

Newport Black Rot - Grape From 2012-07-01 To 2012-07-18

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/01	95.8	64.2	9.8	1.19	Infection Risk
07/02	86.9	61.9	7.5	2.37	Infection Risk
07/03	88.7	60.6	3.3	0.36	
07/04	87.7	68.4	11.0	1.35	Infection Risk
07/05	90.9	64.6	4.3	1.22	Infection Risk
07/06	91.8	62.5	5.8	0.76	
07/07	93.7	69.6	6.3	1.31	Infection Risk
07/08	93.7	65.2	0.8	0.12	
07/09	86.9	64.5		0.00	
07/10	87.1	59.6	0.8	0.08	
07/11	85.6	61.0	10.3	0.95	
07/12	88.5	58.0	7.5	1.54	Infection Risk
07/13	82.8	64.5	2.0	0.33	
07/14	89.7	65.5		0.00	
07/15	91.1	69.1	6.0	0.99	
07/16	94.1	70.4	10.8	2.53	Infection Risk
07/17	96.0	68.7	4.3	0.95	
07/18	91.0	75.7		0.00	

Newport Downy Mildew - Grape From 2012-07-01 To 2012-07-18

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/01	95.8	0.0	0.19	9.8	7.0	4.5	1	Primary Infection
07/02	86.9	>min		7.5	7.3	4.5	3	High Risk of Infection
07/03	88.7	>min		3.3	5.5	0.3	1	Possible Infection
07/04	87.7	>min	0.07	11.0	3.8	3.8	3	High Risk of Infection
07/05	90.9	>min		4.3	0.8	0.8	3	High Risk of Infection
07/06	91.8	>min		5.8	5.5	0.5	3	High Risk of Infection
07/07	93.7	>min		6.3	3.8	3.8	3	High Risk of Infection
07/08	93.7	>min		0.8	2.5	1.0	3	High Risk of Infection
07/09	86.9	>min			0.0	0.0	0	
07/10	87.1	>min		0.8	1.0	0.0	1	Possible Infection
07/11	85.6	>min		10.3	7.0	2.0	3	High Risk of Infection
07/12	88.5	>min		7.5	7.3	0.8	3	High Risk of Infection
07/13	82.8	>min		2.0	0.5	0.5	3	High Risk of Infection
07/14	89.7	>min			0.0	0.0	0	
07/15	91.1	>min	0.03	6.0	5.0	5.0	3	High Risk of Infection
07/16	94.1	>min	0.32	10.8	7.5	7.5	3	High Risk of Infection
07/17	96.0	>min		4.3	3.5	3.5	3	High Risk of Infection
07/18	91.0	>min			0.0	0.0	0	

Newport Powdery Mildew - Grape From 2012-07-01 To 2012-07-18

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/01	95.8	76.0	3.8	0.8	8.8		
07/02	86.9	72.5	5.3	0.0	7.3	Heavy	
07/03	88.7	73.3	10.8	0.0	1.3		
07/04	87.7	74.5	14.0	0.0	9.8		
07/05	90.9	76.0	10.5	0.0	3.0		60 Heavy
07/06	91.8	75.7	13.3	0.0	4.8		80 Heavy
07/07	93.7	79.2	10.8	0.0	6.3		100 Heavy
07/08	93.7	77.5	13.0	0.0	0.0		100 Heavy
07/09	86.9	74.0	10.0	0.0	0.0		100 Heavy
07/10	87.1	72.4	11.0	0.0	0.5		100 Heavy
07/11	85.6	72.2	12.5	0.0	9.8		100 Heavy
07/12	88.5	72.0	12.5	0.0	7.5		100 Heavy
07/13	82.8	72.8	13.8	0.0	2.0		100 Heavy
07/14	89.7	77.4	15.5	0.0	0.0		100 Heavy
07/15	91.1	77.2	12.5	0.0	6.0		100 Heavy
07/16	94.1	79.7	16.8	0.0	10.3	Heavy	100 Heavy
07/17	96.0	80.2	11.5	0.8	4.0		100 Heavy
07/18	91.0	80.7	7.0	0.0	0.0		100 Heavy

Newport Phomopsis Cane+Leaf Spot - Grape From 2012-07-01 To 2012-07-18

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity Catawba	Disease Intensity Seyval
07/01	76.0	10.3	0.19	7.0	68.9	26 Light	51 Moderate
07/02	72.5	7.8	0.00	14.8	67.7	77 Moderate	112 High
07/03	73.3	5.3	0.00	0.0	0.0	0	0
07/04	74.5	14.0	0.07	5.5	70.9	17 Light	39 Moderate
07/05	76.0	8.8	0.00	0.0	0.0	0	0
07/06	75.7	8.5	0.00	0.0	0.0	0	0
07/07	79.2	6.8	0.00	0.0	0.0	0	0
07/08	77.5	2.0	0.00	0.0	0.0	0	0
07/09	74.0	0.0	0.00	0.0	0.0	0	0
07/10	72.4	0.8	0.00	0.0	0.0	0	0
07/11	72.2	10.5	0.00	0.0	0.0	0	0
07/12	72.0	7.8	0.00	0.0	0.0	0	0
07/13	72.8	2.3	0.00	0.0	0.0	0	0
07/14	77.4	0.0	0.00	0.0	0.0	0	0
07/15	77.2	6.0	0.03	0.8	73.7	1 Light	5 Light
07/16	79.7	13.3	0.32	10.8	74.5	37 Moderate	72 Moderate
07/17	80.2	6.5	0.00	0.0	0.0	0	0
07/18	80.7	0.0	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