

Deerfield MA Black Rot - Grape From 2010-09-22 To 2010-10-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
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	82.7	61.8	8.3	5.88	Infection Risk
09/30	73.2	60.4	20.8	3.07	Infection Risk
10/01	73.0	51.7	23.0	5.91	Infection Risk
10/02	66.9	45.0		0.00	
10/03	60.7	37.5		0.00	
10/04	62.5	50.1	1.3	0.06	
10/05	60.4	51.2	8.5	0.66	
10/06	55.2	51.8	6.3	1.03	Infection Risk

Deerfield MA Botrytis - Grape From 2010-09-22 To 2010-10-06

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	82.7	61.8	8.3	8.3	0.00	
09/30	73.2	60.4	20.8	20.3	2.31	High Infection Risk
10/01	73.0	51.7	23.0	15.5	2.44	High Infection Risk
10/02	66.9	45.0	1.3		0.00	
10/03	60.7	37.5	4.3	0.3	0.00	
10/04	62.5	50.1	1.3		0.00	
10/05	60.4	51.2	8.5		0.00	
10/06	55.2	51.8	6.3	2.8	0.00	

Deerfield MA Downy Mildew - Grape From 2010-09-22 To 2010-10-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/22	86.9	0.0		4.8	0.3	0.0	0	Primary Infection
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	82.7	>min		8.3	8.3	5.5	3	High Risk of Infection
09/30	73.2	>min	2.33	20.8	17.0	10.0	3	High Risk of Infection
10/01	73.0	>min	2.27	23.0	13.0	5.5	3	High Risk of Infection
10/02	66.9	>min		1.3	0.0	0.0	0	
10/03	60.7	>min		1.0	0.0	0.0	0	
10/04	62.5	>min		1.3	0.0	0.0	0	
10/05	60.4	>min	0.03	8.5	0.0	0.0	0	
10/06	55.2	>min	0.26	6.3	2.5	0.0	1	Possible Infection

Deerfield MA Powdery Mildew - Grape From 2010-09-22 To 2010-10-06

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
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	82.7	70.0	10.0	0.0	8.3	Heavy	100 Heavy
09/30	73.2	66.4	9.3	0.0	20.5	Heavy	100 Heavy
10/01	73.0	63.0	7.3	0.0	22.8	Heavy	100 Heavy
10/02	66.9	55.7	0.0	0.0	1.3		90 Heavy
10/03	60.7	49.9	0.0	0.0	6.8		80 Heavy
10/04	62.5	55.2	0.0	0.0	1.0		70 Heavy
10/05	60.4	55.4	0.0	0.0	8.5		60 Heavy
10/06	55.2	53.9	0.0	0.0	6.3		50 Medium

Deerfield MA Phomopsis Cane+Leaf Spot - Grape From 2010-09-22 To 2010-10-06

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	70.0	8.3	0.00	44.8	62.3	393 High	338 High
09/30	66.4	22.3	2.33	16.8	68.5	91 High	128 High
10/01	63.0	23.8	2.27	39.8	65.6	331 High	313 High
10/02	55.7	1.3	0.00	0.0	0.0	0	0
10/03	49.9	4.0	0.00	0.0	0.0	0	0
10/04	55.2	1.5	0.00	0.0	0.0	0	0
10/05	55.4	8.8	0.03	4.8	53.3	11 Light	21 Light
10/06	53.9	6.3	0.26	4.0	52.5	8 Light	16 Light

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