infection Risk
08/17	92.3	68.2	18.8	11.3	1.69	High Infection Risk
08/18	90.7	62.6	15.0	8.0	0.85	Moderate Infection Risk
08/19	88.7	68.7	14.0	6.8	0.75	Moderate Infection Risk
08/20	88.4	65.8	16.0	9.8	1.07	High Infection Risk
08/21	89.8	75.4	20.0	8.3	1.93	High Infection Risk
08/22	86.8	72.5	19.0	1.3	1.72	High Infection Risk
08/23	88.6	70.0	15.0	2.0	1.04	High Infection Risk
08/24	86.7	64.3	16.3	11.5	1.39	High Infection Risk
08/25	85.4	60.9	14.5	11.0	0.90	Moderate Infection Risk
08/26	86.5	66.8	14.0	6.0	0.82	Moderate Infection Risk
08/27	78.7	54.8	12.8		0.08	Low Infection Risk

Griswold, 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	86.4	0.0		15.8	10.5	4.8	1	Primary Infection	
08/02	77.9	>min		18.8	11.0	7.8	3	High Risk of Infection	

08/03	86.2	>min		14.8	9.5	8.3	3	High Risk of Infection
08/04	85.5	>min		13.3	7.8	3.3	3	High Risk of Infection
08/05	86.9	>min		10.0	0.0	0.0	0	
08/06	77.3	>min		9.8	2.5	0.0	1	Possible Infection
08/07	80.6	>min		13.3	7.3	0.0	1	Possible Infection
08/08	76.9	>min		13.8	8.0	0.0	1	Possible Infection
08/09	73.3	>min		14.3	7.5	0.0	1	Possible Infection
08/10	90.8	>min	0.03	14.5	8.0	8.0	3	High Risk of Infection
08/11	90.2	>min	0.01	15.0	7.8	7.8	3	High Risk of Infection
08/12	80.3	>min		13.5	6.5	6.5	3	High Risk of Infection
08/13	71.8	>min	0.06	24.0	9.8	6.8	3	High Risk of Infection
08/14	85.5	>min		15.5	11.3	1.0	3	High Risk of Infection
08/15	86.7	>min		16.0	9.8	1.8	3	High Risk of Infection
08/16	89.5	>min		16.8	10.5	5.3	3	High Risk of Infection
08/17	92.3	>min		16.8	11.0	11.0	3	High Risk of Infection
08/18	90.7	>min		14.5	8.0	3.0	3	High Risk of Infection
08/19	88.7	>min		14.0	4.5	4.5	3	High Risk of Infection
08/20	88.4	>min		16.0	8.5	8.3	3	High Risk of Infection
08/21	89.8	>min		17.8	7.0	6.8	3	High Risk of Infection
08/22	86.8	>min	0.01	18.8	0.0	0.0	0	
08/23	88.6	>min		15.0	1.3	1.3	3	High Risk of Infection
08/24	86.7	>min		16.3	10.8	9.3	3	High Risk of Infection
08/25	85.4	>min		14.5	10.3	2.5	3	High Risk of Infection
08/26	86.5	>min		14.0	5.8	5.8	3	High Risk of Infection
08/27	78.7	>min		12.8	0.0	0.0	0	

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

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	86.4	72.4	6.0	0.0	13.0		
08/02	77.9	71.4	16.3	0.0	18.0	Heavy	
08/03	86.2	74.6	14.3	0.0	12.3	Heavy	60 Heavy
08/04	85.5	73.8	13.3	0.0	13.3	Heavy	80 Heavy
08/05	86.9	78.1	21.8	0.0	8.8		100 Heavy
08/06	77.3	68.2	9.3	0.0	8.5		100 Heavy
08/07	80.6	66.7	10.0	0.0	13.3	Heavy	100 Heavy
08/08	76.9	63.2	8.8	0.0	13.8		100 Heavy
08/09	73.3	63.8	2.3	0.0	13.0		90 Heavy
08/10	90.8	78.3	9.0	0.0	13.8	Heavy	100 Heavy
08/11	90.2	79.2	16.8	0.0	13.8		100 Heavy
08/12	80.3	71.4	18.8	0.0	12.0	Heavy	100 Heavy
08/13	71.8	67.4	2.8	0.0	21.3	Heavy	90 Heavy
08/14	85.5	69.8	10.3	0.0	14.0	Heavy	100 Heavy
08/15	86.7	72.8	10.3	0.0	14.3	Heavy	100 Heavy
08/16	89.5	75.3	10.0	0.0	14.3	Heavy	100 Heavy
08/17	92.3	77.3	5.0	0.0	14.3	Heavy	90 Heavy
08/18	90.7	76.7	9.0	0.0	13.5	Heavy	100 Heavy
08/19	88.7	78.1	12.3	0.0	12.5		100 Heavy
08/20	88.4	77.1	10.5	0.0	14.5	Heavy	100 Heavy
08/21	89.8	80.2	18.8	0.0	15.3		100 Heavy
08/22	86.8	79.4	22.0	0.0	15.0	Heavy	100 Heavy
08/23	88.6	77.4	20.3	0.0	12.5	Heavy	100 Heavy
08/24	86.7	74.7	5.8	0.0	14.3	Heavy	90 Heavy
08/25	85.4	72.4	11.5	0.0	14.5	Heavy	100 Heavy
08/26	86.5	76.2	16.0	0.0	12.3	Heavy	100 Heavy

08/27 78.7 66.7 9.8 0.0 12.0 100 Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Griswold, 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 Intensity Catawba	Seyval
08/01	72.4	22.3	0.00	0.0	0.0	0	0
08/02	71.4	24.0	0.00	0.0	0.0	0	0
08/03	74.6	22.8	0.00	0.0	0.0	0	0
08/04	73.8	22.0	0.00	0.0	0.0	0	0
08/05	78.1	24.0	0.00	0.0	0.0	0	0
08/06	68.2	21.3	0.00	0.0	0.0	0	0
08/07	66.7	20.3	0.00	0.0	0.0	0	0
08/08	63.2	15.8	0.00	0.0	0.0	0	0
08/09	63.8	18.8	0.00	0.0	0.0	0	0
08/10	78.3	24.0	0.03	20.3	79.8	57 Moderate	108 High
08/11	79.2	23.5	0.01	39.0	80.0	143 High	212 High
08/12	71.4	24.0	0.00	0.0	0.0	0	0
08/13	67.4	24.0	0.06	21.8	67.4	136 High	168 High
08/14	69.8	24.0	0.00	45.8	68.7	381 High	363 High
08/15	72.8	24.0	0.00	69.8	70.1	665 High	556 High
08/16	75.3	24.0	0.00	93.8	71.4	962 High	741 High
08/17	77.3	24.0	0.00	117.8	72.6	1256 High	916 High
08/18	76.7	22.0	0.00	135.0	73.1	1486 High	1043 High
08/19	78.1	24.0	0.00	0.0	0.0	0	0
08/20	77.1	24.0	0.00	0.0	0.0	0	0
08/21	80.2	24.0	0.00	0.0	0.0	0	0
08/22	79.4	24.0	0.01	11.0	79.6	24 Light	58 Moderate
08/23	77.4	24.0	0.00	35.0	78.1	149 High	212 High
08/24	74.7	23.3	0.00	53.3	77.4	288 High	339 High
08/25	72.4	23.3	0.00	0.0	0.0	0	0
08/26	76.2	22.5	0.00	0.0	0.0	0	0
08/27	66.7	18.0	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

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
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08/01	85.0	59.7	19.0	2.69	Infection Risk
08/02	79.3	63.6	24.0	6.59	Infection Risk
08/03	85.0	64.3	19.8	9.61	Infection Risk
08/04	85.5	66.4	16.0	12.12	Infection Risk
08/05	87.5	68.5	15.3	14.30	Infection Risk
08/06	78.9	61.1	4.3	0.63	
08/07	79.1	58.3	7.8	1.20	Infection Risk
08/08	77.5	57.2	4.5	0.55	
08/09	73.3	61.1	19.5	3.59	Infection Risk
08/10	90.4	69.3	21.3	6.58	Infection Risk
08/11	88.3	69.6	18.8	9.41	Infection Risk
08/12	82.5	67.9	19.8	12.72	Infection Risk
08/13	74.2	63.1	24.0	16.75	Infection Risk
08/14	85.8	58.5	20.5	19.51	Infection Risk
08/15	88.3	63.6	19.3	22.25	Infection Risk
08/16	91.7	64.2	18.0	24.89	Infection Risk
08/17	90.8	67.6	17.5	27.54	Infection Risk
08/18	91.3	66.8	16.8	29.98	Infection Risk
08/19	89.3	72.3	20.0	32.93	Infection Risk
08/20	89.1	69.7	21.5	35.95	Infection Risk
08/21	90.3	70.9	23.8	39.24	Infection Risk
08/22	85.0	70.3	24.0	42.82	Infection Risk
08/23	86.3	69.4	22.3	46.24	Infection Risk
08/24	84.3	65.8	19.8	49.36	Infection Risk
08/25	85.1	64.8	19.0	52.32	Infection Risk
08/26	86.8	62.8	17.0	54.82	Infection Risk
08/27	79.6	60.6	9.0	55.84	Infection Risk

Hamden, 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	85.0	59.7	19.0	9.8	1.68	High Infection Risk
08/02	79.3	63.6	24.0	18.5	3.19	High Infection Risk
08/03	85.0	64.3	19.8	10.5	1.88	High Infection Risk
08/04	85.5	66.4	16.0	8.3	1.06	High Infection Risk
08/05	87.5	68.5	15.3	6.8	0.41	Low Infection Risk
08/06	78.9	61.1	4.3	1.5	0.00	
08/07	79.1	58.3	7.8		0.00	
08/08	77.5	57.2	4.5		0.00	
08/09	73.3	61.1	19.5	7.0	2.10	High Infection Risk
08/10	90.4	69.3	22.0	8.0	2.10	High Infection Risk
08/11	88.3	69.6	18.8	6.0	1.63	High Infection Risk
08/12	82.5	67.9	19.8	0.8	2.15	High Infection Risk
08/13	74.2	63.1	24.0	13.0	3.36	High Infection Risk
08/14	85.8	58.5	20.5	10.5	2.07	High Infection Risk
08/15	88.3	63.6	19.3	9.3	1.76	High Infection Risk
08/16	91.7	64.2	19.5	9.8	1.80	High Infection Risk
08/17	90.8	67.6	20.0	9.3	1.91	High Infection Risk
08/18	91.3	66.8	17.5	7.3	1.28	High Infection Risk
08/19	89.3	72.3	20.0	5.3	1.91	High Infection Risk
08/20	89.1	69.7	21.5	7.8	2.12	High Infection Risk
08/21	90.3	70.9	24.0	13.5	2.77	High Infection Risk
08/22	85.0	70.3	24.0	11.3	2.70	High Infection Risk
08/23	86.3	69.4	22.3	10.5	2.36	High Infection Risk
08/24	84.3	65.8	19.8	9.8	1.99	High Infection Risk

08/25	85.1	64.8	19.0	2.0	1.73	High Infection Risk
08/26	86.8	62.8	17.0	7.5	1.19	High Infection Risk
08/27	79.6	60.6	9.0		0.00	

Hamden, 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	85.0	0.0	0.01	19.0	9.5	0.3	1	Primary Infection
08/02	79.3	>min	0.14	24.0	16.3	10.8	3	High Risk of Infection
08/03	85.0	>min		19.8	9.8	6.3	3	High Risk of Infection
08/04	85.5	>min		16.0	8.3	8.3	3	High Risk of Infection
08/05	87.5	>min		14.5	4.8	4.8	3	High Risk of Infection
08/06	78.9	>min		4.3	0.8	0.0	1	Possible Infection
08/07	79.1	>min		7.8	0.0	0.0	0	
08/08	77.5	>min		4.5	0.0	0.0	0	
08/09	73.3	>min		19.5	4.3	4.3	3	High Risk of Infection
08/10	90.4	>min	0.03	17.3	7.5	7.5	3	High Risk of Infection
08/11	88.3	>min		17.0	5.0	5.0	3	High Risk of Infection
08/12	82.5	>min		19.8	0.0	0.0	0	
08/13	74.2	>min	0.03	24.0	10.8	8.8	3	High Risk of Infection
08/14	85.8	>min		20.5	10.0	2.8	3	High Risk of Infection
08/15	88.3	>min		16.8	9.3	2.8	3	High Risk of Infection
08/16	91.7	>min		16.0	9.5	6.0	3	High Risk of Infection
08/17	90.8	>min		14.8	9.0	9.0	3	High Risk of Infection
08/18	91.3	>min		14.8	7.0	7.0	3	High Risk of Infection
08/19	89.3	>min		17.8	3.3	3.3	3	High Risk of Infection
08/20	89.1	>min		16.5	7.5	7.5	3	High Risk of Infection
08/21	90.3	>min	0.11	18.5	12.5	10.8	3	High Risk of Infection
08/22	85.0	>min	0.49	24.0	10.8	10.8	3	High Risk of Infection
08/23	86.3	>min		22.0	9.5	9.5	3	High Risk of Infection
08/24	84.3	>min		19.8	8.8	7.8	3	High Risk of Infection
08/25	85.1	>min		19.0	0.5	0.5	3	High Risk of Infection
08/26	86.8	>min		17.0	7.5	1.3	3	High Risk of Infection
08/27	79.6	>min		9.0	0.0	0.0	0	

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

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/01	85.0	71.8	12.0	0.0	13.5		
08/02	79.3	70.7	14.5	0.0	23.5	Heavy	
08/03	85.0	73.7	13.3	0.0	13.8	Heavy	60 Heavy
08/04	85.5	75.3	15.0	0.0	11.5	Heavy	80 Heavy
08/05	87.5	78.2	20.5	0.0	9.3		100 Heavy
08/06	78.9	68.7	10.0	0.0	3.8		100 Heavy
08/07	79.1	69.0	11.0	0.0	4.8		100 Heavy
08/08	77.5	66.2	8.3	0.0	4.3		100 Heavy
08/09	73.3	68.4	11.8	0.0	16.5	Heavy	100 Heavy
08/10	90.4	79.5	8.3	0.0	15.3	Heavy	100 Heavy
08/11	88.3	78.2	17.3	0.0	14.0		100 Heavy
08/12	82.5	72.9	18.3	0.0	15.3	Heavy	100 Heavy
08/13	74.2	68.6	7.5	0.0	20.8	Heavy	100 Heavy
08/14	85.8	72.1	11.8	0.0	14.8	Heavy	100 Heavy
08/15	88.3	75.1	4.8	0.0	14.0	Heavy	90 Heavy

08/16	91.7	77.1	10.3	0.0	13.5	Heavy	100	Heavy
08/17	90.8	78.7	5.3	0.0	14.3		90	Heavy
08/18	91.3	78.8	11.5	0.0	11.8	Heavy	100	Heavy
08/19	89.3	78.8	18.0	0.0	13.8		100	Heavy
08/20	89.1	78.8	16.3	0.0	14.5	Heavy	100	Heavy
08/21	90.3	79.2	18.0	0.0	18.5	Heavy	100	Heavy
08/22	85.0	76.5	24.0	0.0	15.3	Heavy	100	Heavy
08/23	86.3	75.8	21.0	0.0	15.0	Heavy	100	Heavy
08/24	84.3	73.5	13.5	0.0	14.5	Heavy	100	Heavy
08/25	85.1	73.8	12.5	0.0	14.0	Heavy	100	Heavy
08/26	86.8	74.7	14.5	0.0	9.8	Heavy	100	Heavy
08/27	79.6	68.3	9.3	0.0	6.8		100	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
Upper Temperature 100.0
Wetness Threshold 6.0

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

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Seyval
08/01	71.8	24.0	0.01	18.0	74.8	75 Moderate	122 High
08/02	70.7	24.0	0.14	42.0	72.5	290 High	315 High
08/03	73.7	24.0	0.00	66.0	72.9	541 High	498 High
08/04	75.3	24.0	0.00	90.0	73.5	813 High	677 High
08/05	78.2	24.0	0.00	114.0	74.5	1073 High	840 High
08/06	68.7	23.5	0.00	116.0	74.4	1109 High	859 High
08/07	69.0	21.5	0.00	0.0	0.0	0	0
08/08	66.2	15.3	0.00	0.0	0.0	0	0
08/09	68.4	24.0	0.00	0.0	0.0	0	0
08/10	79.5	24.0	0.03	20.5	80.8	51 Moderate	102 High
08/11	78.2	24.0	0.00	44.5	79.4	184 High	252 High
08/12	72.9	24.0	0.00	68.5	77.1	425 High	446 High
08/13	68.6	24.0	0.03	92.5	74.9	774 High	667 High
08/14	72.1	24.0	0.00	116.5	74.3	1120 High	864 High
08/15	75.1	24.0	0.00	140.5	74.5	1451 High	1046 High
08/16	77.1	24.0	0.00	164.5	74.9	1772 High	1217 High
08/17	78.7	24.0	0.00	188.5	75.3	2081 High	1378 High
08/18	78.8	24.0	0.00	212.5	75.7	2399 High	1538 High
08/19	78.8	24.0	0.00	236.5	76.0	2731 High	1698 High
08/20	78.8	24.0	0.00	260.5	76.3	3074 High	1858 High
08/21	79.2	24.0	0.11	284.5	76.5	3419 High	2015 High
08/22	76.5	24.0	0.49	308.5	76.5	3840 High	2193 High
08/23	75.8	24.0	0.00	332.5	76.5	4293 High	2376 High
08/24	73.5	24.0	0.00	356.5	76.3	4821 High	2576 High
08/25	73.8	24.0	0.00	380.5	76.1	5357 High	2775 High
08/26	74.7	24.0	0.00	404.5	76.0	5886 High	2967 High
08/27	68.3	20.5	0.00	421.5	75.8	6371 High	3130 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

Newport, RI Black Rot - Grape From 2009-08-01 To 2009-08-28

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/01	83.3	65.0	24.0	3.72	Infection Risk
08/02	76.6	65.1	24.0	7.82	Infection Risk
08/03	85.8	66.0	24.0	11.44	Infection Risk
08/04	80.2	63.6	24.0	15.25	Infection Risk
08/05	82.4	69.9	24.0	19.05	Infection Risk
08/06	76.2	64.4	24.0	23.05	Infection Risk
08/07	81.5	60.6	18.3	25.75	Infection Risk
08/08	78.6	56.9	11.3	26.53	Infection Risk
08/09	72.6	55.4	22.0	3.80	Infection Risk
08/10	88.2	69.6	24.0	7.22	Infection Risk
08/11	92.8	68.5	20.0	10.21	Infection Risk
08/12	76.4	67.0	24.0	14.27	Infection Risk
08/13	68.1	61.9	24.0	18.04	Infection Risk
08/14	80.2	59.2	24.0	21.55	Infection Risk
08/15	83.3	66.6	24.0	25.17	Infection Risk
08/16	85.6	67.7	24.0	28.83	Infection Risk
08/17	83.1	70.1	24.0	32.56	Infection Risk
08/18	90.1	65.5	23.8	35.92	Infection Risk
08/19	89.3	69.1	24.0	39.41	Infection Risk
08/20	83.8	67.4	24.0	43.06	Infection Risk
08/21	82.8	74.1	24.0	46.72	Infection Risk
08/22	81.7	73.8	24.0	50.36	Infection Risk
08/23	85.3	71.6	24.0	54.01	Infection Risk
08/24	87.4	68.4	24.0	57.67	Infection Risk
08/25	80.2	66.5	24.0	61.60	Infection Risk
08/26	86.2	69.9	24.0	65.13	Infection Risk
08/27	80.6	57.9	16.0	67.37	Infection Risk

Newport, RI 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	83.3	65.0	24.0	9.8	2.92	High Infection Risk
08/02	76.6	65.1	24.0	18.3	3.32	High Infection Risk
08/03	85.8	66.0	24.0	7.5	2.84	High Infection Risk
08/04	80.2	63.6	24.0	9.5	2.98	High Infection Risk
08/05	82.4	69.9	24.0	13.8	2.87	High Infection Risk
08/06	76.2	64.4	24.0		3.32	High Infection Risk
08/07	81.5	60.6	18.3		1.64	High Infection Risk
08/08	78.6	56.9	11.3		0.00	
08/09	72.6	55.4	22.0	3.3	2.57	High Infection Risk
08/10	88.2	69.6	24.0	8.8	2.52	High Infection Risk
08/11	92.8	68.5	24.0	5.8	2.73	High Infection Risk
08/12	76.4	67.0	24.0	9.0	3.33	High Infection Risk
08/13	68.1	61.9	24.0	24.0	3.31	High Infection Risk
08/14	80.2	59.2	24.0	11.8	2.93	High Infection Risk

08/15	83.3	66.6	24.0	11.5	2.83	High	Infection Risk
08/16	85.6	67.7	24.0	13.3	2.83	High	Infection Risk
08/17	83.1	70.1	24.0	10.8	2.78	High	Infection Risk
08/18	90.1	65.5	24.0	4.3	2.73	High	Infection Risk
08/19	89.3	69.1	24.0	6.5	2.73	High	Infection Risk
08/20	83.8	67.4	24.0	14.5	2.82	High	Infection Risk
08/21	82.8	74.1	24.0	19.3	2.78	High	Infection Risk
08/22	81.7	73.8	24.0	12.0	2.78	High	Infection Risk
08/23	85.3	71.6	24.0	14.0	2.81	High	Infection Risk
08/24	87.4	68.4	24.0	11.5	2.80	High	Infection Risk
08/25	80.2	66.5	24.0	11.5	3.13	High	Infection Risk
08/26	86.2	69.9	24.0	6.8	2.66	High	Infection Risk
08/27	80.6	57.9	16.0		1.06	High	Infection Risk

Newport, RI 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	83.3	0.0	0.01	24.0	9.3	7.3	1	Primary Infection
08/02	76.6	>min	0.01	24.0	18.0	17.5	3	High Risk of Infection
08/03	85.8	>min		24.0	7.5	7.5	3	High Risk of Infection
08/04	80.2	>min		24.0	8.3	6.5	3	High Risk of Infection
08/05	82.4	>min		24.0	13.5	13.5	3	High Risk of Infection
08/06	76.2	>min		24.0	0.0	0.0	0	
08/07	81.5	>min		18.3	0.0	0.0	0	
08/08	78.6	>min		11.3	0.0	0.0	0	
08/09	72.6	>min		22.0	2.0	0.0	1	Possible Infection
08/10	88.2	>min		22.0	8.3	8.3	3	High Risk of Infection
08/11	92.8	>min		17.5	4.5	4.5	3	High Risk of Infection
08/12	76.4	>min		24.0	7.8	7.8	3	High Risk of Infection
08/13	68.1	>min	0.31	24.0	23.8	16.5	3	High Risk of Infection
08/14	80.2	>min		24.0	10.5	3.0	3	High Risk of Infection
08/15	83.3	>min		24.0	10.8	10.8	3	High Risk of Infection
08/16	85.6	>min		24.0	12.8	12.8	3	High Risk of Infection
08/17	83.1	>min		24.0	10.5	10.5	3	High Risk of Infection
08/18	90.1	>min		18.5	3.8	3.5	3	High Risk of Infection
08/19	89.3	>min		23.3	4.0	4.0	3	High Risk of Infection
08/20	83.8	>min		24.0	13.8	13.8	3	High Risk of Infection
08/21	82.8	>min		24.0	18.3	16.8	3	High Risk of Infection
08/22	81.7	>min	0.03	24.0	11.5	9.8	3	High Risk of Infection
08/23	85.3	>min	0.57	24.0	13.5	13.5	3	High Risk of Infection
08/24	87.4	>min		23.3	10.5	10.5	3	High Risk of Infection
08/25	80.2	>min		24.0	9.8	9.8	3	High Risk of Infection
08/26	86.2	>min		23.8	6.8	6.8	3	High Risk of Infection
08/27	80.6	>min		16.0	0.0	0.0	0	

Newport, RI 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	83.3	72.2	12.3	0.0	17.5	Heavy	
08/02	76.6	70.7	13.3	0.0	24.0	Heavy	
08/03	85.8	74.9	16.0	0.0	21.3	Heavy	60 Heavy
08/04	80.2	73.0	18.3	0.0	19.8	Heavy	80 Heavy
08/05	82.4	74.9	23.8	0.0	24.0	Heavy	100 Heavy

08/06	76.2	69.3	11.5	0.0	11.5	Heavy	100	Heavy
08/07	81.5	70.7	11.8	0.0	9.5		100	Heavy
08/08	78.6	67.4	10.0	0.0	9.8		100	Heavy
08/09	72.6	66.1	3.5	0.0	17.5	Heavy	90	Heavy
08/10	88.2	77.6	12.5	0.0	23.5	Heavy	100	Heavy
08/11	92.8	79.0	15.8	0.0	24.0	Heavy	100	Heavy
08/12	76.4	69.9	9.0	0.0	24.0	Heavy	100	Heavy
08/13	68.1	65.9	0.0	0.0	24.0	Heavy	90	Heavy
08/14	80.2	69.3	10.3	0.0	22.3	Heavy	100	Heavy
08/15	83.3	74.5	17.0	0.0	22.8	Heavy	100	Heavy
08/16	85.6	75.1	15.3	0.0	23.5	Heavy	100	Heavy
08/17	83.1	75.1	24.0	0.0	24.0	Heavy	100	Heavy
08/18	90.1	77.5	11.0	0.0	21.5	Heavy	100	Heavy
08/19	89.3	77.4	19.0	0.0	23.3	Heavy	100	Heavy
08/20	83.8	75.2	19.0	0.0	24.0	Heavy	100	Heavy
08/21	82.8	76.4	24.0	0.0	24.0	Heavy	100	Heavy
08/22	81.7	76.5	24.0	0.0	24.0	Heavy	100	Heavy
08/23	85.3	76.2	23.5	0.0	24.0	Heavy	100	Heavy
08/24	87.4	75.7	20.8	0.0	24.0	Heavy	100	Heavy
08/25	80.2	72.0	14.3	0.0	24.0	Heavy	100	Heavy
08/26	86.2	76.7	24.0	0.0	19.5	Heavy	100	Heavy
08/27	80.6	68.5	10.5	0.0	6.5	Heavy	100	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
Upper Temperature 100.0
Wetness Threshold 6.0

Newport, RI 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	72.2	24.0	0.01	22.5	72.5	119 High	164 High
08/02	70.7	24.0	0.01	46.5	71.6	350 High	356 High
08/03	74.9	24.0	0.00	70.5	72.7	601 High	536 High
08/04	73.0	24.0	0.00	94.5	72.8	910 High	726 High
08/05	74.9	24.0	0.00	118.5	73.2	1229 High	909 High
08/06	69.3	24.0	0.00	142.5	72.5	1657 High	1119 High
08/07	70.7	24.0	0.00	166.5	72.3	2099 High	1323 High
08/08	67.4	24.0	0.00	190.5	71.7	2621 High	1542 High
08/09	66.1	24.0	0.00	214.5	71.0	3193 High	1763 High
08/10	77.6	24.0	0.00	238.5	71.7	3608 High	1946 High
08/11	79.0	24.0	0.00	262.5	72.4	4006 High	2121 High
08/12	69.9	24.0	0.00	286.5	72.2	4588 High	2333 High
08/13	65.9	24.0	0.31	310.5	71.7	5268 High	2562 High
08/14	69.3	24.0	0.00	334.5	71.5	5906 High	2777 High
08/15	74.5	24.0	0.00	358.5	71.7	6461 High	2973 High
08/16	75.1	24.0	0.00	382.5	71.9	7018 High	3167 High
08/17	75.1	24.0	0.00	406.5	72.1	7587 High	3361 High
08/18	77.5	24.0	0.00	430.5	72.4	8113 High	3545 High
08/19	77.4	24.0	0.00	454.5	72.7	8648 High	3728 High
08/20	75.2	24.0	0.00	478.5	72.8	9245 High	3921 High
08/21	76.4	24.0	0.00	502.5	73.0	9824 High	4108 High
08/22	76.5	24.0	0.03	526.5	73.1	10407 High	4295 High
08/23	76.2	24.0	0.57	550.5	73.3	11009 High	4483 High

08/24	75.7	24.0	0.00	574.5	73.4	11634	High	4674	High
08/25	72.0	24.0	0.00	598.5	73.3	12373	High	4884	High
08/26	76.7	24.0	0.00	622.5	73.4	12991	High	5070	High
08/27	68.5	24.0	0.00	646.5	73.3	13857	High	5299	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