

Deerfield 2011 Black Rot - Grape From 2011-05-01 To 2011-05-27

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	72.8	38.5		0.00	
05/02	63.7	36.8		0.00	
05/03	76.5	50.6		0.00	
05/04	61.4	43.9	11.3	0.60	
05/05	57.9	39.4	0.3	0.60	
05/06	72.0	32.5		0.01	
05/07	71.9	44.3	0.3	0.04	
05/08	70.2	43.5	1.0	0.04	
05/09	68.1	50.7		0.00	
05/10	69.8	49.6		0.00	
05/11	69.4	52.2		0.00	
05/12	73.9	43.9		0.00	
05/13	77.7	43.7	4.8	0.16	
05/14	65.5	54.3	6.3	0.50	
05/15	58.9	51.4	24.0	2.24	Infection Risk
05/16	53.7	48.3	23.0	3.35	Infection Risk
05/17	54.9	47.8	20.8	4.37	Infection Risk
05/18	59.7	50.9	15.0	5.33	Infection Risk
05/19	66.0	53.7	13.3	6.40	Infection Risk
05/20	72.4	54.6	16.0	7.92	Infection Risk
05/21	75.9	53.9	12.3	8.98	Infection Risk
05/22	69.9	51.9		0.00	
05/23	60.7	51.1	21.8	1.62	Infection Risk
05/24	82.9	58.8	13.0	2.82	Infection Risk
05/25	82.4	53.7	9.5	1.10	Infection Risk
05/26	83.9	56.4	7.5	0.94	
05/27	76.0	59.1	7.5	0.92	

Deerfield 2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-27

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/01	72.8				0.0	0.0	0	
05/02	63.7				0.0	0.0	0	
05/03	76.5				0.0	0.0	0	
05/04	61.4	0.0	0.25	16.8	1.0	0.0	1	Primary Infection
05/05	57.9	115.1	0.03	4.3	0.0	0.0	0	
05/06	72.0	>min	0.01		0.0	0.0	0	
05/07	71.9	>min	0.01	2.3	0.0	0.0	0	
05/08	70.2	>min		5.3	0.0	0.0	0	
05/09	68.1	>min			0.0	0.0	0	
05/10	69.8	>min			0.0	0.0	0	
05/11	69.4	>min			0.0	0.0	0	
05/12	73.9	>min		1.5	0.0	0.0	0	
05/13	77.7	>min		9.5	3.0	0.0	1	Possible Infection
05/14	65.5	>min	0.01	6.3	2.5	0.0	1	Possible Infection
05/15	58.9	>min	1.33	24.0	23.0	0.0	1	Possible Infection
05/16	53.7	>min	0.08	23.0	18.3	0.0	1	Possible Infection
05/17	54.9	>min	0.38	23.5	19.3	0.0	1	Possible Infection
05/18	59.7	>min	0.86	15.0	14.0	0.0	1	Possible Infection
05/19	66.0	>min	0.82	13.3	13.3	0.0	1	Possible Infection
05/20	72.4	>min	0.02	16.0	15.3	0.0	1	Possible Infection
05/21	75.9	>min	0.32	12.3	9.8	0.0	1	Possible Infection
05/22	69.9	>min			0.0	0.0	0	
05/23	60.7	>min	0.11	21.8	18.3	0.0	1	Possible Infection
05/24	82.9	>min	0.03	13.0	12.8	1.0	3	High Risk of Infection
05/25	82.4	>min		9.5	5.0	0.0	1	Possible Infection
05/26	83.9	>min		7.5	4.0	0.0	1	Possible Infection
05/27	76.0	>min	0.05	7.5	6.8	0.3	1	Possible Infection

Deerfield 2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-27

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/01	72.8	55.3	3.0	0.0	0.5		
05/02	63.7	53.2	0.0	0.0	2.8		
05/03	76.5	63.2	6.0	0.0	0.0		
05/04	61.4	52.2	0.0	0.0	16.8		
05/05	57.9	47.5	0.0	0.0	10.3	Heavy	
05/06	72.0	54.4	2.8	0.0	7.3		
05/07	71.9	58.1	1.0	0.0	2.3		
05/08	70.2	57.4	0.3	0.0	5.3		
05/09	68.1	59.3	0.0	0.0	0.0		
05/10	69.8	59.3	0.0	0.0	0.0		
05/11	69.4	58.6	0.0	0.0	0.0		
05/12	73.9	60.0	4.5	0.0	1.5		
05/13	77.7	60.1	6.3	0.0	9.3		
05/14	65.5	58.5	0.0	0.0	6.3		
05/15	58.9	55.4	0.0	0.0	23.8	Heavy	
05/16	53.7	51.1	0.0	0.0	22.5	Heavy	
05/17	54.9	50.8	0.0	0.0	23.0	Heavy	
05/18	59.7	55.5	0.0	0.0	14.0	Heavy	
05/19	66.0	59.1	0.0	0.0	12.5	Heavy	
05/20	72.4	61.0	1.3	0.0	15.8	Heavy	
05/21	75.9	62.2	2.8	0.0	11.5	Heavy	
05/22	69.9	58.5	0.0	0.0	0.0		
05/23	60.7	55.3	0.0	0.0	21.8	Heavy	
05/24	82.9	67.6	8.3	0.0	13.0	Heavy	
05/25	82.4	67.6	10.0	0.0	9.3		
05/26	83.9	69.3	10.8	0.0	7.5		60 Heavy
05/27	76.0	64.1	2.3	0.0	7.5		50 Medium

Deerfield 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-27

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
05/01	55.3	0.3	0.00	0.0	0.0	0	0
05/02	53.2	0.3	0.00	0.0	0.0	0	0
05/03	63.2	0.0	0.00	0.0	0.0	0	0
05/04	52.2	18.0	0.25	18.5	50.1	52 Moderate	62 Moderate
05/05	47.5	9.5	0.03	26.8	46.7	44 Moderate	50 Moderate
05/06	54.4	0.5	0.01	12.8	38.7	0	0
05/07	58.1	2.5	0.01	0.0	0.0	0	0
05/08	57.4	5.5	0.00	0.0	0.0	0	0
05/09	59.3	0.0	0.00	0.0	0.0	0	0
05/10	59.3	0.0	0.00	0.0	0.0	0	0
05/11	58.6	0.0	0.00	0.0	0.0	0	0
05/12	60.0	1.5	0.00	0.0	0.0	0	0
05/13	60.1	11.8	0.00	0.0	0.0	0	0
05/14	58.5	7.5	0.01	3.5	56.3	9 Light	19 Light
05/15	55.4	24.0	1.33	27.5	55.5	155 High	154 High
05/16	51.1	23.0	0.08	46.0	53.5	279 High	226 High
05/17	50.8	23.8	0.38	52.0	50.2	230 High	183 High
05/18	55.5	15.3	0.86	85.5	51.3	542 High	351 High
05/19	59.1	14.8	0.82	26.5	55.6	148 High	149 High
05/20	61.0	16.5	0.02	13.0	59.1	63 Moderate	85 Moderate
05/21	62.2	13.3	0.32	2.0	64.6	5 Light	14 Light
05/22	58.5	0.0	0.00	0.0	0.0	0	0
05/23	55.3	22.3	0.11	15.3	57.0	73 Moderate	91 High
05/24	67.6	13.8	0.03	25.0	59.3	161 High	169 High
05/25	67.6	10.5	0.00	0.0	0.0	0	0
05/26	69.3	7.5	0.00	0.0	0.0	0	0
05/27	64.1	7.8	0.05	7.5	61.7	30 Moderate	52 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