

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