

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/15	69.9	61.1	24.0	3.81	Infection Risk
08/16	72.4	59.0	9.8	4.57	Infection Risk
08/17	84.0	57.5	6.8	0.99	
08/18	81.6	62.8	4.0	0.61	
08/19	79.2	66.2	4.5	0.63	
08/20	85.9	65.8	9.0	1.39	Infection Risk
08/21	81.5	62.8	11.3	1.36	Infection Risk
08/22	76.1	59.8	6.3	1.70	Infection Risk
08/23	77.5	54.0		0.00	
08/24	77.0	54.7	5.5	0.57	
08/25	80.2	68.7	4.8	0.80	
08/26	86.0	66.9	6.8	1.69	Infection Risk
08/27	76.4	64.8	18.0	3.21	Infection Risk
08/28	74.5	61.9	15.3	5.82	Infection Risk
08/29	76.7	55.5	1.8	0.08	
08/30	79.8	53.7	6.3	0.48	
08/31	57.9	54.8	2.8	0.21	

Colchester 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	69.9	61.1	24.0	24.0	3.31	High Infection Risk
08/16	72.4	59.0	9.8	9.8	0.00	
08/17	84.0	57.5	6.8	7.3	0.00	
08/18	81.6	62.8	4.0	4.0	0.00	
08/19	79.2	66.2	4.5	6.8	0.00	
08/20	85.9	65.8	9.0	8.8	0.00	
08/21	81.5	62.8	11.3	11.0	0.26	Low Infection Risk
08/22	76.1	59.8	6.3	5.5	0.00	
08/23	77.5	54.0			0.00	
08/24	77.0	54.7	5.5	4.8	0.00	
08/25	80.2	68.7	4.8	3.8	0.00	
08/26	86.0	66.9	6.8	6.5	0.00	
08/27	76.4	64.8	18.0	18.8	2.03	High Infection Risk
08/28	74.5	61.9	15.3	15.5	1.14	High Infection Risk
08/29	76.7	55.5	1.8	0.5	0.00	
08/30	79.8	53.7	6.3	6.8	0.00	
08/31	57.9	54.8	2.8	2.5	0.00	

Colchester 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	69.9	0.0	0.69	24.0	24.0	17.3	1	Primary Infection
08/16	72.4	>min		9.8	9.3	0.0	1	Possible Infection
08/17	84.0	>min		6.8	7.0	0.0	1	Possible Infection
08/18	81.6	>min		4.0	3.3	0.0	1	Possible Infection
08/19	79.2	>min		4.5	4.3	4.3	3	High Risk of Infection
08/20	85.9	>min		9.0	8.5	8.3	3	High Risk of Infection
08/21	81.5	>min	0.05	11.3	8.8	3.8	3	High Risk of Infection
08/22	76.1	>min	0.09	6.3	5.5	5.3	3	High Risk of Infection
08/23	77.5	>min			0.0	0.0	0	
08/24	77.0	>min		5.5	2.8	0.0	1	Possible Infection
08/25	80.2	>min	0.04	4.8	0.8	0.8	3	High Risk of Infection
08/26	86.0	>min		6.8	5.0	5.0	3	High Risk of Infection
08/27	76.4	>min	0.52	18.0	17.0	13.3	3	High Risk of Infection
08/28	74.5	>min	2.26	15.3	14.8	14.8	3	High Risk of Infection
08/29	76.7	>min	0.35	1.8	0.0	0.0	0	
08/30	79.8	>min	0.05	6.3	5.3	0.0	1	Possible Infection
08/31	57.9	>min		2.8	2.0	0.0	1	Possible Infection

Colchester 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	69.9	66.4	0.0	0.0	24.0	Heavy	
08/16	72.4	64.7	3.8	0.0	9.5	Heavy	
08/17	84.0	71.1	12.3	0.0	6.5		
08/18	81.6	72.5	17.0	0.0	3.5		
08/19	79.2	72.5	16.0	0.0	4.5		60 Heavy
08/20	85.9	73.1	6.0	0.0	8.8		80 Heavy
08/21	81.5	72.7	16.8	0.0	11.3		100 Heavy
08/22	76.1	68.5	7.8	0.0	6.3		100 Heavy
08/23	77.5	65.1	8.3	0.0	0.0		100 Heavy
08/24	77.0	68.3	10.3	0.0	5.5		100 Heavy
08/25	80.2	72.8	17.8	0.0	3.0		100 Heavy
08/26	86.0	74.5	8.8	0.0	6.0		100 Heavy
08/27	76.4	71.1	15.3	0.0	17.5	Heavy	100 Heavy
08/28	74.5	69.5	8.0	0.0	15.3	Heavy	100 Heavy
08/29	76.7	64.8	7.3	0.0	1.3		100 Heavy
08/30	79.8	65.4	8.3	0.0	6.3		100 Heavy
08/31	57.9	56.6	0.0	0.0	2.5		90 Heavy

Colchester 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	66.4	24.0	0.69	23.8	66.4	157 High	184 High
08/16	64.7	11.0	0.00	31.3	64.8	236 High	242 High
08/17	71.1	7.5	0.00	0.0	0.0	0	0
08/18	72.5	6.8	0.00	0.0	0.0	0	0
08/19	72.5	7.5	0.00	0.0	0.0	0	0
08/20	73.1	10.3	0.00	0.0	0.0	0	0
08/21	72.7	11.3	0.05	3.3	71.9	8 Light	22 Light
08/22	68.5	6.5	0.09	9.8	69.3	41 Moderate	72 Moderate
08/23	65.1	0.0	0.00	0.0	0.0	0	0
08/24	68.3	5.5	0.00	0.0	0.0	0	0
08/25	72.8	7.8	0.04	1.3	74.3	2 Light	8 Light
08/26	74.5	8.8	0.00	0.0	0.0	0	0
08/27	71.1	21.3	0.52	10.8	73.9	38 Moderate	73 Moderate
08/28	69.5	16.8	2.26	27.5	72.0	162 High	205 High
08/29	64.8	4.3	0.35	3.0	56.7	7 Light	16 Light
08/30	65.4	6.3	0.05	6.3	54.6	17 Light	31 Moderate
08/31	56.6	3.0	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