

Newport 2011 Black Rot - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/22	60.4	47.6	3.8	0.16	
05/23	60.3	47.3	15.0	1.02	Infection Risk
05/24	70.0	59.0	11.5	2.07	Infection Risk
05/25	83.9	54.8	9.0	0.77	
05/26	68.7	51.9	16.3	1.71	Infection Risk
05/27	77.6	59.1	12.5	2.67	Infection Risk
05/28	75.5	60.7	12.5	1.72	Infection Risk
05/29	74.6	62.0	15.8	2.10	Infection Risk
05/30	87.5	61.7	10.3	1.66	Infection Risk
05/31	85.5	58.5	8.8	1.26	Infection Risk
06/01	70.8	58.5	12.5	1.80	Infection Risk
06/02	80.7	54.4	5.5	0.86	
06/03	73.4	48.8	1.0	0.05	
06/04	74.3	44.9	2.3	0.15	
06/05	68.0	42.2	0.3	0.01	
06/06	79.4	52.1	3.3	0.19	

Newport 2011 Downy Mildew - Grape From 2011-05-22 To 2011-06-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/22	60.4	0.0		5.8	7.5	0.0	1	Primary Infection
05/23	60.3	>min	0.04	19.5	22.5	0.0	1	Possible Infection
05/24	70.0	>min	0.48	11.5	15.3	0.0	1	Possible Infection
05/25	83.9	>min		9.0	9.8	0.0	1	Possible Infection
05/26	68.7	>min		16.3	20.3	0.3	1	Possible Infection
05/27	77.6	>min		12.5	14.3	0.5	3	High Risk of Infection
05/28	75.5	>min		12.5	16.0	2.8	3	High Risk of Infection
05/29	74.6	>min		15.8	17.8	2.3	3	High Risk of Infection
05/30	87.5	>min		10.3	12.3	2.8	3	High Risk of Infection
05/31	85.5	>min		8.8	8.3	2.5	3	High Risk of Infection
06/01	70.8	>min	0.02	12.5	12.0	2.3	3	High Risk of Infection
06/02	80.7	>min		5.5	4.5	0.0	1	Possible Infection
06/03	73.4	>min		1.0	0.0	0.0	0	
06/04	74.3	>min		2.5	0.0	0.0	0	
06/05	68.0	>min		5.5	4.8	0.0	1	Possible Infection
06/06	79.4	>min		3.3	3.0	0.0	1	Possible Infection

Newport 2011 Powdery Mildew - Grape From 2011-05-22 To 2011-06-06

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
	High	Mean					
05/22	60.4	52.9	0.0	0.0	5.5		
05/23	60.3	52.9	0.0	0.0	19.0	Heavy	
05/24	70.0	62.1	0.3	0.0	11.3	Heavy	
05/25	83.9	65.1	7.3	0.0	9.0		
05/26	68.7	59.9	0.0	0.0	16.3	Heavy	
05/27	77.6	65.4	2.8	0.0	12.0	Heavy	
05/28	75.5	66.2	4.3	0.0	12.0		
05/29	74.6	66.2	4.5	0.0	15.5	Heavy	
05/30	87.5	71.1	5.5	0.0	10.3		
05/31	85.5	70.1	10.3	0.0	8.8		
06/01	70.8	65.3	1.3	0.0	11.0	Heavy	
06/02	80.7	66.5	9.0	0.0	5.3		
06/03	73.4	59.8	2.8	0.0	0.8		
06/04	74.3	59.3	5.3	0.0	1.8		
06/05	68.0	56.2	0.0	0.0	5.5		
06/06	79.4	63.5	5.3	0.0	3.3		

Newport 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-22 To 2011-06-06

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/22	52.9	6.8	0.00	0.0	0.0	0	0
05/23	52.9	21.0	0.04	3.3	59.0	9 Light	20 Light
05/24	62.1	12.0	0.48	13.5	59.9	68 Moderate	91 High
05/25	65.1	9.5	0.00	0.0	0.0	0	0
05/26	59.9	18.5	0.00	0.0	0.0	0	0
05/27	65.4	13.3	0.00	0.0	0.0	0	0
05/28	66.2	12.8	0.00	0.0	0.0	0	0
05/29	66.2	16.8	0.00	0.0	0.0	0	0
05/30	71.1	11.5	0.00	0.0	0.0	0	0
05/31	70.1	9.0	0.00	0.0	0.0	0	0
06/01	65.3	16.8	0.02	3.8	66.1	11 Light	27 Light
06/02	66.5	6.0	0.00	0.0	0.0	0	0
06/03	59.8	1.3	0.00	0.0	0.0	0	0
06/04	59.3	4.0	0.00	0.0	0.0	0	0
06/05	56.2	6.0	0.00	0.0	0.0	0	0
06/06	63.5	4.0	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