

Newport_Ri sk_Aug6. txt

Newport, RI Black Rot - Grape From 2009-07-15 To 2009-08-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/15	79.1	56.8	5.3	0.44	
07/16	75.6	63.6	22.0	3.65	Infection Risk
07/17	84.1	62.8	24.0	7.25	Infection Risk
07/18	81.9	67.9	21.0	10.62	Infection Risk
07/19	79.3	60.2	12.0	12.41	Infection Risk
07/20	82.3	58.4	19.8	15.30	Infection Risk
07/21	71.7	64.4	24.0	19.17	Infection Risk
07/22	77.5	62.7	22.8	22.84	Infection Risk
07/23	79.1	61.3	24.0	26.50	Infection Risk
07/24	78.5	62.4	24.0	30.14	Infection Risk
07/25	79.8	62.0	24.0	33.88	Infection Risk
07/26	76.7	68.4	24.0	38.01	Infection Risk
07/27	79.6	69.6	24.0	41.98	Infection Risk
07/28	81.8	68.1	24.0	45.86	Infection Risk
07/29	76.0	69.6	24.0	49.95	Infection Risk
07/30	87.3	69.5	24.0	53.53	Infection Risk
07/31	75.4	64.6	24.0	57.55	Infection Risk
08/01	83.3	65.0	24.0	61.27	Infection Risk
08/02	76.6	65.1	24.0	65.37	Infection Risk
08/03	85.8	66.0	24.0	68.99	Infection Risk
08/04	80.2	63.6	24.0	72.80	Infection Risk
08/05	82.4	69.9	24.0	76.60	Infection Risk
08/06	76.2	64.4	13.0	78.75	Infection Risk

Newport, RI Botrytis - Grape From 2009-07-15 To 2009-08-06

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
07/15	79.1	56.8	5.3		0.00	
07/16	75.6	63.6	22.0	3.3	2.82	High Infection Risk
07/17	84.1	62.8	24.0	11.5	2.89	High Infection Risk
07/18	81.9	67.9	21.0	10.5	2.25	High Infection Risk
07/19	79.3	60.2	12.0	3.3	0.21	Low Infection Risk
07/20	82.3	58.4	19.8	4.5	2.01	High Infection Risk
07/21	71.7	64.4	24.0	20.8	3.34	High Infection Risk
07/22	77.5	62.7	22.8	11.3	2.85	High Infection Risk
07/23	79.1	61.3	24.0	15.8	3.17	High Infection Risk
07/24	78.5	62.4	24.0	11.5	3.15	High Infection Risk
07/25	79.8	62.0	24.0	11.3	3.04	High Infection Risk
07/26	76.7	68.4	24.0	23.0	3.31	High Infection Risk
07/27	79.6	69.6	24.0	10.3	3.11	High Infection Risk
07/28	81.8	68.1	24.0	13.3	3.01	High Infection Risk
07/29	76.0	69.6	24.0	24.0	3.24	High Infection Risk
07/30	87.3	69.5	24.0	9.8	2.59	High Infection Risk
07/31	75.4	64.6	24.0	21.8	3.30	High Infection Risk
08/01	83.3	65.0	24.0	9.8	2.92	High Infection Risk
08/02	76.6	65.1	24.0	18.3	3.32	High Infection Risk
08/03	85.8	66.0	24.0	7.5	2.84	High Infection Risk
08/04	80.2	63.6	24.0	9.5	2.98	High Infection Risk
08/05	82.4	69.9	24.0	13.8	2.87	High Infection Risk
08/06	76.2	64.4	13.0		0.57	Moderate Infection Risk

Newport, RI Downy Mildew - Grape From 2009-07-15 To 2009-08-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH	Risk	Warning
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07/15	79.1	0.0		5.3	0.0	0.0	0	Primary Infection
07/16	75.6	>min	0.01	22.0	2.0	0.3	1	Possible Infection
07/17	84.1	>min	0.21	24.0	11.0	6.0	3	High Risk of Infection
07/18	81.9	>min	0.49	21.0	10.3	10.3	3	High Risk of Infection
07/19	79.3	>min		12.0	2.3	0.0	1	Possible Infection
07/20	82.3	>min		19.8	3.8	0.0	1	Possible Infection
07/21	71.7	>min	1.16	24.0	18.8	10.8	3	High Risk of Infection
07/22	77.5	>min	0.01	22.8	10.8	8.3	3	High Risk of Infection
07/23	79.1	>min	1.04	24.0	13.8	1.0	3	High Risk of Infection
07/24	78.5	>min	1.23	24.0	10.5	1.5	3	High Risk of Infection
07/25	79.8	>min	0.06	24.0	11.0	5.8	3	High Risk of Infection
07/26	76.7	>min	0.18	24.0	22.0	22.0	3	High Risk of Infection
07/27	79.6	>min		24.0	8.8	8.8	3	High Risk of Infection
07/28	81.8	>min		24.0	12.8	12.8	3	High Risk of Infection
07/29	76.0	>min		24.0	22.0	22.0	3	High Risk of Infection
07/30	87.3	>min	0.07	23.0	9.8	9.8	3	High Risk of Infection
07/31	75.4	>min	0.39	24.0	20.8	18.5	3	High Risk of Infection
08/01	83.3	>min	0.01	24.0	9.3	7.3	3	High Risk of Infection
08/02	76.6	>min	0.01	24.0	18.0	17.5	3	High Risk of Infection
08/03	85.8	>min		24.0	7.5	7.5	3	High Risk of Infection
08/04	80.2	>min		24.0	8.3	6.5	3	High Risk of Infection
08/05	82.4	>min		24.0	13.5	13.5	3	High Risk of Infection
08/06	76.2	>min		13.0	0.0	0.0	0	

Newport, RI Powdery Mildew - Grape From 2009-07-15 To 2009-08-06

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/15	79.1	67.9	10.8	0.0	4.5		
07/16	75.6	69.4	5.5	0.0	16.3	Heavy	
07/17	84.1	72.7	13.3	0.0	24.0	Heavy	
07/18	81.9	73.4	17.0	0.0	15.0	Heavy	
07/19	79.3	70.7	12.5	0.0	6.3	Heavy	60 Heavy
07/20	82.3	69.0	10.5	0.0	11.0		80 Heavy
07/21	71.7	66.8	2.8	0.0	24.0	Heavy	70 Heavy
07/22	77.5	70.9	11.8	0.0	14.8	Heavy	90 Heavy
07/23	79.1	67.5	7.5	0.0	17.5	Heavy	100 Heavy
07/24	78.5	67.4	6.8	0.0	24.0	Heavy	100 Heavy
07/25	79.8	70.9	11.3	0.0	24.0	Heavy	100 Heavy
07/26	76.7	71.2	17.5	0.0	24.0	Heavy	100 Heavy
07/27	79.6	72.9	20.8	0.0	21.0	Heavy	100 Heavy
07/28	81.8	72.9	13.8	0.0	23.8	Heavy	100 Heavy
07/29	76.0	72.3	21.0	0.0	24.0	Heavy	100 Heavy
07/30	87.3	76.5	19.8	0.0	21.8	Heavy	100 Heavy
07/31	75.4	70.1	11.3	0.0	24.0	Heavy	100 Heavy
08/01	83.3	72.2	12.3	0.0	17.5	Heavy	100 Heavy
08/02	76.6	70.7	13.3	0.0	24.0	Heavy	100 Heavy
08/03	85.8	74.9	16.0	0.0	21.3	Heavy	100 Heavy
08/04	80.2	73.0	18.3	0.0	19.8	Heavy	100 Heavy
08/05	82.4	74.9	23.8	0.0	24.0	Heavy	100 Heavy
08/06	76.2	69.4	5.0	0.0	6.5	Heavy	90 Heavy

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Newport, RI Phomopsis Cane+Leaf Spot - Grape From 2009-07-15 To 2009-08-06

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensiti y Seyval
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07/15	67.9	22.8	-53332.47	3.8	71.8	9	Light	26	Light
07/16	69.4	24.0	0.01	10.5	69.9	45	Moderate	78	Moderate
07/17	72.7	24.0	0.21	34.5	71.8	226	Hi gh	260	Hi gh
07/18	73.4	24.0	0.49	58.5	72.5	466	Hi gh	444	Hi gh
07/19	70.7	24.0	0.00	82.5	72.0	782	Hi gh	642	Hi gh
07/20	69.0	24.0	0.00	106.5	71.3	1161	Hi gh	848	Hi gh
07/21	66.8	24.0	1.16	130.5	70.5	1607	Hi gh	1061	Hi gh
07/22	70.9	24.0	0.01	154.5	70.5	2040	Hi gh	1263	Hi gh
07/23	67.5	24.0	1.04	178.5	70.1	2547	Hi gh	1476	Hi gh
07/24	67.4	24.0	1.23	202.5	69.8	3086	Hi gh	1689	Hi gh
07/25	70.9	24.0	0.06	226.5	69.9	3608	Hi gh	1895	Hi gh
07/26	71.2	24.0	0.18	250.5	70.0	4148	Hi gh	2102	Hi gh
07/27	72.9	24.0	0.00	274.5	70.3	4684	Hi gh	2304	Hi gh
07/28	72.9	24.0	0.00	298.5	70.5	5237	Hi gh	2507	Hi gh
07/29	72.3	24.0	0.00	322.5	70.6	5819	Hi gh	2712	Hi gh
07/30	76.5	24.0	0.07	346.5	71.0	6341	Hi gh	2904	Hi gh
07/31	70.1	24.0	0.39	370.5	71.0	6996	Hi gh	3116	Hi gh
08/01	72.2	24.0	0.01	394.5	71.1	7629	Hi gh	3323	Hi gh
08/02	70.7	24.0	0.01	418.5	71.0	8308	Hi gh	3534	Hi gh
08/03	74.9	24.0	0.00	442.5	71.2	8917	Hi gh	3732	Hi gh
08/04	73.0	24.0	0.00	466.5	71.3	9578	Hi gh	3937	Hi gh
08/05	74.9	24.0	0.00	490.5	71.5	10211	Hi gh	4135	Hi gh
08/06	69.4	13.0	0.00	504.0	71.5	10641	Hi gh	4257	Hi gh

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