

Newport 2011 Black Rot - Grape From 2011-05-01 To 2011-05-31

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	61.9	40.6		0.00	
05/02	62.7	36.3		0.00	
05/03	59.7	46.8	1.8	0.06	
05/04	58.5	47.2	18.3	1.32	Infection Risk
05/05	61.0	42.8	0.5	1.32	Infection Risk
05/06	63.7	43.5		0.00	
05/07	65.3	48.2	0.5	0.02	
05/08	65.1	45.7	4.3	0.18	
05/09	66.9	49.8		0.00	
05/10	59.3	48.1	0.8	0.02	
05/11	61.8	47.0	1.0	0.06	
05/12	60.3	49.2		0.00	
05/13	69.3	43.7	1.5	0.06	
05/14	55.1	44.0	5.5	0.17	
05/15	64.0	49.7	15.0	1.18	Infection Risk
05/16	58.9	47.8	15.8	1.90	Infection Risk
05/17	59.4	47.6	12.8	2.48	Infection Risk
05/18	65.6	51.0	16.8	3.97	Infection Risk
05/19	70.3	57.4	19.3	6.17	Infection Risk
05/20	70.6	53.0	14.8	7.03	Infection Risk
05/21	72.2	52.4	14.8	1.01	Infection Risk
05/22	60.4	47.6	3.8	0.46	
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	74.1	62.4	5.5	1.26	Infection Risk

Newport 2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-31

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	61.9	0.0		1.8	0.3	0.0	0	Primary Infection
05/02	62.7	>min		0.3	0.3	0.0	0	
05/03	59.7	>min		4.3	1.5	0.0	1	Possible Infection
05/04	58.5	>min	0.20	19.8	22.8	0.0	1	Possible Infection
05/05	61.0	>min		3.5	2.5	0.0	1	Possible Infection
05/06	63.7	>min			0.0	0.0	0	
05/07	65.3	>min	0.40	0.5	0.0	0.0	0	
05/08	65.1	>min		6.5	5.5	0.0	1	Possible Infection
05/09	66.9	>min			0.0	0.0	0	
05/10	59.3	>min		0.8	0.0	0.0	0	
05/11	61.8	>min		7.5	0.3	0.0	0	
05/12	60.3	>min			0.0	0.0	0	
05/13	69.3	>min		5.8	1.5	0.0	1	Possible Infection
05/14	55.1	>min		11.0	9.8	0.0	1	Possible Infection
05/15	64.0	>min	0.10	15.0	16.8	0.0	1	Possible Infection
05/16	58.9	>min	0.06	18.5	19.0	0.0	1	Possible Infection
05/17	59.4	>min	0.26	17.0	19.8	0.0	1	Possible Infection
05/18	65.6	>min	0.19	16.8	17.8	0.0	1	Possible Infection
05/19	70.3	>min	0.88	19.3	20.3	0.3	1	Possible Infection
05/20	70.6	>min	0.27	14.8	19.0	0.0	1	Possible Infection
05/21	72.2	>min		14.8	16.3	0.0	1	Possible Infection
05/22	60.4	>min		5.8	7.5	0.0	1	Possible 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	74.1	>min		5.5	5.5	2.5	3	High Risk of Infection

Newport 2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-31

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/01	61.9	51.0	0.0	0.0	4.8		
05/02	62.7	51.3	0.0	0.0	6.3		
05/03	59.7	53.6	0.0	0.0	3.8		
05/04	58.5	54.7	0.0	0.0	19.0	Heavy	
05/05	61.0	50.8	0.0	0.0	3.3	Heavy	
05/06	63.7	54.2	0.0	0.0	0.0		
05/07	65.3	55.8	0.0	0.0	0.0		
05/08	65.1	55.7	0.0	0.0	6.3		
05/09	66.9	57.9	0.0	0.0	0.0		
05/10	59.3	52.4	0.0	0.0	0.8		
05/11	61.8	52.7	0.0	0.0	7.5		
05/12	60.3	53.3	0.0	0.0	0.0		
05/13	69.3	54.1	0.0	0.0	4.3		
05/14	55.1	49.9	0.0	0.0	10.8		
05/15	64.0	56.4	0.0	0.0	15.0	Heavy	
05/16	58.9	50.7	0.0	0.0	18.0	Heavy	
05/17	59.4	51.2	0.0	0.0	16.8	Heavy	
05/18	65.6	59.4	0.0	0.0	16.0	Heavy	
05/19	70.3	62.0	0.3	0.0	19.0	Heavy	
05/20	70.6	59.2	0.3	0.0	14.5	Heavy	
05/21	72.2	58.2	0.8	0.0	14.5		
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	74.1	66.5	1.0	0.0	5.5		

Newport 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-31

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/01	51.0	5.0	0.00	0.0	0.0	0	0
05/02	51.3	1.5	0.00	0.0	0.0	0	0
05/03	53.6	5.0	0.00	0.0	0.0	0	0
05/04	54.7	19.8	0.20	7.3	52.8	19 Light	31 Moderate
05/05	50.8	4.3	0.00	10.5	50.5	24 Light	36 Moderate
05/06	54.2	0.0	0.00	0.0	0.0	0	0
05/07	55.8	1.0	0.40	0.0	0.0	0	0
05/08	55.7	6.5	0.00	0.0	0.0	0	0
05/09	57.9	0.0	0.00	0.0	0.0	0	0
05/10	52.4	3.3	0.00	0.0	0.0	0	0
05/11	52.7	8.0	0.00	0.0	0.0	0	0
05/12	53.3	0.0	0.00	0.0	0.0	0	0
05/13	54.1	7.8	0.00	0.0	0.0	0	0
05/14	49.9	12.8	0.00	0.0	0.0	0	0
05/15	56.4	16.3	0.10	1.5	57.8	3 Light	8 Light
05/16	50.7	19.3	0.06	11.3	51.5	30 Moderate	43 Moderate
05/17	51.2	17.5	0.26	13.5	50.2	33 Moderate	45 Moderate
05/18	59.4	19.5	0.19	20.8	54.5	97 High	107 High
05/19	62.0	20.5	0.88	20.8	60.7	128 High	146 High
05/20	59.2	14.8	0.27	18.8	60.0	109 High	128 High
05/21	58.2	16.0	0.00	0.0	0.0	0	0
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	66.5	5.8	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