

Deerfield MA Black Rot - Grape From 2010-09-15 To 2010-09-29

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/15	67.6	45.9	4.5	0.19	
09/16	72.6	40.2	8.0	0.84	
09/17	68.7	54.6	8.8	2.01	Infection Risk
09/18	72.9	47.9	8.3	0.24	
09/19	73.7	49.2	11.5	0.70	
09/20	69.9	45.9	4.8	0.64	
09/21	76.2	38.7		0.00	
09/22	86.9	52.7	4.8	0.31	
09/23	80.5	57.1	0.8	0.10	
09/24	87.4	58.5	4.3	0.39	
09/25	83.4	60.6	7.5	1.69	Infection Risk
09/26	74.8	50.2	5.0	0.25	
09/27	58.0	54.1	21.0	1.62	Infection Risk
09/28	75.9	58.0	21.3	4.57	Infection Risk
09/29	68.3	63.6	7.3	5.73	Infection Risk

Deerfield MA Botrytis - Grape From 2010-09-15 To 2010-09-29

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/15	67.6	45.9	8.0	0.3	0.00	
09/16	72.6	40.2	16.5	10.3	1.06	High Infection Risk
09/17	68.7	54.6	8.8	7.8	0.00	
09/18	72.9	47.9	8.5	3.3	0.00	
09/19	73.7	49.2	11.5	10.0	0.00	
09/20	69.9	45.9	4.8	1.0	0.00	
09/21	76.2	38.7	5.0	0.3	0.00	
09/22	86.9	52.7	4.8	1.0	0.00	
09/23	80.5	57.1	0.8		0.00	
09/24	87.4	58.5	4.3		0.00	
09/25	83.4	60.6	7.5	6.8	0.00	
09/26	74.8	50.2	5.0		0.00	
09/27	58.0	54.1	21.0	16.3	1.92	High Infection Risk
09/28	75.9	58.0	21.3	19.8	2.28	High Infection Risk
09/29	68.3	63.6	7.3	7.3	0.00	

Deerfield MA Downy Mildew - Grape From 2010-09-15 To 2010-09-29

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/15	67.6	0.0		8.0	0.0	0.0	0	Primary Infection
09/16	72.6	>min	0.31	12.5	6.3	0.0	1	Possible Infection
09/17	68.7	>min	0.04	8.8	7.8	0.0	1	Possible Infection
09/18	72.9	>min		8.5	2.5	0.0	1	Possible Infection
09/19	73.7	>min		11.5	9.3	0.0	1	Possible Infection
09/20	69.9	>min		4.8	0.3	0.0	0	
09/21	76.2	>min		2.3	0.0	0.0	0	
09/22	86.9	>min		4.8	0.3	0.0	0	
09/23	80.5	>min		0.8	0.0	0.0	0	
09/24	87.4	>min		4.3	0.0	0.0	0	
09/25	83.4	>min		7.5	4.5	4.5	3	High Risk of Infection
09/26	74.8	>min		5.0	0.0	0.0	0	
09/27	58.0	>min	0.33	21.0	12.0	0.0	1	Possible Infection
09/28	75.9	>min	1.20	21.3	19.8	9.3	3	High Risk of Infection
09/29	68.3	>min		7.3	7.3	4.8	3	High Risk of Infection

Deerfield MA Powdery Mildew - Grape From 2010-09-15 To 2010-09-29

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/15	67.6	56.5	0.0	0.0	8.0		
09/16	72.6	55.8	2.0	0.0	16.5		
09/17	68.7	63.1	0.0	0.0	8.5	Heavy	
09/18	72.9	58.6	1.0	0.0	8.3		
09/19	73.7	60.7	4.3	0.0	11.5		
09/20	69.9	59.8	0.0	0.0	4.8		
09/21	76.2	57.1	3.5	0.0	6.3		
09/22	86.9	69.0	11.3	0.0	4.5		
09/23	80.5	68.3	8.0	0.0	0.5		
09/24	87.4	70.4	12.3	0.0	3.5		60 Heavy
09/25	83.4	72.1	11.5	0.0	7.5		80 Heavy
09/26	74.8	61.4	5.8	0.0	5.0		70 Heavy
09/27	58.0	56.4	0.0	0.0	21.0	Heavy	60 Heavy
09/28	75.9	66.2	10.8	0.0	21.0	Heavy	80 Heavy
09/29	68.3	66.2	0.0	0.0	7.3	Heavy	70 Heavy

Deerfield MA Phomopsis Cane+Leaf Spot - Grape From 2010-09-15 To 2010-09-29

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
09/15	56.5	8.3	0.00	0.0	0.0	0	0
09/16	55.8	15.5	0.31	7.8	59.5	30 Moderate	50 Moderate
09/17	63.1	8.8	0.04	16.5	61.4	93 High	117 High
09/18	58.6	8.8	0.00	0.0	0.0	0	0
09/19	60.7	11.8	0.00	0.0	0.0	0	0
09/20	59.8	5.5	0.00	0.0	0.0	0	0
09/21	57.1	4.5	0.00	0.0	0.0	0	0
09/22	69.0	5.5	0.00	0.0	0.0	0	0
09/23	68.3	1.3	0.00	0.0	0.0	0	0
09/24	70.4	5.5	0.00	0.0	0.0	0	0
09/25	72.1	7.8	0.00	0.0	0.0	0	0
09/26	61.4	5.5	0.00	0.0	0.0	0	0
09/27	56.4	21.5	0.33	15.8	56.8	75 Moderate	93 High
09/28	66.2	21.5	1.20	64.8	60.3	645 High	470 High
09/29	66.2	7.3	0.00	44.3	62.3	386 High	334 High

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