

Deerfield 2011 Black Rot - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	82.1	61.2	8.0	1.08	Infection Risk
09/02	80.2	54.6	8.8	0.46	
09/03	85.4	58.5	12.8	1.27	Infection Risk
09/04	82.0	66.9	11.3	2.74	Infection Risk
09/05	78.3	63.7	16.8	5.54	Infection Risk
09/06	66.9	57.6	20.5	7.93	Infection Risk
09/07	62.0	57.3	24.0	10.34	Infection Risk
09/08	74.7	57.0	15.3	11.25	Infection Risk
09/09	82.0	57.5	11.3	2.01	Infection Risk
09/10	73.9	53.4	10.8	1.02	Infection Risk
09/11	72.3	51.8	12.5	0.64	
09/12	83.2	55.1	14.3	1.26	Infection Risk
09/13	84.2	58.2	14.3	1.73	Infection Risk
09/14	81.6	63.0	13.5	2.11	Infection Risk
09/15	68.8	45.7	17.8	2.90	Infection Risk
09/16	63.4	40.0		2.90	Infection Risk
09/17	65.4	37.7	3.0	0.10	
09/18	68.4	44.0	1.8	0.16	
09/19	69.9	38.9	5.3	0.19	
09/20	66.3	47.3	16.5	1.42	Infection Risk
09/21	55.4	53.4	4.0	1.68	Infection Risk

Deerfield 2011 Botrytis - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/01	82.1	61.2	8.0	7.3	0.00	
09/02	80.2	54.6	8.8	5.3	0.00	
09/03	85.4	58.5	12.8	10.5	0.28	Low Infection Risk
09/04	82.0	66.9	11.3	12.5	0.71	Moderate Infection Risk
09/05	78.3	63.7	16.8	16.5	1.50	High Infection Risk
09/06	66.9	57.6	20.5	15.3	1.96	High Infection Risk
09/07	62.0	57.3	24.0	24.0	2.65	High Infection Risk
09/08	74.7	57.0	15.3	17.5	1.06	High Infection Risk
09/09	82.0	57.5	11.3	10.0	0.06	Low Infection Risk
09/10	73.9	53.4	10.8	7.8	0.00	
09/11	72.3	51.8	12.5	8.0	0.00	
09/12	83.2	55.1	14.3	11.5	0.38	Low Infection Risk
09/13	84.2	58.2	14.3	10.5	0.89	Moderate Infection Risk
09/14	81.6	63.0	13.5	10.3	0.66	Moderate Infection Risk
09/15	68.8	45.7	18.0	12.8	1.54	High Infection Risk
09/16	63.4	40.0	10.8	1.8	0.00	
09/17	65.4	37.7	7.3	3.0	0.00	
09/18	68.4	44.0	9.3	6.5	0.00	
09/19	69.9	38.9	11.3	6.5	0.00	
09/20	66.3	47.3	18.0	19.3	1.42	High Infection Risk
09/21	55.4	53.4	4.0	4.0	0.00	

Deerfield 2011 Downy Mildew - Grape From 2011-09-01 To 2011-09-21

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	82.1	0.0		8.0	6.5	0.0	1	Primary Infection
09/02	80.2	>min		8.8	3.8	0.0	1	Possible Infection
09/03	85.4	>min		12.8	8.0	3.5	3	High Risk of Infection
09/04	82.0	>min		11.3	10.8	10.8	3	High Risk of Infection
09/05	78.3	>min	2.27	16.8	12.8	10.8	3	High Risk of Infection
09/06	66.9	>min	0.90	20.5	13.8	0.0	1	Possible Infection
09/07	62.0	>min	1.81	24.0	24.0	0.0	1	Possible Infection
09/08	74.7	>min	0.75	15.3	15.8	4.3	3	High Risk of Infection
09/09	82.0	>min		11.3	9.5	0.3	1	Possible Infection
09/10	73.9	>min		10.8	7.5	0.0	1	Possible Infection
09/11	72.3	>min		12.5	6.8	0.0	1	Possible Infection
09/12	83.2	>min		14.3	10.3	0.0	1	Possible Infection
09/13	84.2	>min		14.3	10.3	0.0	1	Possible Infection
09/14	81.6	>min	0.06	13.5	8.3	0.3	1	Possible Infection
09/15	68.8	>min	0.10	18.0	11.3	1.0	3	High Risk of Infection
09/16	63.4	>min		7.8	0.8	0.0	1	Possible Infection
09/17	65.4	>min		4.8	0.0	0.0	0	
09/18	68.4	>min		9.3	3.3	0.0	1	Possible Infection
09/19	69.9	>min		8.0	2.3	0.0	1	Possible Infection
09/20	66.3	>min	0.12	18.0	18.3	0.0	1	Possible Infection
09/21	55.4	>min		4.0	4.0	0.0	1	Possible Infection

Deerfield 2011 Powdery Mildew - Grape From 2011-09-01 To 2011-09-21

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	82.1	69.8	10.5	0.0	7.8		
09/02	80.2	66.9	9.0	0.0	8.5		
09/03	85.4	70.8	13.8	0.0	12.8		60 Heavy
09/04	82.0	73.0	14.3	0.0	11.0	Heavy	80 Heavy
09/05	78.3	70.8	13.3	0.0	16.5	Heavy	100 Heavy
09/06	66.9	61.7	0.0	0.0	20.5	Heavy	90 Heavy
09/07	62.0	59.3	0.0	0.0	24.0	Heavy	80 Heavy
09/08	74.7	63.6	3.5	0.0	15.3	Heavy	70 Heavy
09/09	82.0	68.5	8.8	0.0	11.3	Heavy	90 Heavy
09/10	73.9	63.3	7.0	0.0	10.8		100 Heavy
09/11	72.3	61.1	2.0	0.0	12.5		90 Heavy
09/12	83.2	66.3	8.0	0.0	14.3		100 Heavy
09/13	84.2	68.6	8.3	0.0	14.3	Heavy	100 Heavy
09/14	81.6	69.8	10.3	0.0	13.5	Heavy	100 Heavy
09/15	68.8	60.1	0.0	0.0	18.0	Heavy	90 Heavy
09/16	63.4	50.3	0.0	0.0	10.5	Heavy	80 Heavy
09/17	65.4	50.2	0.0	0.0	12.0		70 Heavy
09/18	68.4	55.0	0.0	0.0	9.3		60 Heavy
09/19	69.9	52.1	0.0	0.0	14.0		50 Medium
09/20	66.3	57.0	0.0	0.0	18.0	Heavy	40 Medium
09/21	55.4	54.3	0.0	0.0	4.0	Heavy	30 Light

Deerfield 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-09-01 To 2011-09-21

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
09/01	69.8	8.0	0.00	0.0	0.0	0	0
09/02	66.9	10.0	0.00	0.0	0.0	0	0
09/03	70.8	13.0	0.00	0.0	0.0	0	0
09/04	73.0	12.8	0.00	0.0	0.0	0	0
09/05	70.8	19.8	2.27	27.5	69.8	178 High	212 High
09/06	61.7	20.5	0.90	34.0	65.0	266 High	265 High
09/07	59.3	24.0	1.81	32.3	59.9	236 High	225 High
09/08	63.6	15.3	0.75	42.3	59.5	343 High	293 High
09/09	68.5	11.3	0.00	0.0	0.0	0	0
09/10	63.3	10.8	0.00	0.0	0.0	0	0
09/11	61.1	13.5	0.00	0.0	0.0	0	0
09/12	66.3	14.5	0.00	0.0	0.0	0	0
09/13	68.6	14.3	0.00	0.0	0.0	0	0
09/14	69.8	13.8	0.06	1.5	63.5	3 Light	10 Light
09/15	60.1	18.5	0.10	30.3	62.5	225 High	226 High
09/16	50.3	10.3	0.00	0.0	0.0	0	0
09/17	50.2	7.5	0.00	0.0	0.0	0	0
09/18	55.0	9.5	0.00	0.0	0.0	0	0
09/19	52.1	10.3	0.00	0.0	0.0	0	0
09/20	57.0	18.3	0.12	4.3	57.4	12 Light	25 Light
09/21	54.3	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