

Newport, RI Black Rot - Grape From 2009-08-01 To 2009-08-13

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	67.0	65.8	9.0	15.71	Infection Risk

Newport, RI Botrytis - Grape From 2009-08-01 To 2009-08-13

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	67.0	65.8	9.0	9.0	0.00	

Newport, RI Downy Mildew - Grape From 2009-08-01 To 2009-08-13

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	67.0	>min	0.10	9.0	8.8	7.0	3	High Risk of Infection

Newport, RI Powdery Mildew - Grape From 2009-08-01 To 2009-08-13

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	

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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	67.0	66.2	0.0	0.0	9.5	Heavy	90	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 2009-08-13

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensi ty Seyval
08/01	72.2	24.0	0.01	22.5	72.5	119	Hi gh 164
08/02	70.7	24.0	0.01	46.5	71.6	350	Hi gh 356
08/03	74.9	24.0	0.00	70.5	72.7	601	Hi gh 536
08/04	73.0	24.0	0.00	94.5	72.8	910	Hi gh 726
08/05	74.9	24.0	0.00	118.5	73.2	1229	Hi gh 909
08/06	69.3	24.0	0.00	142.5	72.5	1657	Hi gh 1119
08/07	70.7	24.0	0.00	166.5	72.3	2099	Hi gh 1323
08/08	67.4	24.0	0.00	190.5	71.7	2621	Hi gh 1542
08/09	66.1	24.0	0.00	214.5	71.0	3193	Hi gh 1763
08/10	77.6	24.0	0.00	238.5	71.7	3608	Hi gh 1946
08/11	79.0	24.0	0.00	262.5	72.4	4006	Hi gh 2121
08/12	69.9	24.0	0.00	286.5	72.2	4588	Hi gh 2333
08/13	66.2	9.0	0.10	296.0	72.0	4853	Hi gh 2424

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