

Colchester 2011 Black Rot - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/26	86.0	66.9	6.8	0.89	
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	78.5	58.0	13.5	5.56	Infection Risk
09/09	82.3	61.0	7.0	1.28	Infection Risk
09/10	82.2	57.7	7.8	0.58	
09/11	72.8	54.7	5.5	0.67	
09/12	80.8	60.6	9.5	0.79	
09/13	81.6	62.2	9.3	1.51	Infection Risk
09/14	83.9	66.3	10.8	1.55	Infection Risk
09/15	72.0	67.2	8.0	2.03	Infection Risk

Colchester2011 Botrytis - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
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	78.5	58.0	13.5	16.3	0.71	Moderate Infection Risk
09/09	82.3	61.0	7.0	8.3	0.00	
09/10	82.2	57.7	7.8	5.8	0.00	
09/11	72.8	54.7	5.5	3.3	0.00	
09/12	80.8	60.6	9.5	7.0	0.00	
09/13	81.6	62.2	9.3	8.8	0.00	
09/14	83.9	66.3	10.8	10.8	0.25	Low Infection Risk
09/15	72.0	67.2	8.0	8.5	0.00	

Colchester 2011 Downy Mildew - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/26	86.0	0.0		6.8	5.0	5.0	1	Primary 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	78.5	>min	0.72	13.5	15.3	0.3	1	Possible Infection
09/09	82.3	>min	0.24	7.0	8.0	0.0	1	Possible Infection
09/10	82.2	>min	0.06	7.8	5.0	0.0	1	Possible Infection
09/11	72.8	>min	0.03	5.5	2.0	0.0	1	Possible Infection
09/12	80.8	>min	0.02	9.5	6.0	0.0	1	Possible Infection
09/13	81.6	>min	0.02	9.3	8.5	1.3	3	High Risk of Infection
09/14	83.9	>min	0.03	10.8	9.5	9.5	3	High Risk of Infection
09/15	72.0	>min		8.0	8.3	8.3	3	High Risk of Infection

Colchester 2011 Powdery Mildew - Grape From 2011-08-26 To 2011-09-15

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/26	86.0	74.5	8.8	0.0	6.0		
08/27	76.4	71.1	15.3	0.0	17.5	Heavy	
08/28	74.5	69.5	8.0	0.0	15.3	Heavy	60 Heavy
08/29	76.7	64.8	7.3	0.0	1.3		80 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	78.5	64.1	5.5	0.0	13.5	Heavy	70 Heavy
09/09	82.3	68.9	9.0	0.0	7.0		90 Heavy
09/10	82.2	68.2	9.0	0.0	7.0		100 Heavy
09/11	72.8	62.8	4.8	0.0	4.8		90 Heavy
09/12	80.8	69.3	10.0	0.0	9.5		100 Heavy
09/13	81.6	71.0	11.5	0.0	8.5		100 Heavy
09/14	83.9	73.1	12.8	0.0	10.5		100 Heavy
09/15	72.0	68.8	1.0	0.0	8.0		90 Heavy

Colchester 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-26 To 2011-09-15

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
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	64.1	14.5	0.72	58.8	59.6	552 High	415 High
09/09	68.9	7.5	0.24	11.0	61.8	53 Moderate	78 Moderate
09/10	68.2	10.3	0.06	5.3	59.3	17 Light	33 Moderate
09/11	62.8	6.3	0.03	1.8	57.6	3 Light	10 Light
09/12	69.3	10.3	0.02	0.0	0.0	0	0
09/13	71.0	11.5	0.02	1.5	65.0	3 Light	10 Light
09/14	73.1	11.5	0.03	0.0	0.0	0	0
09/15	68.8	8.5	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