

Deerfield 2011 Black Rot - Grape From 2011-07-05 To 2011-07-22

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/05	90.3	61.6	7.5	1.09	Infection Risk
07/06	92.0	59.0	12.0	0.84	
07/07	84.7	62.2	8.5	1.85	Infection Risk
07/08	77.5	61.4	13.5	1.42	Infection Risk
07/09	83.8	61.0	8.8	2.67	Infection Risk
07/10	86.6	55.7	7.5	0.80	
07/11	93.1	59.4	6.8	0.77	
07/12	89.2	71.0	2.8	0.48	
07/13	85.9	60.5	9.5	1.39	Infection Risk
07/14	80.5	54.9	7.5	2.10	Infection Risk
07/15	85.2	53.3	7.3	0.53	
07/16	88.6	56.4	8.8	0.89	
07/17	92.3	58.2	7.8	1.04	Infection Risk
07/18	83.1	68.7	8.0	0.79	
07/19	88.0	64.3	9.3	2.05	Infection Risk
07/20	92.4	59.4	7.5	1.14	Infection Risk
07/21	99.0	68.7	6.3	0.96	
07/22	92.7	74.7	6.5	1.08	Infection Risk

Deerfield 2011 Downy Mildew - Grape From 2011-07-05 To 2011-07-22

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/05	90.3	0.0		7.5	5.0	0.0	1	Primary Infection
07/06	92.0	>min	0.10	12.0	6.0	0.3	1	Possible Infection
07/07	84.7	>min	0.01	8.5	8.5	0.8	3	High Risk of Infection
07/08	77.5	>min	0.11	13.5	6.8	6.0	3	High Risk of Infection
07/09	83.8	>min	0.04	8.8	8.0	6.3	3	High Risk of Infection
07/10	86.6	>min		7.5	4.0	0.0	1	Possible Infection
07/11	93.1	>min		6.8	3.8	0.0	1	Possible Infection
07/12	89.2	>min		2.8	0.3	0.3	0	
07/13	85.9	>min	0.02	9.5	0.0	0.0	0	
07/14	80.5	>min	0.01	7.5	2.8	0.0	1	Possible Infection
07/15	85.2	>min		7.3	0.0	0.0	0	
07/16	88.6	>min		8.8	4.0	0.0	1	Possible Infection
07/17	92.3	>min		7.8	2.8	0.0	1	Possible Infection
07/18	83.1	>min		8.0	0.3	0.3	0	
07/19	88.0	>min		9.3	7.3	4.5	3	High Risk of Infection
07/20	92.4	>min		7.5	6.0	0.0	1	Possible Infection
07/21	99.0	>min		6.3	2.8	2.8	3	High Risk of Infection
07/22	92.7	>min		6.5	2.3	2.3	3	High Risk of Infection

Deerfield 2011 Powdery Mildew - Grape From 2011-07-05 To 2011-07-22

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index	
	High	Mean						
07/05	90.3	75.1	4.8	0.0	7.3			
07/06	92.0	73.9	4.0	0.0	12.0			
07/07	84.7	71.7	11.5	0.0	8.5	Heavy		
07/08	77.5	68.7	10.5	0.0	13.3			
07/09	83.8	72.9	12.8	0.0	8.3	Heavy	60	Heavy
07/10	86.6	70.8	7.0	0.0	7.5		80	Heavy
07/11	93.1	75.9	10.0	0.0	6.8		100	Heavy
07/12	89.2	80.5	10.0	0.0	2.5		100	Heavy
07/13	85.9	72.1	18.0	0.0	9.3		100	Heavy
07/14	80.5	68.2	10.5	0.0	7.5	Heavy	100	Heavy
07/15	85.2	69.7	8.3	0.0	7.3		100	Heavy
07/16	88.6	72.2	5.0	0.0	8.8		90	Heavy
07/17	92.3	76.0	5.3	0.0	7.5		80	Heavy
07/18	83.1	75.0	24.0	0.0	7.3		100	Heavy
07/19	88.0	75.0	4.8	0.0	9.3		90	Heavy
07/20	92.4	75.0	5.8	0.0	7.5		80	Heavy
07/21	99.0	82.3	8.0	4.3	6.3		90	Heavy
07/22	92.7	79.4	12.0	0.0	6.5		100	Heavy

Deerfield 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-05 To 2011-07-22

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/05	75.1	7.8	0.00	0.0	0.0	0	0
07/06	73.9	12.0	0.10	4.8	65.8	16 Light	34 Moderate
07/07	71.7	8.5	0.01	12.5	64.3	64 Moderate	93 High
07/08	68.7	14.8	0.11	7.5	70.0	27 Light	55 Moderate
07/09	72.9	9.0	0.04	15.3	68.3	80 Moderate	116 High
07/10	70.8	7.8	0.00	0.0	0.0	0	0
07/11	75.9	6.8	0.00	0.0	0.0	0	0
07/12	80.5	3.0	0.00	0.0	0.0	0	0
07/13	72.1	9.5	0.02	7.0	62.8	28 Light	50 Moderate
07/14	68.2	7.8	0.01	11.3	60.2	53 Moderate	76 Moderate
07/15	69.7	7.3	0.00	0.0	0.0	0	0
07/16	72.2	8.8	0.00	0.0	0.0	0	0
07/17	76.0	8.0	0.00	0.0	0.0	0	0
07/18	75.0	10.3	0.00	0.0	0.0	0	0
07/19	75.0	10.3	0.00	0.0	0.0	0	0
07/20	75.0	7.5	0.00	0.0	0.0	0	0
07/21	82.3	7.8	0.00	0.0	0.0	0	0
07/22	79.4	6.5	0.00	0.0	0.0	0	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