

Newport\_Ri sk\_7\_1\_2009.txt

Newport, RI Black Rot - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/21	67.6	59.8	17.5	2.13	Infection Risk
06/22	63.0	59.5	24.0	4.90	Infection Risk
06/23	68.9	60.1	20.3	7.37	Infection Risk
06/24	64.4	57.1	18.8	9.47	Infection Risk
06/25	72.8	59.5	13.3	11.08	Infection Risk
06/26	79.8	61.1	15.3	13.20	Infection Risk
06/27	78.6	58.4	15.5	15.25	Infection Risk
06/28	73.2	60.2	14.0	16.43	Infection Risk
06/29	74.3	60.2	19.3	3.44	Infection Risk
06/30	77.6	59.5	15.0	5.49	Infection Risk
07/01	68.5	64.5	7.8	6.72	Infection Risk

Newport, RI Botrytis - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
06/21	67.6	59.8	17.5	14.8	1.43	High Infection Risk
06/22	63.0	59.5	24.0	22.3	2.75	High Infection Risk
06/23	68.9	60.1	20.3	18.5	2.00	High Infection Risk
06/24	64.4	57.1	18.8	19.3	1.62	High Infection Risk
06/25	72.8	59.5	13.3	12.8	0.68	Moderate Infection Risk
06/26	79.8	61.1	15.3	15.3	1.18	High Infection Risk
06/27	78.6	58.4	15.5	11.3	0.94	Moderate Infection Risk
06/28	73.2	60.2	14.0	11.8	0.66	Moderate Infection Risk
06/29	74.3	60.2	19.3	14.5	1.98	High Infection Risk
06/30	77.6	59.5	15.0	9.0	0.98	Moderate Infection Risk
07/01	68.5	64.5	7.8	1.8	0.00	

Newport, RI Downy Mildew - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/21	67.6	0.0	0.04	17.5	12.0	0.0	1	Primary Infection
06/22	63.0	>min	0.10	24.0	19.0	0.0	1	Possible Infection
06/23	68.9	>min	0.01	20.3	16.3	0.0	1	Possible Infection
06/24	64.4	>min	0.02	18.8	18.5	0.0	1	Possible Infection
06/25	72.8	>min	0.01	13.3	10.5	0.0	1	Possible Infection
06/26	79.8	>min	0.01	15.3	12.0	1.0	3	High Risk of Infection
06/27	78.6	>min		15.5	11.0	0.0	1	Possible Infection
06/28	73.2	>min		14.0	9.3	0.0	1	Possible Infection
06/29	74.3	>min	0.17	19.3	13.8	1.0	3	High Risk of Infection
06/30	77.6	>min		15.0	9.0	1.0	3	High Risk of Infection
07/01	68.5	>min	0.01	7.8	0.0	0.0	0	

Newport, RI Powdery Mildew - Grape From 2009-06-21 To 2009-07-01

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/21	67.6	62.5	0.0	0.0	16.5	Heavy	
06/22	63.0	61.0	0.0	0.0	24.0	Heavy	
06/23	68.9	62.5	0.0	0.0	20.0	Heavy	
06/24	64.4	61.2	0.0	0.0	18.5	Heavy	
06/25	72.8	64.7	2.5	0.0	11.8	Heavy	
06/26	79.8	66.6	3.8	0.0	14.8	Heavy	
06/27	78.6	66.3	4.8	0.0	11.8	Heavy	

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06/28	73.2	65.3	3.3	0.0	14.0	Heavy
06/29	74.3	66.4	6.5	0.0	14.8	Heavy
06/30	77.6	67.3	8.8	0.0	11.8	Heavy
07/01	68.5	66.0	0.0	0.0	8.0	

Leaf Wetness Sensor Parameters:

Base Temperature	0.0
Upper Temperature	100.0
Wetness Threshold	6.0

Newport, RI Phomopsis Cane+Leaf Spot - Grape From 2009-06-21 To 2009-07-01

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Intensi ty Catawba	Seyval
06/21	62.5	24.0	0.04	20.3	62.7	127 Hi gh	149 Hi gh
06/22	61.0	24.0	0.10	44.3	61.8	384 Hi gh	330 Hi gh
06/23	62.5	24.0	0.01	68.3	62.0	716 Hi gh	521 Hi gh
06/24	61.2	24.0	0.02	92.3	61.8	1099 Hi gh	709 Hi gh
06/25	64.7	22.8	0.01	111.0	62.4	1440 Hi gh	871 Hi gh
06/26	66.6	24.0	0.01	3.0	63.7	8 Li ght	21 Li ght
06/27	66.3	22.5	0.00	18.8	67.0	111 Hi gh	144 Hi gh
06/28	65.3	24.0	0.00	0.0	0.0	0	0
06/29	66.4	24.0	0.17	22.0	66.6	140 Hi gh	170 Hi gh
06/30	67.3	22.8	0.00	40.3	67.1	330 Hi gh	319 Hi gh
07/01	66.0	7.8	0.01	0.8	66.4	1 Li ght	5 Li ght

Leaf Wetness Sensor Parameters:

Base Temperature	41.0
Upper Temperature	95.9
Wetness Threshold	3.0

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