

Newport Black Rot - Grape From 2011-07-14 To 2011-08-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/14	89.2	47.5		0.00	
07/15	96.0	43.6		0.00	
07/16	97.3	54.4		0.00	
07/17	93.5	49.2		0.00	
07/18	97.5	75.5		0.00	
07/19	98.0	51.3	0.3	0.02	
07/20	98.6	68.6		0.00	
07/21	98.4	87.4		0.00	
07/22	99.9	73.0	3.0	0.44	
07/23	93.4	66.6	0.5	0.52	
07/24	89.7	67.1	3.5	0.59	
07/25	72.5	62.9	12.0	0.99	
07/26	80.2	63.3	13.0	1.87	Infection Risk
07/27	84.9	61.8	6.8	1.96	Infection Risk
07/28	87.0	64.5	4.3	0.62	
07/29	78.8	65.8	17.3	3.56	Infection Risk
07/30	92.3	64.0	7.0	4.67	Infection Risk
07/31	90.5	63.6	1.0	0.22	
08/01	87.2	67.6	2.0	0.34	

Newport Botrytis - Grape From 2011-07-14 To 2011-08-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
07/14	89.2	47.5			0.00	
07/15	96.0	43.6	2.3		0.00	
07/16	97.3	54.4	5.3		0.00	
07/17	93.5	49.2			0.00	
07/18	97.5	75.5	6.8		0.00	
07/19	98.0	51.3	11.3		0.00	
07/20	98.6	68.6	12.0		0.00	
07/21	98.4	87.4	17.0		1.04	High Infection Risk
07/22	99.9	73.0	10.0	1.3	0.00	
07/23	93.4	66.6	0.5		0.00	
07/24	89.7	67.1	3.5	1.8	0.00	
07/25	72.5	62.9	12.0	3.3	0.31	Low Infection Risk
07/26	80.2	63.3	13.0	11.0	0.57	Moderate Infection Risk
07/27	84.9	61.8	6.8	6.8	0.00	
07/28	87.0	64.5	4.3	5.3	0.00	
07/29	78.8	65.8	17.3	16.8	1.65	High Infection Risk
07/30	92.3	64.0	7.0	5.5	0.00	
07/31	90.5	63.6	1.0	0.3	0.00	
08/01	87.2	67.6	2.0	1.8	0.00	

Newport Downy Mildew - Grape From 2011-07-14 To 2011-08-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/14	89.2				0.0	0.0	0	
07/15	96.0				0.0	0.0	0	
07/16	97.3				0.0	0.0	0	
07/17	93.5				0.0	0.0	0	
07/18	97.5	0.0	0.02		0.0	0.0	0	Primary Infection
07/19	98.0	>min			0.0	0.0	0	
07/20	98.6	>min			0.0	0.0	0	
07/21	98.4	>min			0.0	0.0	0	
07/22	99.9	>min		2.8	0.3	0.3	0	
07/23	93.4	>min		0.5	0.0	0.0	0	
07/24	89.7	>min		3.5	0.3	0.3	0	
07/25	72.5	>min	0.09	12.0	1.3	0.0	1	Possible Infection
07/26	80.2	>min	0.10	13.0	8.8	5.3	3	High Risk of Infection
07/27	84.9	>min	0.01	6.8	6.8	0.8	3	High Risk of Infection
07/28	87.0	>min		4.3	4.5	4.5	3	High Risk of Infection
07/29	78.8	>min		17.3	15.0	14.8	3	High Risk of Infection
07/30	92.3	>min		7.0	5.5	5.5	3	High Risk of Infection
07/31	90.5	>min		1.0	0.0	0.0	0	
08/01	87.2	>min		2.0	1.0	1.0	3	High Risk of Infection

Newport Powdery Mildew - Grape From 2011-07-14 To 2011-08-01

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/14	89.2	67.6	2.3	0.0	0.0		
07/15	96.0	76.6	3.0	2.0	0.0		
07/16	97.3	81.6	3.5	4.8	0.0		
07/17	93.5	76.2	2.5	0.0	0.0		
07/18	97.5	87.8	8.3	3.0	0.0		
07/19	98.0	82.3	2.5	9.5	0.0		
07/20	98.6	87.5	4.8	11.8	0.0		
07/21	98.4	95.4	0.0	15.8	0.0		
07/22	99.9	90.9	4.3	13.0	2.8		
07/23	93.4	79.0	18.8	0.0	0.0		
07/24	89.7	76.6	17.3	0.0	2.8		
07/25	72.5	67.4	5.0	0.0	12.0		
07/26	80.2	70.1	12.0	0.0	12.8	Heavy	
07/27	84.9	70.3	5.3	0.0	6.5		
07/28	87.0	73.3	11.0	0.0	4.3		
07/29	78.8	72.0	16.8	0.0	17.0	Heavy	
07/30	92.3	80.0	9.5	0.0	7.0	Heavy	60 Heavy
07/31	90.5	76.1	13.5	0.0	1.0		80 Heavy
08/01	87.2	75.1	3.0	0.0	2.0		70 Heavy

Newport Phomopsis Cane+Leaf Spot - Grape From 2011-07-14 To 2011-08-01

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/14	67.6	0.0	0.00	0.0	0.0	0	0
07/15	76.6	1.8	0.00	0.0	0.0	0	0
07/16	81.6	1.5	0.00	0.0	0.0	0	0
07/17	76.2	0.0	0.00	0.0	0.0	0	0
07/18	87.8	4.8	0.02	6.5	94.8	0 Light	1 Light
07/19	82.3	3.3	0.00	14.5	95.6	0 Light	0 Light
07/20	87.5	1.3	0.00	0.0	0.0	0	0
07/21	95.4	3.0	0.00	0.0	0.0	0	0
07/22	90.9	4.5	0.00	0.0	0.0	0	0
07/23	79.0	2.0	0.00	0.0	0.0	0	0
07/24	76.6	4.3	0.00	0.0	0.0	0	0
07/25	67.4	12.3	0.09	11.5	65.0	56 Moderate	86 Moderate
07/26	70.1	13.8	0.10	18.3	65.7	109 High	139 High
07/27	70.3	7.3	0.01	12.5	66.2	63 Moderate	94 High
07/28	73.3	5.5	0.00	0.0	0.0	0	0
07/29	72.0	18.8	0.00	0.0	0.0	0	0
07/30	80.0	7.5	0.00	0.0	0.0	0	0
07/31	76.1	1.5	0.00	0.0	0.0	0	0
08/01	75.1	2.5	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