

Deerfield 2011 Black Rot - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	67.3	59.5	24.0	3.47	Infection Risk
08/16	74.7	58.7	14.8	5.16	Infection Risk
08/17	84.9	56.8	12.0	6.05	Infection Risk
08/18	83.6	57.6	13.3	2.05	Infection Risk
08/19	86.9	62.7	12.5	3.38	Infection Risk
08/20	85.8	58.2	14.0	1.50	Infection Risk
08/21	83.9	57.3	17.0	3.17	Infection Risk
08/22	75.6	56.2	10.3	4.17	Infection Risk
08/23	78.4	49.7	12.0	0.76	
08/24	80.6	51.5	9.3	0.81	
08/25	76.4	62.2	15.0	2.59	Infection Risk
08/26	86.1	62.8	11.8	3.80	Infection Risk
08/27	81.7	59.7	15.8	1.64	Infection Risk
08/28	72.2	57.4	19.3	4.56	Infection Risk
08/29	75.9	52.2	8.0	4.85	Infection Risk
08/30	81.0	51.7	11.3	0.84	
08/31	57.0	53.3	4.0	0.63	

Deerfield 2011 Botrytis - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/15	67.3	59.5	24.0	24.0	3.17	High Infection Risk
08/16	74.7	58.7	14.8	14.5	0.75	Moderate Infection Risk
08/17	84.9	56.8	12.0	11.0	0.12	Low Infection Risk
08/18	83.6	57.6	13.3	12.8	0.40	Low Infection Risk
08/19	86.9	62.7	12.5	11.3	0.63	Moderate Infection Risk
08/20	85.8	58.2	14.0	9.3	0.75	Moderate Infection Risk
08/21	83.9	57.3	17.0	15.0	1.32	High Infection Risk
08/22	75.6	56.2	10.3	5.5	0.00	
08/23	78.4	49.7	12.0	8.5	0.00	
08/24	80.6	51.5	9.3	7.5	0.00	
08/25	76.4	62.2	15.0	12.0	1.03	High Infection Risk
08/26	86.1	62.8	11.8	10.8	0.36	Low Infection Risk
08/27	81.7	59.7	15.8	15.0	1.16	High Infection Risk
08/28	72.2	57.4	19.3	17.5	2.20	High Infection Risk
08/29	75.9	52.2	8.0	3.0	0.00	
08/30	81.0	51.7	11.3	8.3	0.00	
08/31	57.0	53.3	4.0	4.0	0.00	

Deerfield 2011 Downy Mildew - Grape From 2011-08-15 To 2011-08-31

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/15	67.3	0.0	2.80	24.0	24.0	3.0	1	Primary Infection
08/16	74.7	>min	0.06	14.8	14.0	0.0	1	Possible Infection
08/17	84.9	>min		12.0	10.3	0.3	1	Possible Infection
08/18	83.6	>min		13.3	10.0	1.5	3	High Risk of Infection
08/19	86.9	>min		12.5	10.0	5.0	3	High Risk of Infection
08/20	85.8	>min	0.01	14.0	9.0	0.3	1	Possible Infection
08/21	83.9	>min	0.33	17.0	13.8	5.0	3	High Risk of Infection
08/22	75.6	>min	0.04	10.3	4.3	1.8	3	High Risk of Infection
08/23	78.4	>min		12.0	7.8	0.0	1	Possible Infection
08/24	80.6	>min		9.3	7.5	0.0	1	Possible Infection
08/25	76.4	>min	0.03	15.0	9.8	5.3	3	High Risk of Infection
08/26	86.1	>min		11.8	10.0	1.8	3	High Risk of Infection
08/27	81.7	>min	0.13	15.8	14.8	6.5	3	High Risk of Infection
08/28	72.2	>min	3.51	19.3	16.8	16.8	3	High Risk of Infection
08/29	75.9	>min		8.0	1.8	0.0	1	Possible Infection
08/30	81.0	>min		11.3	7.5	0.0	1	Possible Infection
08/31	57.0	>min		4.0	4.0	0.0	1	Possible Infection

Deerfield 2011 Powdery Mildew - Grape From 2011-08-15 To 2011-08-31

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/15	67.3	64.3	0.0	0.0	24.0	Heavy	
08/16	74.7	64.2	3.5	0.0	14.8	Heavy	
08/17	84.9	68.3	9.3	0.0	12.0	Heavy	
08/18	83.6	69.7	11.3	0.0	13.3	Heavy	
08/19	86.9	70.6	4.0	0.0	12.5	Heavy	
08/20	85.8	69.7	5.8	0.0	14.0		
08/21	83.9	68.0	11.0	0.0	16.8	Heavy	
08/22	75.6	66.1	7.0	0.0	10.0	Heavy	
08/23	78.4	63.1	8.3	0.0	12.0		60 Heavy
08/24	80.6	65.4	9.8	0.0	9.0		80 Heavy
08/25	76.4	69.8	13.0	0.0	15.0	Heavy	100 Heavy
08/26	86.1	71.9	6.0	0.0	11.8	Heavy	100 Heavy
08/27	81.7	69.5	11.5	0.0	15.8		100 Heavy
08/28	72.2	68.0	2.5	0.0	19.3	Heavy	90 Heavy
08/29	75.9	64.1	7.0	0.0	8.0	Heavy	100 Heavy
08/30	81.0	64.7	7.8	0.0	11.3		100 Heavy
08/31	57.0	55.4	0.0	0.0	4.0		90 Heavy

Deerfield 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-15 To 2011-08-31

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/15	64.3	24.0	2.80	24.0	64.3	162 High	183 High
08/16	64.2	15.3	0.06	33.0	62.9	255 High	249 High
08/17	68.3	12.0	0.00	0.0	0.0	0	0
08/18	69.7	13.3	0.00	0.0	0.0	0	0
08/19	70.6	12.8	0.00	0.0	0.0	0	0
08/20	69.7	14.3	0.01	1.0	76.1	1 Light	6 Light
08/21	68.0	17.0	0.33	9.3	71.2	35 Moderate	67 Moderate
08/22	66.1	10.5	0.04	14.3	67.1	75 Moderate	108 High
08/23	63.1	12.0	0.00	0.0	0.0	0	0
08/24	65.4	9.3	0.00	0.0	0.0	0	0
08/25	69.8	15.5	0.03	4.5	69.4	14 Light	32 Moderate
08/26	71.9	12.0	0.00	12.0	65.7	60 Moderate	90 High
08/27	69.5	15.8	0.13	6.8	70.2	23 Light	49 Moderate
08/28	68.0	19.5	3.51	26.0	69.3	167 High	201 High
08/29	64.1	8.5	0.00	0.0	0.0	0	0
08/30	64.7	11.3	0.00	0.0	0.0	0	0
08/31	55.4	4.0	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