

Deerfield 2011 Black Rot - Grape From 2011-06-01 To 2011-06-17

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	88.2	61.2	5.0	0.84	
06/02	68.6	51.9		0.00	
06/03	72.2	44.9	0.8	0.03	
06/04	77.7	42.4	0.8	0.04	
06/05	75.0	43.6	1.5	0.06	
06/06	83.3	53.9	4.5	0.33	
06/07	90.1	54.3	6.0	0.51	
06/08	93.5	59.9	6.8	0.78	
06/09	88.2	64.0	15.5	2.64	Infection Risk
06/10	79.9	63.2	7.8	3.76	Infection Risk
06/11	65.6	54.7	22.8	2.03	Infection Risk
06/12	60.1	51.8	10.3	2.60	Infection Risk
06/13	72.3	51.6	6.5	0.47	
06/14	63.5	50.9	11.5	0.70	
06/15	83.3	48.6	12.8	0.55	
06/16	86.0	53.1	9.3	1.17	Infection Risk
06/17	62.4	57.6	8.0	0.90	

Deerfield 2011 Downy Mildew - Grape From 2011-06-01 To 2011-06-17

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/01	88.2	0.0	0.44	5.0	3.8	3.8	1	Primary Infection
06/02	68.6	>min			0.0	0.0	0	
06/03	72.2	>min		4.5	0.0	0.0	0	
06/04	77.7	>min		3.3	0.0	0.0	0	
06/05	75.0	>min		5.8	0.0	0.0	0	
06/06	83.3	>min		4.5	0.0	0.0	0	
06/07	90.1	>min		6.0	1.0	0.0	1	Possible Infection
06/08	93.5	>min		6.8	2.5	0.0	1	Possible Infection
06/09	88.2	>min	0.58	15.5	9.0	7.8	3	High Risk of Infection
06/10	79.9	>min	0.01	7.8	8.5	0.8	3	High Risk of Infection
06/11	65.6	>min	0.82	22.8	16.5	0.0	1	Possible Infection
06/12	60.1	>min	0.08	10.3	11.8	0.0	1	Possible Infection
06/13	72.3	>min		6.5	6.3	0.0	1	Possible Infection
06/14	63.5	>min	0.31	11.5	3.8	0.0	1	Possible Infection
06/15	83.3	>min	0.06	12.8	8.0	0.0	1	Possible Infection
06/16	86.0	>min	0.01	9.3	9.8	0.0	1	Possible Infection
06/17	62.4	>min	0.08	8.0	4.3	0.0	1	Possible Infection

Deerfield 2011 Powdery Mildew - Grape From 2011-06-01 To 2011-06-17

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/01	88.2	71.2	5.0	0.0	5.0		
06/02	68.6	60.7	0.0	0.0	0.0		
06/03	72.2	59.1	3.0	0.0	4.3		
06/04	77.7	60.8	8.5	0.0	5.5		
06/05	75.0	60.8	3.5	0.0	5.8		
06/06	83.3	68.9	10.8	0.0	4.5		
06/07	90.1	72.4	4.0	0.0	6.0		
06/08	93.5	75.4	4.5	0.0	6.5		
06/09	88.2	71.1	4.5	0.0	15.3	Heavy	
06/10	79.9	69.8	10.3	0.0	7.8	Heavy	
06/11	65.6	57.8	0.0	0.0	22.8	Heavy	
06/12	60.1	55.8	0.0	0.0	10.3	Heavy	
06/13	72.3	63.2	2.3	0.0	6.5		
06/14	63.5	57.6	0.0	0.0	10.5		
06/15	83.3	64.2	9.0	0.0	12.3		
06/16	86.0	66.8	3.5	0.0	9.0		
06/17	62.4	59.4	0.0	0.0	8.0		

Deerfield 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-01 To 2011-06-17

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/01	71.2	5.8	0.44	2.8	71.9	6 Light	19 Light
06/02	60.7	0.0	0.00	0.0	0.0	0	0
06/03	59.1	4.5	0.00	0.0	0.0	0	0
06/04	60.8	5.5	0.00	0.0	0.0	0	0
06/05	60.8	6.0	0.00	0.0	0.0	0	0
06/06	68.9	4.5	0.00	0.0	0.0	0	0
06/07	72.4	6.8	0.00	0.0	0.0	0	0
06/08	75.4	7.3	0.00	0.0	0.0	0	0
06/09	71.1	17.3	0.58	10.5	66.7	49 Moderate	79 Moderate
06/10	69.8	7.8	0.01	16.3	65.3	92 High	123 High
06/11	57.8	23.0	0.82	32.5	57.7	221 High	207 High
06/12	55.8	10.3	0.08	28.8	55.8	168 High	164 High
06/13	63.2	6.5	0.00	0.0	0.0	0	0
06/14	57.6	12.3	0.31	8.3	56.8	30 Light	47 Moderate
06/15	64.2	13.0	0.06	5.0	59.4	16 Light	32 Moderate
06/16	66.8	9.8	0.01	13.5	56.9	61 Moderate	80 Moderate
06/17	59.4	8.0	0.08	1.3	62.3	2 Light	8 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