

Newport Black Rot - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	77.7	59.0	14.0	1.34	Infection Risk
09/02	80.4	55.8	13.3	1.45	Infection Risk
09/03	76.3	55.4	11.8	1.55	Infection Risk
09/04	79.1	67.3	14.3	2.17	Infection Risk
09/05	79.6	66.8	20.0	4.10	Infection Risk
09/06	71.5	57.4	24.0	7.01	Infection Risk
09/07	67.2	57.8	24.0	10.01	Infection Risk
09/08	73.6	59.2	16.3	11.82	Infection Risk
09/09	81.9	58.8	12.8	12.67	Infection Risk
09/10	82.0	54.0	0.8	0.72	
09/11	69.0	50.1	6.0	0.29	
09/12	80.4	61.3	9.0	1.04	Infection Risk
09/13	82.3	64.0	7.5	1.49	Infection Risk
09/14	79.4	67.6	10.0	0.98	
09/15	79.0	51.0	11.3	2.38	Infection Risk
09/16	69.5	48.9		0.00	
09/17	70.3	46.1		0.00	
09/18	66.6	52.1		0.00	
09/19	74.6	49.3		0.00	
09/20	67.6	56.8	4.5	0.63	
09/21	63.6	56.0	7.3	1.41	Infection Risk

Newport Botrytis - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/01	77.7	59.0	14.0	7.5	0.66	Moderate Infection Risk
09/02	80.4	55.8	13.3	7.3	0.10	Low Infection Risk
09/03	76.3	55.4	11.8	6.8	0.06	Low Infection Risk
09/04	79.1	67.3	14.3		0.95	Moderate Infection Risk
09/05	79.6	66.8	20.0	10.3	2.27	High Infection Risk
09/06	71.5	57.4	24.0	24.0	2.70	High Infection Risk
09/07	67.2	57.8	24.0	24.0	2.87	High Infection Risk
09/08	73.6	59.2	16.3	22.0	2.19	High Infection Risk
09/09	81.9	58.8	12.8	14.0	0.45	Low Infection Risk
09/10	82.0	54.0	0.8	2.5	0.00	
09/11	69.0	50.1	6.0	7.3	0.00	
09/12	80.4	61.3	9.0	10.8	0.00	
09/13	82.3	64.0	7.5	8.3	0.00	
09/14	79.4	67.6	10.0	11.8	0.00	
09/15	79.0	51.0	11.3	12.0	0.09	Low Infection Risk
09/16	69.5	48.9			0.00	
09/17	70.3	46.1			0.00	
09/18	66.6	52.1			0.00	
09/19	74.6	49.3			0.00	
09/20	67.6	56.8	4.5	1.8	0.00	
09/21	63.6	56.0	7.3	7.3	0.00	

Newport Downy Mildew - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	77.7	0.0		14.0	7.5	0.0	1	Primary Infection
09/02	80.4	>min		13.3	4.3	0.0	1	Possible Infection
09/03	76.3	>min		11.8	5.8	0.0	1	Possible Infection
09/04	79.1	>min		14.3	0.0	0.0	0	
09/05	79.6	>min		20.0	8.0	8.0	3	High Risk of Infection
09/06	71.5	>min	1.60	24.0	24.0	6.0	3	High Risk of Infection
09/07	67.2	>min	0.16	24.0	24.0	1.5	3	High Risk of Infection
09/08	73.6	>min	1.69	16.3	21.5	0.3	1	Possible Infection
09/09	81.9	>min		12.8	13.5	0.0	1	Possible Infection
09/10	82.0	>min		0.8	1.0	0.0	1	Possible Infection
09/11	69.0	>min		6.0	4.5	0.0	1	Possible Infection
09/12	80.4	>min		9.0	9.3	1.5	3	High Risk of Infection
09/13	82.3	>min		7.5	7.8	1.0	3	High Risk of Infection
09/14	79.4	>min		10.0	9.3	9.3	3	High Risk of Infection
09/15	79.0	>min	3.70	11.3	11.3	9.5	3	High Risk of Infection
09/16	69.5	>min			0.0	0.0	0	
09/17	70.3	>min			0.0	0.0	0	
09/18	66.6	>min			0.0	0.0	0	
09/19	74.6	>min			0.0	0.0	0	
09/20	67.6	>min		4.5	0.8	0.0	1	Possible Infection
09/21	63.6	>min		7.3	7.3	0.0	1	Possible Infection

Newport Powdery Mildew - Grape From 2011-09-01 To 2011-09-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	77.7	67.6	8.5	0.0	13.8		
09/02	80.4	66.3	9.3	0.0	13.0	Heavy	
09/03	76.3	68.2	10.5	0.0	11.3		60 Heavy
09/04	79.1	70.9	10.5	0.0	14.3	Heavy	80 Heavy
09/05	79.6	72.3	16.5	0.0	19.5	Heavy	100 Heavy
09/06	71.5	62.4	6.0	0.0	24.0	Heavy	100 Heavy
09/07	67.2	62.1	0.0	0.0	24.0	Heavy	90 Heavy
09/08	73.6	62.0	1.3	0.0	15.3	Heavy	80 Heavy
09/09	81.9	67.1	8.5	0.0	12.5	Heavy	100 Heavy
09/10	82.0	67.9	10.3	0.0	0.8		100 Heavy
09/11	69.0	60.5	0.0	0.0	5.8		90 Heavy
09/12	80.4	69.5	9.0	0.0	8.3		100 Heavy
09/13	82.3	70.6	10.0	0.0	7.5		100 Heavy
09/14	79.4	72.3	12.8	0.0	9.5		100 Heavy
09/15	79.0	69.2	10.0	0.0	11.0	Heavy	100 Heavy
09/16	69.5	56.9	0.0	0.0	0.0		90 Heavy
09/17	70.3	56.4	0.3	0.0	0.0		80 Heavy
09/18	66.6	58.2	0.0	0.0	0.0		70 Heavy
09/19	74.6	59.4	1.5	0.0	0.0		60 Heavy
09/20	67.6	62.9	0.0	0.0	3.0		50 Medium
09/21	63.6	60.1	0.0	0.0	7.3		40 Medium

Newport Phomopsis Cane+Leaf Spot - Grape From 2011-09-01 To 2011-09-21

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
09/01	67.6	14.0	0.00	0.0	0.0	0	0
09/02	66.3	13.8	0.00	0.0	0.0	0	0
09/03	68.2	12.8	0.00	0.0	0.0	0	0
09/04	70.9	17.0	0.00	0.0	0.0	0	0
09/05	72.3	21.8	0.00	0.0	0.0	0	0
09/06	62.4	24.0	1.60	18.5	59.9	107 High	126 High
09/07	62.1	24.0	0.16	42.5	61.2	359 High	311 High
09/08	62.0	20.3	1.69	56.0	61.0	532 High	413 High
09/09	67.1	13.8	0.00	0.0	0.0	0	0
09/10	67.9	0.8	0.00	0.0	0.0	0	0
09/11	60.5	6.5	0.00	0.0	0.0	0	0
09/12	69.5	10.3	0.00	0.0	0.0	0	0
09/13	70.6	7.8	0.00	0.0	0.0	0	0
09/14	72.3	11.3	0.00	0.0	0.0	0	0
09/15	69.2	12.5	3.70	2.8	55.4	6 Light	14 Light
09/16	56.9	0.0	0.00	0.0	0.0	0	0
09/17	56.4	0.0	0.00	0.0	0.0	0	0
09/18	58.2	0.0	0.00	0.0	0.0	0	0
09/19	59.4	1.3	0.00	0.0	0.0	0	0
09/20	62.9	7.5	0.00	0.0	0.0	0	0
09/21	60.1	7.3	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