

Deerfield MA Black Rot - Grape From 2010-06-01 To 2010-06-17

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	76.4	57.9	7.3	1.22	Infection Risk
06/02	87.2	57.3	7.3	1.99	Infection Risk
06/03	83.4	64.5	1.0	0.11	
06/04	87.9	60.6	7.0	0.99	
06/05	89.6	65.6	7.0	1.16	Infection Risk
06/06	80.5	55.5	9.0	1.28	Infection Risk
06/07	72.4	49.3	1.5	1.35	Infection Risk
06/08	71.2	47.9	3.0	0.17	
06/09	69.1	42.2	10.8	0.69	
06/10	64.5	52.0	21.3	2.43	Infection Risk
06/11	74.0	55.9	11.0	3.02	Infection Risk
06/12	63.4	58.1	16.8	2.38	Infection Risk
06/13	65.2	58.8	12.5	3.76	Infection Risk
06/14	79.7	58.3	7.0	4.47	Infection Risk
06/15	82.0	49.9	5.8	0.38	
06/16	71.1	47.4	3.0	0.40	
06/17	67.8	60.9	7.3	1.29	Infection Risk

Deerfield MA Downy Mildew - Grape From 2010-06-01 To 2010-06-17

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/01	76.4	0.0	0.12	7.3	1.5	1.5	1	Primary Infection
06/02	87.2	>min		7.3	8.0	0.3	1	Possible Infection
06/03	83.4	>min		1.0	0.0	0.0	0	
06/04	87.9	>min		7.0	5.0	0.0	1	Possible Infection
06/05	89.6	>min	0.01	7.0	2.3	2.3	3	High Risk of Infection
06/06	80.5	>min	0.48	9.0	3.8	1.3	3	High Risk of Infection
06/07	72.4	>min		1.5	0.0	0.0	0	
06/08	71.2	>min		3.0	0.0	0.0	0	
06/09	69.1	>min	0.43	16.0	7.0	0.0	1	Possible Infection
06/10	64.5	>min	0.36	21.3	18.8	0.0	1	Possible Infection
06/11	74.0	>min	0.01	11.0	7.0	0.0	1	Possible Infection
06/12	63.4	>min	0.88	16.8	14.3	0.0	1	Possible Infection
06/13	65.2	>min	0.02	12.5	11.0	0.0	1	Possible Infection
06/14	79.7	>min		7.0	8.3	0.0	1	Possible Infection
06/15	82.0	>min		5.8	0.0	0.0	0	
06/16	71.1	>min	0.01	3.5	0.0	0.0	0	
06/17	67.8	>min	0.11	7.3	5.5	0.0	1	Possible Infection

Deerfield MA Powdery Mildew - Grape From 2010-06-01 To 2010-06-17

Date	Temperature		Mildew	Grape		Wet Hours	Ascospore Infection	Conidial Index
	High	Mean	Hours 70-85	Hours >95				
06/01	76.4	66.6	5.8	0.0	6.5			
06/02	87.2	71.3	5.0	0.0	7.3	Heavy		
06/03	83.4	71.6	11.0	0.0	1.0			
06/04	87.9	73.3	6.8	0.0	7.0			
06/05	89.6	75.2	5.5	0.0	7.0			
06/06	80.5	65.7	3.3	0.0	8.0			
06/07	72.4	62.3	2.5	0.0	1.3			
06/08	71.2	59.5	0.5	0.0	2.8			
06/09	69.1	53.4	0.0	0.0	16.5			
06/10	64.5	57.1	0.0	0.0	20.5	Heavy		
06/11	74.0	63.4	2.0	0.0	10.8	Heavy		
06/12	63.4	60.9	0.0	0.0	16.5	Heavy		
06/13	65.2	62.2	0.0	0.0	11.3	Heavy		
06/14	79.7	67.3	9.5	0.0	7.0	Heavy		
06/15	82.0	65.8	10.0	0.0	5.8			
06/16	71.1	60.9	0.8	0.0	3.0			
06/17	67.8	62.6	0.0	0.0	7.0			

Deerfield MA Phomopsis Cane+Leaf Spot - Grape From 2010-06-01 To 2010-06-17

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/01	66.6	8.0	0.12	2.0	70.6	4 Light	14 Light
06/02	71.3	7.8	0.00	0.0	0.0	0	0
06/03	71.6	1.0	0.00	0.0	0.0	0	0
06/04	73.3	7.0	0.00	0.0	0.0	0	0
06/05	75.2	8.3	0.01	1.0	70.3	2 Light	7 Light
06/06	65.7	9.8	0.48	8.3	65.2	35 Moderate	61 Moderate
06/07	62.3	1.5	0.00	0.0	0.0	0	0
06/08	59.5	3.0	0.00	0.0	0.0	0	0
06/09	53.4	18.0	0.43	9.8	54.3	32 Moderate	48 Moderate
06/10	57.1	22.0	0.36	53.3	55.3	393 High	301 High
06/11	63.4	11.8	0.01	39.5	56.2	272 High	234 High
06/12	60.9	19.3	0.88	13.5	61.9	70 Moderate	96 High
06/13	62.2	12.8	0.02	23.0	61.2	149 High	164 High
06/14	67.3	7.0	0.00	0.0	0.0	0	0
06/15	65.8	6.3	0.00	0.0	0.0	0	0
06/16	60.9	4.5	0.01	1.3	65.8	2 Light	9 Light
06/17	62.6	7.3	0.11	7.3	61.7	29 Light	50 Moderate

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