

Colchester 2011 Black Rot - Grape From 2011-05-01 To 2011-05-19

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/01	67.8	39.7		0.00	
05/02	61.6	35.1		0.00	
05/03	72.2	46.4	3.3	0.21	
05/04	63.5	44.3	12.5	1.05	Infection Risk
05/05	58.0	41.7		1.05	Infection Risk
05/06	66.0	44.7		0.00	
05/07	68.6	46.1	1.8	0.06	
05/08	68.5	45.6	7.0	0.46	
05/09	67.5	47.4	5.3	0.70	
05/10	64.7	48.2		0.00	
05/11	62.0	48.6	2.0	0.08	
05/12	67.2	47.9	1.0	0.04	
05/13	72.1	42.2	0.3	0.05	
05/14	62.1	51.7		0.00	
05/15	65.3	50.3	18.8	1.79	Infection Risk
05/16	61.2	47.4	20.5	2.83	Infection Risk
05/17	53.8	47.5	18.5	3.72	Infection Risk
05/18	62.0	50.6	24.0	5.64	Infection Risk
05/19	59.3	56.0	7.0	6.23	Infection Risk

Colchester2011 Downy Mildew - Grape From 2011-05-01 To 2011-05-19

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours >95%RH	43-86	66-77	Risk	Warning
05/01	67.8				0.0	0.0	0		
05/02	61.6				0.0	0.0	0		
05/03	72.2	0.0		3.3	0.0	0.0	0		Primary Infection
05/04	63.5	>min	0.22	17.3	12.5	0.0	1		Possible Infection
05/05	58.0	>min			0.0	0.0	0		
05/06	66.0	>min			0.0	0.0	0		
05/07	68.6	>min		3.5	1.3	0.0	1		Possible Infection
05/08	68.5	>min	0.01	8.0	1.8	0.0	1		Possible Infection
05/09	67.5	>min		6.5	3.8	0.0	1		Possible Infection
05/10	64.7	>min			0.0	0.0	0		
05/11	62.0	>min		2.0	0.0	0.0	0		
05/12	67.2	>min		1.0	0.0	0.0	0		
05/13	72.1	>min		5.5	4.5	0.0	1		Possible Infection
05/14	62.1	>min			0.0	0.0	0		
05/15	65.3	>min	0.54	18.8	20.0	0.0	1		Possible Infection
05/16	61.2	>min	0.39	23.8	24.0	0.0	1		Possible Infection
05/17	53.8	>min	1.33	23.5	24.0	0.0	1		Possible Infection
05/18	62.0	>min	0.61	24.0	24.0	0.0	1		Possible Infection
05/19	59.3	>min	1.04	7.0	7.0	0.0	1		Possible Infection

Colchester2011 Powdery Mildew - Grape From 2011-05-01 To 2011-05-19

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/01	67.8	51.6	0.0	0.0	1.8		
05/02	61.6	50.3	0.0	0.0	6.8		
05/03	72.2	58.6	2.8	0.0	3.0		
05/04	63.5	52.4	0.0	0.0	17.3	Heavy	
05/05	58.0	49.5	0.0	0.0	2.5	Heavy	
05/06	66.0	55.7	0.0	0.0	0.0		
05/07	68.6	56.4	0.0	0.0	3.5		
05/08	68.5	55.5	0.0	0.0	6.3		
05/09	67.5	57.8	0.0	0.0	6.3		
05/10	64.7	56.4	0.0	0.0	0.0		
05/11	62.0	54.5	0.0	0.0	2.0		
05/12	67.2	56.7	0.0	0.0	1.0		
05/13	72.1	57.0	1.5	0.0	6.0		
05/14	62.1	55.1	0.0	0.0	0.0		
05/15	65.3	58.6	0.0	0.0	18.5	Heavy	
05/16	61.2	50.7	0.0	0.0	23.8	Heavy	
05/17	53.8	50.2	0.0	0.0	23.5	Heavy	
05/18	62.0	56.2	0.0	0.0	23.8	Heavy	
05/19	59.3	57.3	0.0	0.0	7.0	Heavy	

Colchester 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-05-01 To 2011-05-19

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
05/01	51.6	1.5	0.00	0.0	0.0	0	0
05/02	50.3	0.5	0.00	0.0	0.0	0	0
05/03	58.6	5.0	0.00	0.0	0.0	0	0
05/04	52.4	18.5	0.22	5.3	52.1	11 Light	21 Light
05/05	49.5	3.5	0.00	0.0	0.0	0	0
05/06	55.7	0.0	0.00	0.0	0.0	0	0
05/07	56.4	3.8	0.00	0.0	0.0	0	0
05/08	55.5	8.8	0.01	2.8	51.3	4 Light	10 Light
05/09	57.8	6.5	0.00	9.3	50.2	20 Light	31 Moderate
05/10	56.4	0.0	0.00	0.0	0.0	0	0
05/11	54.5	2.8	0.00	0.0	0.0	0	0
05/12	56.7	1.3	0.00	0.0	0.0	0	0
05/13	57.0	6.3	0.00	0.0	0.0	0	0
05/14	55.1	0.0	0.00	0.0	0.0	0	0
05/15	58.6	19.5	0.54	36.5	56.4	246 High	218 High
05/16	50.7	24.0	0.39	42.8	54.0	263 High	219 High
05/17	50.2	24.0	1.33	66.8	52.7	440 High	310 High
05/18	56.2	24.0	0.61	90.8	53.6	745 High	464 High
05/19	57.3	7.0	1.04	98.3	53.9	855 High	516 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