

Colchester 2011 Black Rot - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/22	76.1	59.8	6.3	1.05	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	84.5	53.8	5.3	0.38	
09/01	76.3	57.7	7.5	0.73	
09/02	78.5	55.9	7.8	0.63	
09/03	80.4	59.1	3.5	0.54	
09/04	81.9	65.8	6.0	0.99	
09/05	79.8	66.7		0.00	
09/06	71.3	56.9	20.5	2.08	Infection Risk
09/07	63.7	56.2	24.0	4.61	Infection Risk
09/08	66.2	58.0	10.0	5.56	Infection Risk

Colchester 2011 Botrytis - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	84.5	53.8	5.3	5.5	0.00	
09/01	76.3	57.7	7.5	6.3	0.00	
09/02	78.5	55.9	7.8	9.0	0.00	
09/03	80.4	59.1	3.5	2.0	0.00	
09/04	81.9	65.8	6.0	6.3	0.00	
09/05	79.8	66.7			0.00	
09/06	71.3	56.9	20.5	21.3	1.91	High Infection Risk
09/07	63.7	56.2	24.0	24.0	2.73	High Infection Risk
09/08	66.2	58.0	10.0	11.0	0.00	

Colchester 2011 Downy Mildew - Grape From 2011-08-22 To 2011-09-08

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/22	76.1	0.0	0.09	6.3	5.5	5.3	1	Primary 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	84.5	>min	0.02	5.3	5.0	0.0	1	Possible Infection
09/01	76.3	>min		7.5	3.8	0.0	1	Possible Infection
09/02	78.5	>min	0.01	7.8	6.8	0.0	1	Possible Infection
09/03	80.4	>min		3.5	0.5	0.0	1	Possible Infection
09/04	81.9	>min		6.0	5.5	5.3	3	High Risk of Infection
09/05	79.8	>min			0.0	0.0	0	
09/06	71.3	>min	0.72	20.5	18.8	0.0	1	Possible Infection
09/07	63.7	>min	0.64	24.0	24.0	0.0	1	Possible Infection
09/08	66.2	>min	0.28	10.0	11.0	0.3	1	Possible Infection

Colchester 2011 Powdery Mildew - Grape From 2011-08-22 To 2011-09-08

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/22	76.1	68.5	7.8	0.0	6.3		
08/23	77.5	65.1	8.3	0.0	0.0		
08/24	77.0	68.3	10.3	0.0	5.5		60 Heavy
08/25	80.2	72.8	17.8	0.0	3.0		80 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	84.5	69.2	11.5	0.0	5.0		100 Heavy
09/01	76.3	66.6	9.0	0.0	7.0		100 Heavy
09/02	78.5	64.6	7.8	0.0	7.8		100 Heavy
09/03	80.4	69.4	10.0	0.0	3.3		100 Heavy
09/04	81.9	72.4	16.0	0.0	5.8		100 Heavy
09/05	79.8	72.5	16.5	0.0	0.0		100 Heavy
09/06	71.3	60.9	3.0	0.0	20.5	Heavy	90 Heavy
09/07	63.7	59.8	0.0	0.0	24.0	Heavy	80 Heavy
09/08	66.2	59.2	0.0	0.0	10.0	Heavy	70 Heavy

Colchester 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-22 To 2011-09-08

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/22	68.5	6.5	0.09	6.3	67.8	23 Light	46 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	69.2	5.5	0.02	0.0	0.0	0	0
09/01	66.6	8.0	0.00	0.0	0.0	0	0
09/02	64.6	8.3	0.01	0.0	0.0	0	0
09/03	69.4	4.0	0.00	0.0	0.0	0	0
09/04	72.4	6.3	0.00	0.0	0.0	0	0
09/05	72.5	0.0	0.00	0.0	0.0	0	0
09/06	60.9	22.3	0.72	20.8	59.3	123 High	139 High
09/07	59.8	24.0	0.64	44.8	59.6	373 High	312 High
09/08	59.2	10.5	0.28	55.3	59.5	503 High	387 High

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