

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/05	86.2	64.0		0.00	
07/06	85.9	60.2	4.5	0.52	
07/07	85.7	64.9	5.5	0.93	
07/08	79.3	65.1	12.5	2.05	Infection Risk
07/09	83.4	63.8	7.0	3.13	Infection Risk
07/10	81.9	57.8	3.3	0.21	
07/11	87.7	62.9	6.8	1.23	Infection Risk
07/12	89.3	72.7		0.00	
07/13	85.4	61.4	2.5	0.39	
07/14	76.8	58.1	2.3	0.61	
07/15	84.6	58.4	4.5	0.39	
07/16	85.0	59.9	7.0	1.03	Infection Risk
07/17	85.3	61.8	2.3	0.29	
07/18	86.1	69.9	1.0	0.17	
07/19	85.9	67.6	8.8	1.30	Infection Risk
07/20	84.6	62.4	10.0	1.38	Infection Risk
07/21	87.6	70.2	8.0	1.96	Infection Risk
07/22	87.0	74.9	6.0	0.85	

Colchester 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	Hours>95%RH 66-77	Risk	Warning
07/05	86.2				0.0	0.0	0	
07/06	85.9	0.0		4.5	2.8	0.0	1	Primary Infection
07/07	85.7	>min		5.5	5.0	2.8	3	High Risk of Infection
07/08	79.3	>min	1.07	12.5	10.0	7.8	3	High Risk of Infection
07/09	83.4	>min	0.11	7.0	7.5	1.5	3	High Risk of Infection
07/10	81.9	>min		3.3	1.0	0.0	1	Possible Infection
07/11	87.7	>min		6.8	7.3	4.5	3	High Risk of Infection
07/12	89.3	>min			0.0	0.0	0	
07/13	85.4	>min	0.01	2.5	0.0	0.0	0	
07/14	76.8	>min		2.3	0.0	0.0	0	
07/15	84.6	>min	0.02	4.5	0.0	0.0	0	
07/16	85.0	>min		7.0	5.5	0.8	3	High Risk of Infection
07/17	85.3	>min		2.3	1.3	0.0	1	Possible Infection
07/18	86.1	>min		1.0	0.0	0.0	0	
07/19	85.9	>min		8.8	5.8	5.8	3	High Risk of Infection
07/20	84.6	>min		10.0	6.5	2.0	3	High Risk of Infection
07/21	87.6	>min		8.0	8.3	8.3	3	High Risk of Infection
07/22	87.0	>min		5.5	1.0	1.0	3	High Risk of Infection

Colchester 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	86.2	75.0	8.3	0.0	0.0			
07/06	85.9	75.2	15.5	0.0	4.3			
07/07	85.7	75.4	14.3	0.0	5.5		60	Heavy
07/08	79.3	69.9	9.0	0.0	11.8		80	Heavy
07/09	83.4	73.4	13.8	0.0	7.0	Heavy	100	Heavy
07/10	81.9	70.3	12.5	0.0	2.3		100	Heavy
07/11	87.7	76.4	11.8	0.0	6.8		100	Heavy
07/12	89.3	79.9	10.5	0.0	0.0		100	Heavy
07/13	85.4	74.2	21.3	0.0	2.3		100	Heavy
07/14	76.8	67.2	9.8	0.0	1.3		100	Heavy
07/15	84.6	70.5	13.0	0.0	4.0		100	Heavy
07/16	85.0	73.3	14.8	0.0	7.0		100	Heavy
07/17	85.3	75.3	17.0	0.0	2.3		100	Heavy
07/18	86.1	76.2	23.3	0.0	0.8		100	Heavy
07/19	85.9	76.8	13.0	0.0	8.8		100	Heavy
07/20	84.6	74.0	16.8	0.0	10.0		100	Heavy
07/21	87.6	78.5	18.8	0.0	8.0		100	Heavy
07/22	87.0	78.7	7.3	0.0	3.8		100	Heavy

Colchester 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	75.0	0.8	0.00	0.0	0.0	0	0
07/06	75.2	5.8	0.00	0.0	0.0	0	0
07/07	75.4	6.5	0.00	0.0	0.0	0	0
07/08	69.9	15.8	1.07	10.8	68.2	49 Moderate	81 Moderate
07/09	73.4	7.0	0.11	14.3	67.0	75 Moderate	108 High
07/10	70.3	4.3	0.00	0.0	0.0	0	0
07/11	76.4	6.8	0.00	0.0	0.0	0	0
07/12	79.9	0.0	0.00	0.0	0.0	0	0
07/13	74.2	3.3	0.01	3.0	65.0	8 Light	21 Light
07/14	67.2	3.8	0.00	0.0	0.0	0	0
07/15	70.5	6.5	0.02	0.5	65.2	1 Light	3 Light
07/16	73.3	7.0	0.00	7.5	62.8	31 Moderate	53 Moderate
07/17	75.3	3.5	0.00	0.0	0.0	0	0
07/18	76.2	4.5	0.00	0.0	0.0	0	0
07/19	76.8	9.0	0.00	0.0	0.0	0	0
07/20	74.0	11.0	0.00	0.0	0.0	0	0
07/21	78.5	8.3	0.00	0.0	0.0	0	0
07/22	78.7	7.0	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