

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

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
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	79.9	48.6	9.3	2.03	Infection Risk
09/16	63.4	43.1		0.00	
09/17	64.9	41.2	2.3	0.09	
09/18	66.7	44.6		0.09	
09/19	69.4	42.2	2.5	0.14	
09/20	64.9	47.4	19.0	2.05	Infection Risk
09/21	59.6	54.6	4.0	2.38	Infection Risk

Colchester 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	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	79.9	48.6	9.3	8.5	0.00	
09/16	63.4	43.1			0.00	
09/17	64.9	41.2	5.5	1.0	0.00	
09/18	66.7	44.6	8.8	7.3	0.00	
09/19	69.4	42.2	9.3	4.8	0.00	
09/20	64.9	47.4	19.5	12.5	1.82	High Infection Risk
09/21	59.6	54.6	4.0	4.0	0.00	

Colchester 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	76.3	0.0		7.5	3.8	0.0	1	Primary 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	79.9	>min	0.01	9.3	8.3	8.3	3	High Risk of Infection
09/16	63.4	>min			0.0	0.0	0	
09/17	64.9	>min		3.5	0.5	0.0	1	Possible Infection
09/18	66.7	>min	0.01	8.8	6.8	0.0	1	Possible Infection
09/19	69.4	>min		7.0	0.8	0.0	1	Possible Infection
09/20	64.9	>min	0.05	19.5	8.3	0.0	1	Possible Infection
09/21	59.6	>min		4.0	4.0	0.0	1	Possible Infection

Colchester 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	76.3	66.6	9.0	0.0	7.0		
09/02	78.5	64.6	7.8	0.0	7.8		
09/03	80.4	69.4	10.0	0.0	3.3		60 Heavy
09/04	81.9	72.4	16.0	0.0	5.8		80 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	79.9	65.4	5.8	0.0	9.0		90 Heavy
09/16	63.4	52.3	0.0	0.0	0.0		80 Heavy
09/17	64.9	51.9	0.0	0.0	4.8		70 Heavy
09/18	66.7	54.1	0.0	0.0	8.8		60 Heavy
09/19	69.4	54.5	0.0	0.0	9.3		50 Medium
09/20	64.9	59.1	0.0	0.0	17.8	Heavy	40 Medium
09/21	59.6	57.1	0.0	0.0	4.0	Heavy	30 Light

Colchester 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	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	65.4	10.0	0.01	0.0	0.0	0	0
09/16	52.3	1.8	0.00	0.0	0.0	0	0
09/17	51.9	6.8	0.00	0.0	0.0	0	0
09/18	54.1	8.8	0.01	0.0	0.0	0	0
09/19	54.5	10.5	0.00	0.0	0.0	0	0
09/20	59.1	23.3	0.05	12.0	62.2	60 Moderate	86 Moderate
09/21	57.1	4.0	0.00	16.5	60.7	92 High	115 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