

Deerfield\_Risk\_7\_1\_2009.txt

Deerfield, MA Black Rot - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/21	73.6	62.8	11.3	1.69	Infection Risk
06/22	71.1	63.5	4.0	0.62	
06/23	76.4	65.2	0.3	0.04	
06/24	76.2	64.9	15.0	2.48	Infection Risk
06/25	82.7	63.2	11.3	3.55	Infection Risk
06/26	77.8	61.5	20.8	4.03	Infection Risk
06/27	79.3	57.7	14.0	5.81	Infection Risk
06/28	77.7	59.6	13.8	7.04	Infection Risk
06/29	81.5	62.1	12.5	1.93	Infection Risk
06/30	81.2	58.5	17.5	2.85	Infection Risk
07/01	62.9	61.8	7.0	3.74	Infection Risk

Deerfield, MA 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	73.6	62.8	11.3	8.8	0.11	Low Infection Risk
06/22	71.1	63.5	4.0		0.00	
06/23	76.4	65.2	0.3		0.00	
06/24	76.2	64.9	15.0		1.10	High Infection Risk
06/25	82.7	63.2	11.3	3.5	0.13	Low Infection Risk
06/26	77.8	61.5	20.8	11.5	2.50	High Infection Risk
06/27	79.3	57.7	14.0	10.0	0.56	Moderate Infection Risk
06/28	77.7	59.6	13.8	10.0	0.59	Moderate Infection Risk
06/29	81.5	62.1	12.5	10.0	0.41	Low Infection Risk
06/30	81.2	58.5	17.5	12.5	1.41	High Infection Risk
07/01	62.9	61.8	7.0	7.0	0.00	

Deerfield, MA 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	73.6	0.0	0.14	11.3	6.8	0.0	1	Primary Infection
06/22	71.1	>min		4.0	0.0	0.0	0	
06/23	76.4	>min		0.3	0.0	0.0	0	
06/24	76.2	>min		15.0	0.0	0.0	0	
06/25	82.7	>min		11.3	2.0	0.0	1	Possible Infection
06/26	77.8	>min	0.10	20.8	9.0	2.0	3	High Risk of Infection
06/27	79.3	>min	0.11	14.0	9.5	0.0	1	Possible Infection
06/28	77.7	>min	0.01	13.8	9.3	0.3	1	Possible Infection
06/29	81.5	>min		12.5	9.8	0.5	3	High Risk of Infection
06/30	81.2	>min	0.60	17.5	12.0	0.0	1	Possible Infection
07/01	62.9	>min		7.0	7.0	0.0	1	Possible Infection

Deerfield, MA 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	73.6	67.9	7.0	0.0	11.3		
06/22	71.1	66.7	0.8	0.0	3.8		
06/23	76.4	69.8	9.5	0.0	0.3		
06/24	76.2	68.7	6.8	0.0	11.3		
06/25	82.7	72.3	15.3	0.0	10.3	Heavy	60 Heavy
06/26	77.8	67.9	3.3	0.0	19.8	Heavy	50 Medium
06/27	79.3	67.4	10.0	0.0	14.0	Heavy	70 Heavy

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06/28	77.7	67.3	8.0	0.0	13.5	Heavy	90	Heavy
06/29	81.5	69.3	8.8	0.0	12.0		100	Heavy
06/30	81.2	66.3	8.8	0.0	17.0	Heavy	100	Heavy
07/01	62.9	62.3	0.0	0.0	7.5	Heavy	90	Heavy

Leaf Wetness Sensor Parameters:

Base Temperature	0.0
Upper Temperature	100.0
Wetness Threshold	6.0

Deerfield, MA 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	67.9	21.3	0.14	18.8	67.5	110 High	144 High
06/22	66.7	15.3	0.00	0.0	0.0	0	0
06/23	69.8	3.3	0.00	0.0	0.0	0	0
06/24	68.7	21.8	0.00	0.0	0.0	0	0
06/25	72.3	22.3	0.00	0.0	0.0	0	0
06/26	67.9	24.0	0.10	11.8	67.6	56 Moderate	89 Moderate
06/27	67.4	22.5	0.11	89.0	67.4	1018 High	728 High
06/28	67.3	22.8	0.01	48.8	66.9	435 High	389 High
06/29	69.3	22.3	0.00	0.0	0.0	0	0
06/30	66.3	24.0	0.60	10.0	67.3	45 Moderate	75 Moderate
07/01	62.3	7.0	0.00	17.5	65.2	103 High	133 High

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