

Newport RI Black Rot - Grape From 2010-08-15 To 2010-09-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	75.9	54.6	7.5	0.61	
08/16	79.4	67.6	11.3	1.38	Infection Risk
08/17	85.1	69.8	10.5	2.12	Infection Risk
08/18	81.2	65.2	5.5	1.06	Infection Risk
08/19	86.0	58.8	6.5	0.86	
08/20	89.6	61.5	4.8	0.39	
08/21	79.0	55.8	5.5	0.80	
08/22	70.1	67.2	20.5	3.52	Infection Risk
08/23	68.5	61.2	20.8	6.58	Infection Risk
08/24	65.3	60.5	21.3	9.31	Infection Risk
08/25	71.5	62.9	12.0	11.03	Infection Risk
08/26	85.9	61.6	6.0	0.91	
08/27	80.1	57.5	2.0	0.19	
08/28	83.8	55.7		0.00	
08/29	94.7	59.4	3.8	0.41	
08/30	94.3	65.0		0.00	
08/31	95.7	66.7		0.00	
09/01	98.5	70.6		0.00	

Newport RI Botrytis - Grape From 2010-08-15 To 2010-09-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/15	75.9	54.6	7.5	7.5	0.00	
08/16	79.4	67.6	11.3	12.3	0.27	Low Infection Risk
08/17	85.1	69.8	10.5	10.3	0.00	
08/18	81.2	65.2	5.5	3.3	0.00	
08/19	86.0	58.8	6.5	6.3	0.00	
08/20	89.6	61.5	4.8	2.3	0.00	
08/21	79.0	55.8	5.5		0.00	
08/22	70.1	67.2	20.5	10.5	2.60	High Infection Risk
08/23	68.5	61.2	20.8	16.5	2.41	High Infection Risk
08/24	65.3	60.5	21.3	23.3	2.81	High Infection Risk
08/25	71.5	62.9	12.0	16.5	1.23	High Infection Risk
08/26	85.9	61.6	6.0	7.0	0.00	
08/27	80.1	57.5	2.0		0.00	
08/28	83.8	55.7			0.00	
08/29	94.7	59.4	3.8	1.0	0.00	
08/30	94.3	65.0			0.00	
08/31	95.7	66.7			0.00	
09/01	98.5	70.6			0.00	

Newport RI Downy Mildew - Grape From 2010-08-15 To 2010-09-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/15	75.9	0.0		7.5	7.5	0.0	1	Primary Infection
08/16	79.4	>min	0.16	11.3	8.5	8.5	3	High Risk of Infection
08/17	85.1	>min	0.15	10.5	10.0	10.0	3	High Risk of Infection
08/18	81.2	>min		5.5	2.0	1.8	3	High Risk of Infection
08/19	86.0	>min		6.5	6.3	0.5	3	High Risk of Infection
08/20	89.6	>min		4.8	1.0	0.0	1	Possible Infection
08/21	79.0	>min		5.5	0.0	0.0	0	
08/22	70.1	>min	0.78	20.5	5.8	5.8	3	High Risk of Infection
08/23	68.5	>min	0.05	20.8	14.3	4.5	3	High Risk of Infection
08/24	65.3	>min	0.06	21.3	21.8	0.0	1	Possible Infection
08/25	71.5	>min	0.29	12.0	15.8	5.0	3	High Risk of Infection
08/26	85.9	>min	0.01	6.0	6.5	0.5	3	High Risk of Infection
08/27	80.1	>min		2.0	0.0	0.0	0	
08/28	83.8	>min			0.0	0.0	0	
08/29	94.7	>min		3.8	0.0	0.0	0	
08/30	94.3	>min			0.0	0.0	0	
08/31	95.7	>min			0.0	0.0	0	
09/01	98.5	>min			0.0	0.0	0	

Newport RI Powdery Mildew - Grape From 2010-08-15 To 2010-09-01

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/15	75.9	66.7	10.3	0.0	7.5		
08/16	79.4	72.2	15.0	0.0	11.3		
08/17	85.1	76.2	23.5	0.0	10.5		60 Heavy
08/18	81.2	72.1	12.8	0.0	4.8		80 Heavy
08/19	86.0	73.0	14.8	0.0	6.5		100 Heavy
08/20	89.6	74.4	4.3	0.0	4.8		90 Heavy
08/21	79.0	68.3	10.5	0.0	5.5		100 Heavy
08/22	70.1	68.7	0.5	0.0	20.0	Heavy	90 Heavy
08/23	68.5	64.4	0.0	0.0	19.8	Heavy	80 Heavy
08/24	65.3	62.6	0.0	0.0	21.0	Heavy	70 Heavy
08/25	71.5	66.5	3.3	0.0	12.0	Heavy	60 Heavy
08/26	85.9	71.5	10.5	0.0	5.8		80 Heavy
08/27	80.1	68.0	10.8	0.0	2.0		100 Heavy
08/28	83.8	69.4	11.0	0.0	0.0		100 Heavy
08/29	94.7	75.9	4.3	0.0	3.8		90 Heavy
08/30	94.3	77.5	4.0	0.0	0.0		80 Heavy
08/31	95.7	81.0	5.5	1.5	0.0		70 Heavy
09/01	98.5	81.6	13.8	1.8	0.0		80 Heavy

Newport RI Phomopsis Cane+Leaf Spot - Grape From 2010-08-15 To 2010-09-01

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/15	66.7	7.5	0.00	0.0	0.0	0	0
08/16	72.2	12.5	0.16	7.8	69.1	30 Light	57 Moderate
08/17	76.2	11.0	0.15	7.8	73.7	24 Light	53 Moderate
08/18	72.1	6.0	0.00	0.0	0.0	0	0
08/19	73.0	6.8	0.00	0.0	0.0	0	0
08/20	74.4	5.3	0.00	0.0	0.0	0	0
08/21	68.3	6.3	0.00	0.0	0.0	0	0
08/22	68.7	21.8	0.78	18.5	68.3	105 High	142 High
08/23	64.4	23.8	0.05	35.5	65.8	281 High	279 High
08/24	62.6	23.0	0.06	50.5	64.8	469 High	399 High
08/25	66.5	13.3	0.29	29.5	64.3	218 High	227 High
08/26	71.5	7.8	0.01	0.0	0.0	0	0
08/27	68.0	2.0	0.00	0.0	0.0	0	0
08/28	69.4	0.0	0.00	0.0	0.0	0	0
08/29	75.9	4.5	0.00	0.0	0.0	0	0
08/30	77.5	0.0	0.00	0.0	0.0	0	0
08/31	81.0	0.0	0.00	0.0	0.0	0	0
09/01	81.6	0.0	0.00	0.0	0.0	0	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