

Newport Black Rot - Grape From 2011-08-15 To 2011-08-29

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	70.3	60.9	24.0	3.91	Infection Risk
08/16	77.6	60.2	9.5	4.60	Infection Risk
08/17	90.7	59.7	8.0	1.11	Infection Risk
08/18	83.3	66.2	7.0	1.43	Infection Risk
08/19	85.6	66.4	6.5	0.95	
08/20	82.8	68.9	10.0	2.51	Infection Risk
08/21	83.0	67.1	13.5	1.46	Infection Risk
08/22	81.0	59.3	7.5	2.33	Infection Risk
08/23	82.4	57.7		0.00	
08/24	78.5	62.3	2.3	0.32	
08/25	79.7	68.1	13.3	1.34	Infection Risk
08/26	90.5	68.5	10.3	2.65	Infection Risk
08/27	75.7	67.6	24.0	4.53	Infection Risk
08/28	74.5	65.8	24.0	8.57	Infection Risk
08/29	80.3	59.3	8.0	9.61	Infection Risk

Newport Botrytis - Grape From 2011-08-15 To 2011-08-29

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/15	70.3	60.9	24.0	23.5	3.33	High Infection Risk
08/16	77.6	60.2	9.5	11.5	0.00	
08/17	90.7	59.7	8.0	9.3	0.00	
08/18	83.3	66.2	7.0	8.0	0.00	
08/19	85.6	66.4	6.5	8.3	0.00	
08/20	82.8	68.9	10.0	10.0	0.00	
08/21	83.0	67.1	13.5	12.8	0.77	Moderate Infection Risk
08/22	81.0	59.3	7.5	7.5	0.00	
08/23	82.4	57.7			0.00	
08/24	78.5	62.3	2.3	1.8	0.00	
08/25	79.7	68.1	13.3	10.5	0.62	Moderate Infection Risk
08/26	90.5	68.5	10.3	6.8	0.00	
08/27	75.7	67.6	24.0	23.0	3.21	High Infection Risk
08/28	74.5	65.8	24.0	14.0	3.30	High Infection Risk
08/29	80.3	59.3	8.0		0.00	

Newport Downy Mildew - Grape From 2011-08-15 To 2011-08-29

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/15	70.3	0.0	2.09	24.0	21.5	15.3	1	Primary Infection
08/16	77.6	>min		9.5	10.8	0.0	1	Possible Infection
08/17	90.7	>min		8.0	8.5	1.8	3	High Risk of Infection
08/18	83.3	>min		7.0	7.0	7.0	3	High Risk of Infection
08/19	85.6	>min		6.5	6.8	6.8	3	High Risk of Infection
08/20	82.8	>min		10.0	9.0	9.0	3	High Risk of Infection
08/21	83.0	>min		13.5	9.0	9.0	3	High Risk of Infection
08/22	81.0	>min	0.05	7.5	7.5	7.5	3	High Risk of Infection
08/23	82.4	>min			0.0	0.0	0	
08/24	78.5	>min		2.3	0.8	0.0	1	Possible Infection
08/25	79.7	>min		13.3	5.5	5.5	3	High Risk of Infection
08/26	90.5	>min		10.3	5.3	5.3	3	High Risk of Infection
08/27	75.7	>min	0.11	24.0	22.8	22.8	3	High Risk of Infection
08/28	74.5	>min	0.79	24.0	11.8	11.8	3	High Risk of Infection
08/29	80.3	>min		8.0	0.0	0.0	0	

Newport Powdery Mildew - Grape From 2011-08-15 To 2011-08-29

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/15	70.3	67.2	1.8	0.0	24.0	Heavy	
08/16	77.6	66.3	8.0	0.0	7.8	Heavy	
08/17	90.7	72.3	10.5	0.0	7.5		
08/18	83.3	74.2	17.5	0.0	6.8		60 Heavy
08/19	85.6	74.2	19.5	0.0	6.3		80 Heavy
08/20	82.8	73.8	17.0	0.0	9.5	Heavy	100 Heavy
08/21	83.0	74.1	17.5	0.0	12.3		100 Heavy
08/22	81.0	71.9	15.0	0.0	7.5		100 Heavy
08/23	82.4	68.9	10.0	0.0	0.0		100 Heavy
08/24	78.5	70.3	11.3	0.0	2.0		100 Heavy
08/25	79.7	73.3	17.3	0.0	13.0		100 Heavy
08/26	90.5	77.2	13.8	0.0	10.0	Heavy	100 Heavy
08/27	75.7	72.5	20.8	0.0	24.0	Heavy	100 Heavy
08/28	74.5	70.5	13.3	0.0	24.0	Heavy	100 Heavy
08/29	80.3	69.0	7.5	0.0	7.8	Heavy	100 Heavy

Newport Phomopsis Cane+Leaf Spot - Grape From 2011-08-15 To 2011-08-29

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/15	67.2	24.0	2.09	24.0	67.2	157 High	186 High
08/16	66.3	11.0	0.00	30.8	65.8	229 High	240 High
08/17	72.3	8.8	0.00	0.0	0.0	0	0
08/18	74.2	8.3	0.00	0.0	0.0	0	0
08/19	74.2	8.3	0.00	0.0	0.0	0	0
08/20	73.8	10.3	0.00	0.0	0.0	0	0
08/21	74.1	15.0	0.00	0.0	0.0	0	0
08/22	71.9	7.8	0.05	6.3	70.5	21 Light	45 Moderate
08/23	68.9	0.0	0.00	0.0	0.0	0	0
08/24	70.3	2.3	0.00	0.0	0.0	0	0
08/25	73.3	14.3	0.00	0.0	0.0	0	0
08/26	77.2	11.3	0.00	0.0	0.0	0	0
08/27	72.5	24.0	0.11	13.8	74.1	54 Moderate	94 High
08/28	70.5	24.0	0.79	37.8	71.8	257 High	286 High
08/29	69.0	9.0	0.00	46.8	70.3	373 High	366 High

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