

Grape Disease Risk Reports, 7/24/2009

NOTE: disease reports for New Preston do not include data for 7/24 due to sensor malfunction

Hamden, CT Black Rot - Grape From 2009-07-17 To 2009-07-24

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/17	75.4	70.3	14.5	1.70	Infection Risk
07/18	77.8	72.7	11.3	2.58	Infection Risk
07/19	77.5	71.9	8.8	0.90	
07/20	76.1	71.7	11.0	1.99	Infection Risk
07/21	74.4	70.4	24.0	4.62	Infection Risk
07/22	73.9	69.4	15.5	7.30	Infection Risk
07/23	73.2	71.1	19.5	10.66	Infection Risk
07/24	70.7	68.8	8.5	12.14	Infection Risk

Hamden, CT Downy Mildew - Grape From 2009-07-17 To 2009-07-24

Date	High Temp	Deg Hrs43	Rain	Wet Hours	>95%RH	Hours 43-86	66-77	Risk	Warning
07/17	75.4	>min	0.03	14.5	8.8	8.8	3	High Risk of Infection	
07/18	77.8	>min	0.21	11.3	7.5	7.5	3	High Risk of Infection	
07/19	77.5	>min		8.8	0.0	0.0	0		
07/20	76.1	>min		11.0	5.5	5.5	3	High Risk of Infection	
07/21	74.4	>min	1.18	24.0	14.8	14.8	3	High Risk of Infection	
07/22	73.9	>min		15.5	11.8	11.8	3	High Risk of Infection	
07/23	73.2	>min	0.84	19.5	14.5	14.5	3	High Risk of Infection	
07/24	70.7	>min	0.77	8.5	6.3	6.3	3	High Risk of Infection	

Hamden, CT Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Date	High Temp	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/17	75.4	72.8	24.0	0.0	12.8	100	Heavy
07/18	77.8	74.9	24.0	0.0	9.0	100	Heavy
07/19	77.5	74.7	24.0	0.0	8.5	100	Heavy
07/20	76.1	74.1	24.0	0.0	9.8	100	Heavy
07/21	74.4	71.9	24.0	0.0	23.5	Heavy	100 Heavy
07/22	73.9	71.3	15.3	0.0	13.0	Heavy	100 Heavy
07/23	73.2	72.1	24.0	0.0	17.5	Heavy	100 Heavy
07/24	70.7	69.4	0.8	0.0	7.3	Heavy	90 Heavy

Hamden, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Temp Wet Rain- Wet+ Wet Disease Intensity

Date	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/17	72.8	24.0	0.03	23.0	72.9	120 High	167 High
07/18	74.9	22.8	0.21	42.0	73.6	273 High	306 High
07/19	74.7	19.5	0.00	0.0	0.0	0	0
07/20	74.1	21.3	0.00	0.0	0.0	0	0
07/21	71.9	24.0	1.18	20.3	71.6	107 High	150 High
07/22	71.3	24.0	0.00	44.3	71.4	329 High	339 High
07/23	72.1	24.0	0.84	68.3	71.7	604 High	530 High
07/24	69.4	12.8	0.77	81.5	71.3	792 High	642 High

Windsor, CT Black Rot - Grape From 2009-07-17 To 2009-07-24

High Low Wet Daily
Date Temp Temp Hours Risk Warning

07/17	77.7	70.4	24.0	3.90	Infection Risk
07/18	79.0	72.1	24.0	7.68	Infection Risk
07/19	79.0	70.7	24.0	11.48	Infection Risk
07/20	79.1	70.9	24.0	15.25	Infection Risk
07/21	75.9	68.7	24.0	19.37	Infection Risk
07/22	74.6	67.6	24.0	23.42	Infection Risk
07/23	74.4	70.4	24.0	27.53	Infection Risk
07/24	71.3	67.5	12.8	29.72	Infection Risk

Windsor, CT Downy Mildew - Grape From 2009-07-17 To 2009-07-24

High Deg Rain Wet Hours>95%RH
Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/17	77.7	0.0	0.16	24.0	8.5	8.5	1	Primary Infection
07/18	79.0	>min	0.21	24.0	7.8	7.8	3	High Risk of Infection
07/19	79.0	>min	24.0	0.0	0.0	0		
07/20	79.1	>min	24.0	2.5	2.5	3		High Risk of Infection
07/21	75.9	>min	1.77	24.0	14.0	14.0	3	High Risk of Infection
07/22	74.6	>min	0.04	24.0	9.5	9.5	3	High Risk of Infection
07/23	74.4	>min	0.66	24.0	13.3	13.3	3	High Risk of Infection
07/24	71.3	>min	1.35	12.8	7.0	7.0	3	High Risk of Infection

Windsor, CT Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Temperature Hours Hours Wet Ascospore Conidial
Date High Mean 70-85 >95 Hours Infection Index

07/17	77.7	74.1	24.0	0.0	21.5	Heavy	
07/18	79.0	75.3	24.0	0.0	18.0	Heavy	
07/19	79.0	75.0	24.0	0.0	14.8	Heavy	60 Heavy
07/20	79.1	75.2	24.0	0.0	15.8	Heavy	80 Heavy
07/21	75.9	71.5	18.5	0.0	23.5	Heavy	100 Heavy

07/22	74.6	70.6	10.8	0.0	24.0	Heavy	100	Heavy
07/23	74.4	72.2	24.0	0.0	24.0	Heavy	100	Heavy
07/24	71.3	68.8	2.0	0.0	13.3	Heavy	90	Heavy

Windsor, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
07/17	74.1	24.0	0.16	17.3	74.9	70 Moderate	116 High
07/18	75.3	24.0	0.21	41.3	75.1	240 High	286 High
07/19	75.0	24.0	0.00	65.3	75.1	465 High	461 High
07/20	75.2	24.0	0.00	89.3	75.1	726 High	638 High
07/21	71.5	24.0	1.77	113.3	74.3	1075 High	839 High
07/22	70.6	24.0	0.04	137.3	73.7	1474 High	1045 High
07/23	72.2	24.0	0.66	161.3	73.5	1880 High	1243 High
07/24	68.8	12.8	1.35	174.5	73.1	2148 High	1363 High

Griswold, CT Black Rot - Grape From 2009-07-17 To 2009-07-24

Date	Temp	High Low	Wet Daily	Risk Warning
07/17	76.6	71.2	13.3	1.68 Infection Risk
07/18	77.9	73.9	14.5	2.33 Infection Risk
07/19	77.3	72.4	13.3	2.07 Infection Risk
07/20	75.7	72.0	12.8	2.09 Infection Risk
07/21	74.6	72.2	23.3	4.59 Infection Risk
07/22	76.5	71.6	13.8	6.18 Infection Risk
07/23	75.4	71.8	19.0	3.87 Infection Risk
07/24	71.7	69.1	8.8	5.39 Infection Risk

Griswold, CT Downy Mildew - Grape From 2009-07-17 To 2009-07-24

Date	Temp	High Deg	Rain Hrs43	Wet Hours	>95%RH	Risk Warning
07/17	76.6	>min	13.3	8.5	8.5	3 High Risk of Infection
07/18	77.9	>min	0.50	14.5	9.8	9.8 3 High Risk of Infection
07/19	77.3	>min	13.3	8.3	8.3	3 High Risk of Infection
07/20	75.7	>min	12.8	7.3	7.3	3 High Risk of Infection
07/21	74.6	>min	0.53	23.3	15.5	15.5 3 High Risk of Infection
07/22	76.5	>min	13.8	9.5	9.5	3 High Risk of Infection
07/23	75.4	>min	1.38	19.0	13.8	13.8 3 High Risk of Infection
07/24	71.7	>min	1.49	8.8	8.3	8.3 3 High Risk of Infection

Griswold, CT Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Date	High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
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07/17	76.6	73.8	24.0	0.0	13.0		
07/18	77.9	75.6	24.0	0.0	14.3	Heavy	
07/19	77.3	75.0	24.0	0.0	13.0	60 Heavy	
07/20	75.7	74.1	24.0	0.0	12.5	80 Heavy	
07/21	74.6	72.9	24.0	0.0	22.0	Heavy	100 Heavy
07/22	76.5	73.6	24.0	0.0	13.0	Heavy	100 Heavy
07/23	75.4	73.5	24.0	0.0	18.8	Heavy	100 Heavy
07/24	71.7	69.8	4.3	0.0	8.5	Heavy	90 Heavy

Griswold, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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07/12		0.0	0.0	0.0	0	0	
07/13		0.0	0.0	0.0	0	0	
07/14		0.0	0.0	0.0	0	0	
07/15		0.0	0.0	0.0	0	0	
07/16	73.2	0.5	0.00	0.0	0.0	0	0
07/17	73.8	19.8	0.00	0.0	0.0	0	0
07/18	75.6	20.8	0.50	15.8	74.7	63 Moderate	107 High
07/19	75.0	18.5	0.00	0.0	0.0	0	0
07/20	74.1	16.8	0.00	0.0	0.0	0	0
07/21	72.9	24.0	0.53	21.8	72.8	111 High	158 High
07/22	73.6	23.8	0.00	40.5	72.8	270 High	300 High
07/23	73.5	24.0	1.38	6.8	73.3	20 Light	46 Moderate
07/24	69.8	13.0	1.49	20.0	71.0	108 High	150 High

Colchester, CT Black Rot - Grape From 2009-07-17 To 2009-07-24

Date	High	Low	Wet Daily	Temp	Temp	Hours	Risk	Warning
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07/17	73.0	68.4	24.0	4.23	Infection	Risk		
07/18	73.9	71.0	24.0	8.35	Infection	Risk		
07/19	73.4	69.7	24.0	12.49	Infection	Risk		
07/20	73.0	69.3	24.0	16.65	Infection	Risk		
07/21	72.3	67.9	24.0	20.78	Infection	Risk		
07/22	70.7	67.4	24.0	24.88	Infection	Risk		
07/23	70.5	68.8	24.0	29.06	Infection	Risk		
07/24	68.9	65.4	12.8	31.11	Infection	Risk		

Colchester, CT Downy Mildew - Grape From 2009-07-17 To 2009-07-24

High Deg Rain Wet Hours>95%RH
 Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/17	73.0	>min	0.01	24.0	9.3	9.3	3	High Risk of Infection
07/18	73.9	>min	0.19	24.0	10.3	10.3	3	High Risk of Infection
07/19	73.4	>min		24.0	0.0	0.0	0	
07/20	73.0	>min		24.0	5.8	5.8	3	High Risk of Infection
07/21	72.3	>min	1.31	24.0	20.3	20.3	3	High Risk of Infection
07/22	70.7	>min	0.01	24.0	12.5	12.5	3	High Risk of Infection
07/23	70.5	>min	0.92	24.0	16.0	16.0	3	High Risk of Infection
07/24	68.9	>min	1.29	12.8	8.8	5.8	3	High Risk of Infection

Colchester, CT Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Temperature Hours Hours Wet Ascospore Conidial
 Date High Mean 70-85 >95 Hours Infection Index

07/17	73.0	70.7	14.3	0.0	24.0	Heavy	
07/18	73.9	72.2	24.0	0.0	19.8	Heavy	
07/19	73.4	71.7	20.8	0.0	16.8	Heavy	60 Heavy
07/20	73.0	71.3	18.5	0.0	20.8	Heavy	80 Heavy
07/21	72.3	69.3	7.8	0.0	24.0	Heavy	100 Heavy
07/22	70.7	68.5	5.3	0.0	24.0	Heavy	90 Heavy
07/23	70.5	69.6	7.8	0.0	24.0	Heavy	100 Heavy
07/24	68.9	66.4	0.0	0.0	13.3	Heavy	90 Heavy

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Temp Wet Rain- Wet+ Wet Disease Intensity
 Date Mean Hours Fall Rain Temp Catawba Seyval

07/17	70.7	24.0	0.01	23.5	70.7	137 High	178 High
07/18	72.2	24.0	0.19	47.5	71.5	363 High	365 High
07/19	71.7	24.0	0.00	71.5	71.5	650 High	558 High
07/20	71.3	24.0	0.00	95.5	71.5	986 High	755 High
07/21	69.3	24.0	1.31	119.5	71.0	1384 High	960 High
07/22	68.5	24.0	0.01	143.5	70.6	1830 High	1169 High
07/23	69.6	24.0	0.92	167.5	70.5	2296 High	1375 High
07/24	66.4	12.8	1.29	180.8	70.2	2589 High	1495 High

New Preston, CT Black Rot - Grape From 2009-07-17 To 2009-07-23

High Low Wet Daily
 Date Temp Temp Hours Risk Warning

07/17	70.9	66.8	17.0	9.17	Infection Risk
07/18	72.9	68.4	10.5	10.56	Infection Risk
07/19	71.4	67.0	8.0	1.56	Infection Risk
07/20	72.3	66.9	6.8	1.43	Infection Risk
07/21	70.9	66.2	17.5	2.90	Infection Risk
07/22	71.4	65.4	21.5	6.40	Infection Risk
07/23	70.6	68.3	18.5	9.61	Infection Risk

New Preston, CT Downy Mildew - Grape From 2009-07-17 To 2009-07-23

High Deg Rain Wet Hours>95%RH
 Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/17	70.9	>min	0.66	17.0	11.5	11.5	3	High Risk of Infection
07/18	72.9	>min	0.10	10.5	7.8	7.8	3	High Risk of Infection
07/19	71.4	>min	8.0	0.0	0.0	0		
07/20	72.3	>min	6.8	0.5	0.5	3		High Risk of Infection
07/21	70.9	>min	0.89	17.5	10.0	10.0	3	High Risk of Infection
07/22	71.4	>min	0.01	21.5	9.8	3.3	3	High Risk of Infection
07/23	70.6	>min	0.44	18.5	13.5	13.5	3	High Risk of Infection

New Preston, CT Powdery Mildew - Grape From 2009-07-17 To 2009-07-23

Temperature Hours Hours Wet Ascospore Conidial
 Date High Mean 70-85 >95 Hours Infection Index

07/17	70.9	69.0	14.3	0.0	15.8	Heavy	
07/18	72.9	70.2	10.5	0.0	10.3	Heavy	
07/19	71.4	69.3	10.5	0.0	6.5	60	Heavy
07/20	72.3	69.5	9.3	0.0	6.3	80	Heavy
07/21	70.9	67.8	2.5	0.0	17.5	Heavy	70 Heavy
07/22	71.4	67.6	6.8	0.0	13.5	Heavy	90 Heavy
07/23	70.6	69.3	4.3	0.0	15.8	Heavy	80 Heavy

New Preston, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-23

Temp Wet Rain- Wet+ Wet Disease Intensity
 Date Mean Hours Fall Rain Temp Catawba Seyval

07/17	69.0	23.5	0.66	64.5	68.9	619	High	518	High
07/18	70.2	21.5	0.10	55.0	69.3	487	High	438	High
07/19	69.3	19.8	0.00	0.0	0.0	0		0	
07/20	69.5	20.3	0.00	0.0	0.0	0		0	
07/21	67.8	21.8	0.89	17.0	67.1	96	High	130	High
07/22	67.6	24.0	0.01	41.0	67.4	336	High	325	High
07/23	69.3	24.0	0.44	65.0	68.1	639	High	525	High

Newport, RI Black Rot - Grape From 2009-07-17 To 2009-07-24

High Low Wet Daily
Date Temp Temp Hours Risk Warning

07/17	5.8	0.0	0.00
07/18	7.8	0.0	0.00
07/19	7.8	0.0	0.00
07/20	5.8	0.0	0.00
07/21	6.7	0.4	0.00
07/22	7.4	0.0	0.00
07/23	7.8	0.0	0.00
07/24	13.2	5.4	0.00

Newport, RI Downy Mildew - Grape From 2009-07-17 To 2009-07-24

High Deg Rain Wet Hours>95%RH
Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/17	5.8	5545.80	0.0	0.0	0
07/18	7.8	3791.40	0.0	0.0	0
07/19	7.8	1676.60	0.0	0.0	0
07/20	5.8	3232.00	0.0	0.0	0
07/21	6.7	7104.90	0.0	0.0	0
07/22	7.4	4582.60	0.0	0.0	0
07/23	7.8	5731.40	0.0	0.0	0
07/24	13.2	3952.10	0.0	0.0	0

Newport, RI Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Temperature Hours Hours Wet Ascospore Conidial
Date High Mean 70-85 >95 Hours Infection Index

07/17	5.8	2.8	0.0	0.0	14.0
07/18	7.8	3.9	0.0	0.0	14.0
07/19	7.8	3.4	0.0	0.0	14.8
07/20	5.8	1.9	0.0	0.0	14.5
07/21	6.7	3.9	0.0	0.0	13.8
07/22	7.4	2.9	0.0	0.0	14.0
07/23	7.8	3.4	0.0	0.0	14.0
07/24	13.2	9.2	0.0	0.0	8.3

Newport, RI Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Temp Wet Rain- Wet+ Wet Disease Intensity
Date Mean Hours Fall Rain Temp Catawba Seyval

07/17	2.8	0.0	5545.80	14.5	3.2	0	0
07/18	3.9	0.0	3791.40	14.8	4.3	0	0
07/19	3.4	0.0	1676.60	15.0	4.5	0	0
07/20	1.9	0.0	3232.00	14.8	2.8	0	0
07/21	3.9	0.0	7104.90	14.0	4.9	0	0
07/22	2.9	0.0	4582.60	14.5	3.9	0	0
07/23	3.4	0.0	5731.40	14.0	3.9	0	0
07/24	9.2	0.0	3952.10	8.8	9.5	0	0

Deerfield, MA Black Rot - Grape From 2009-07-17 To 2009-07-24

High Low Wet Daily

Date Temp Temp Hours Risk Warning

07/17	70.8	67.6	16.3	2.82	Infection Risk
07/18	71.7	68.4	12.0	4.52	Infection Risk
07/19	71.5	68.2	10.8	1.74	Infection Risk
07/20	71.6	67.6	12.3	2.00	Infection Risk
07/21	71.5	67.2	22.5	4.54	Infection Risk
07/22	69.7	66.1	13.5	6.09	Infection Risk
07/23	69.7	67.8	14.5	2.55	Infection Risk
07/24	69.2	66.6	9.3	2.23	Infection Risk

Deerfield, MA Downy Mildew - Grape From 2009-07-17 To 2009-07-24

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/17	70.8	0.0	0.02	16.3	7.5	7.5	1	Primary Infection
07/18	71.7	>min	0.55	12.0	8.8	8.8	3	High Risk of Infection
07/19	71.5	>min		10.8	1.8	1.8	3	High Risk of Infection
07/20	71.6	>min		12.3	5.3	5.3	3	High Risk of Infection
07/21	71.5	>min	1.29	22.5	15.3	15.3	3	High Risk of Infection
07/22	69.7	>min	0.14	13.5	10.0	10.0	3	High Risk of Infection
07/23	69.7	>min	0.20	14.5	11.8	11.8	3	High Risk of Infection
07/24	69.2	>min	1.08	9.3	6.8	6.8	3	High Risk of Infection

Deerfield, MA Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Temperature Hours Hours Wet Ascospore Conidial

Date High Mean 70-85 >95 Hours Infection Index

07/17	70.8	69.2	6.3	0.0	16.3	Heavy
07/18	71.7	69.9	10.5	0.0	12.0	Heavy
07/19	71.5	69.8	11.8	0.0	10.8	60 Heavy
07/20	71.6	69.5	9.5	0.0	12.0	80 Heavy

07/21	71.5	69.3	6.8	0.0	22.3	Heavy	100	Heavy
07/22	69.7	67.4	0.0	0.0	13.5	Heavy	90	Heavy
07/23	69.7	68.8	0.0	0.0	14.5	Heavy	80	Heavy
07/24	69.2	67.6	0.0	0.0	8.8	Heavy	70	Heavy

Deerfield, MA Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
07/17	69.2	20.8	0.02	5.3	70.7	16 Light	37 Moderate
07/18	69.9	19.5	0.55	19.5	69.6	109 High	148 High
07/19	69.8	16.5	0.00	0.0	0.0	0	0
07/20	69.5	17.8	0.00	0.0	0.0	0	0
07/21	69.3	24.0	1.29	12.3	68.5	58 Moderate	92 High
07/22	67.4	23.0	0.14	30.3	67.4	218 High	237 High
07/23	68.8	20.8	0.20	3.0	69.4	8 Light	21 Light
07/24	67.6	13.8	1.08	17.3	67.9	96 High	132 High

Belchertown, MA Black Rot - Grape From 2009-07-17 To 2009-07-24

Date	High Temp	Low Temp	Wet Daily Hours	Risk Warning
07/17	2.5	0.0	0.00	
07/18	6.7	0.0	0.00	
07/19	2.9	0.0	0.00	
07/20	2.0	0.0	0.00	
07/21	3.8	0.0	0.00	
07/22	6.3	0.4	0.00	
07/23	4.3	0.0	0.00	
07/24	12.1	0.0	0.00	

Belchertown, MA Downy Mildew - Grape From 2009-07-17 To 2009-07-24

Date	High Deg Temp	Rain Hrs43	Wet Hours	Hours>95%RH	Risk Warning
07/17	2.5	0.76	0.0	0.0	0
07/18	6.7	0.83	0.0	0.0	0
07/19	2.9		0.0	0.0	0
07/20	2.0		0.0	0.0	0
07/21	3.8	0.91	0.0	0.0	0
07/22	6.3	0.05	0.0	0.0	0
07/23	4.3	0.32	0.0	0.0	0
07/24	12.1	2.06	0.0	0.0	0

Belchertown, MA Powdery Mildew - Grape From 2009-07-17 To 2009-07-24

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
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07/17	2.5	0.7	0.0	0.0	13.3		
07/18	6.7	1.1	0.0	0.0	11.8		
07/19	2.9	0.7	0.0	0.0	8.8		
07/20	2.0	0.3	0.0	0.0	12.5		
07/21	3.8	0.9	0.0	0.0	24.0		
07/22	6.3	2.0	0.0	0.0	14.8		
07/23	4.3	1.4	0.0	0.0	16.3		
07/24	12.1	5.2	0.0	0.0	10.5		

Belchertown, MA Phomopsis Cane+Leaf Spot - Grape From 2009-07-17 To 2009-07-24

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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07/17	0.7	0.0	0.76	0.5	0.0	0	0
07/18	1.1	0.0	0.83	19.8	1.2	0	0
07/19	0.7	0.0	0.00	0.0	0.0	0	0
07/20	0.3	0.0	0.00	0.0	0.0	0	0
07/21	0.9	0.0	0.91	18.0	1.1	0	0
07/22	2.0	0.0	0.05	42.0	1.6	0	0
07/23	1.4	0.0	0.32	66.0	1.5	0	0
07/24	5.2	0.0	2.06	81.0	2.2	0	0