

Newport Black Rot - Grape From 2012-04-22 To 2012-05-08

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
04/22	62.9	45.1	15.0	1.19	Infection Risk
04/23	57.1	46.1	23.3	2.55	Infection Risk
04/24	54.4	44.1	18.0	3.38	Infection Risk
04/25	65.6	41.2	13.5	4.38	Infection Risk
04/26	62.6	39.4	13.3	5.24	Infection Risk
04/27	59.9	37.9	13.8	6.16	Infection Risk
04/28	63.3	35.2	10.3	0.60	
04/29	63.2	39.2	9.3	1.53	Infection Risk
04/30	61.7	35.6	8.0	0.39	
05/01	50.8	45.5	14.8	0.98	
05/02	60.4	45.3	15.0	1.87	Infection Risk
05/03	51.0	46.8	18.3	2.62	Infection Risk
05/04	55.4	48.5	24.0	3.86	Infection Risk
05/05	57.3	49.8	24.0	5.13	Infection Risk
05/06	64.8	42.8	17.8	6.46	Infection Risk
05/07	66.2	42.5	19.5	8.29	Infection Risk
05/08	52.3	50.9	7.0	8.64	Infection Risk

Newport Downy Mildew - Grape From 2012-04-22 To 2012-05-08

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
04/22	62.9	0.0	0.99	24.0	23.8	0.0	1	Primary Infection
04/23	57.1	>min	0.74	24.0	16.5	0.0	1	Possible Infection
04/24	54.4	>min	0.10	23.3	0.0	0.0	0	
04/25	65.6	>min	0.03	21.0	0.0	0.0	0	
04/26	62.6	>min		15.8	1.3	0.0	1	Possible Infection
04/27	59.9	>min		13.8	5.3	0.0	1	Possible Infection
04/28	63.3	>min		10.8	0.0	0.0	0	
04/29	63.2	>min		13.3	0.0	0.0	0	
04/30	61.7	>min		8.0	0.0	0.0	0	
05/01	50.8	>min	0.50	24.0	14.3	0.0	1	Possible Infection
05/02	60.4	>min		24.0	5.5	0.0	1	Possible Infection
05/03	51.0	>min	0.10	24.0	13.8	0.0	1	Possible Infection
05/04	55.4	>min	0.01	24.0	24.0	0.0	1	Possible Infection
05/05	57.3	>min	0.01	24.0	23.3	0.0	1	Possible Infection
05/06	64.8	>min		23.8	8.8	0.0	1	Possible Infection
05/07	66.2	>min		23.8	6.0	0.0	1	Possible Infection
05/08	52.3	>min		7.0	0.0	0.0	0	

Newport Powdery Mildew - Grape From 2012-04-22 To 2012-05-08

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
04/22	62.9	52.5	0.0	0.0	24.0	Heavy	
04/23	57.1	52.7	0.0	0.0	24.0	Heavy	
04/24	54.4	49.6	0.0	0.0	20.0	Heavy	
04/25	65.6	51.8	0.0	0.0	19.5	Heavy	
04/26	62.6	50.6	0.0	0.0	19.0	Heavy	
04/27	59.9	51.1	0.0	0.0	11.5	Heavy	
04/28	63.3	48.1	0.0	0.0	12.5		
04/29	63.2	52.0	0.0	0.0	15.3	Heavy	
04/30	61.7	49.3	0.0	0.0	6.0		
05/01	0.8	48.2	0.0	0.0	24.0	Heavy	
05/02	60.4	50.4	0.0	0.0	21.8	Heavy	
05/03	51.0	48.8	0.0	0.0	24.0	Heavy	
05/04	55.4	51.7	0.0	0.0	24.0	Heavy	
05/05	57.3	52.0	0.0	0.0	24.0	Heavy	
05/06	64.8	52.9	0.0	0.0	23.3	Heavy	
05/07	66.2	55.4	0.0	0.0	23.8	Heavy	
05/08	52.3	51.4	0.0	0.0	7.0	Heavy	

Newport Phomopsis Cane+Leaf Spot - Grape From 2012-04-22 To 2012-05-08

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
04/22	52.5	24.0	0.99	12.0	47.6	18 Light	26 Light
04/23	52.7	24.0	0.74	36.0	51.0	151 High	137 High
04/24	49.6	24.0	0.10	60.0	50.4	291 High	218 High
04/25	51.8	24.0	0.03	84.0	50.8	496 High	325 High
04/26	50.6	21.8	0.00	108.0	50.8	705 High	419 High
04/27	51.1	19.3	0.00	126.5	51.3	945 High	525 High
04/28	48.1	17.3	0.00	0.0	0.0	0	0
04/29	52.0	22.8	0.00	0.0	0.0	0	0
04/30	49.3	18.3	0.00	0.0	0.0	0	0
05/01	48.2	24.0	0.50	16.0	48.2	30 Moderate	39 Moderate
05/02	50.4	24.0	0.00	40.0	49.5	141 High	126 High
05/03	48.8	24.0	0.10	64.0	49.2	265 High	198 High
05/04	51.7	24.0	0.01	88.0	49.9	465 High	303 High
05/05	52.0	24.0	0.01	112.0	50.3	700 High	412 High
05/06	52.9	24.0	0.00	136.0	50.8	983 High	534 High
05/07	55.4	24.0	0.00	160.0	51.5	1352 High	684 High
05/08	51.4	7.0	0.00	167.5	51.5	1443 High	717 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