

Colchester 2011 Black Rot - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/22	73.3	61.7	17.8	2.78	Infection Risk
06/23	68.7	60.4	22.5	6.05	Infection Risk
06/24	66.7	58.4	18.5	8.20	Infection Risk
06/25	76.7	56.2	11.8	8.84	Infection Risk
06/26	78.9	63.4	10.0	1.44	Infection Risk
06/27	82.5	60.9	7.3	1.40	Infection Risk
06/28	80.5	62.7	10.0	1.07	Infection Risk
06/29	80.1	64.2	8.0	2.06	Infection Risk
06/30	78.9	60.3	1.0	0.13	
07/01	77.6	53.2	0.3	0.03	
07/02	83.2	59.4	5.3	0.62	
07/03	76.0	62.2	9.3	1.44	Infection Risk
07/04	84.8	66.1	7.8	2.55	Infection Risk
07/05	75.7	64.0		0.00	

Colchester 2011 Downy Mildew - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/22	73.3	0.0	0.14	17.8	16.8	9.0	1	Primary Infection
06/23	68.7	>min	0.61	22.5	19.8	8.8	3	High Risk of Infection
06/24	66.7	>min	0.02	18.5	20.5	0.3	1	Possible Infection
06/25	76.7	>min	0.03	11.8	13.8	0.0	1	Possible Infection
06/26	78.9	>min	0.01	10.0	9.3	2.8	3	High Risk of Infection
06/27	82.5	>min		7.3	3.3	0.0	1	Possible Infection
06/28	80.5	>min		10.0	8.5	3.3	3	High Risk of Infection
06/29	80.1	>min	0.06	8.0	8.0	8.0	3	High Risk of Infection
06/30	78.9	>min		1.0	0.0	0.0	0	
07/01	77.6	>min		0.3	0.0	0.0	0	
07/02	83.2	>min		5.3	0.0	0.0	0	
07/03	76.0	>min	0.13	9.3	8.0	5.3	3	High Risk of Infection
07/04	84.8	>min		7.8	7.8	7.8	3	High Risk of Infection
07/05	75.7	>min			0.0	0.0	0	

Colchester 2011 Powdery Mildew - Grape From 2011-06-22 To 2011-07-05

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/22	73.3	67.4	4.5	0.0	17.3	Heavy	
06/23	68.7	64.8	0.0	0.0	21.8	Heavy	
06/24	66.7	62.0	0.0	0.0	18.0	Heavy	
06/25	76.7	64.1	4.5	0.0	11.8	Heavy	
06/26	78.9	70.0	11.5	0.0	10.0		
06/27	82.5	71.3	12.3	0.0	7.3		
06/28	80.5	71.3	12.3	0.0	10.0		60 Heavy
06/29	80.1	71.9	12.0	0.0	7.8		80 Heavy
06/30	78.9	69.0	10.8	0.0	0.8		100 Heavy
07/01	77.6	67.5	10.8	0.0	0.0		100 Heavy
07/02	83.2	70.8	12.0	0.0	5.0		100 Heavy
07/03	76.0	69.8	12.8	0.0	9.0		100 Heavy
07/04	84.8	74.4	14.8	0.0	7.8	Heavy	100 Heavy
07/05	75.7	67.8	1.3	0.0	0.0		90 Heavy

Colchester 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-22 To 2011-07-05

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/22	67.4	17.8	0.14	10.5	68.8	46 Moderate	78 Moderate
06/23	64.8	22.8	0.61	28.0	65.6	201 High	217 High
06/24	62.0	21.3	0.02	23.8	61.1	156 High	170 High
06/25	64.1	12.0	0.03	8.5	57.3	32 Moderate	50 Moderate
06/26	70.0	10.0	0.01	3.8	66.9	11 Light	27 Light
06/27	71.3	7.3	0.00	9.5	64.3	43 Moderate	70 Moderate
06/28	71.3	10.0	0.00	0.0	0.0	0	0
06/29	71.9	8.3	0.06	6.3	68.2	22 Light	46 Moderate
06/30	69.0	1.3	0.00	0.0	0.0	0	0
07/01	67.5	0.3	0.00	0.0	0.0	0	0
07/02	70.8	5.5	0.00	0.0	0.0	0	0
07/03	69.8	10.8	0.13	1.5	70.4	3 Light	10 Light
07/04	74.4	8.0	0.00	0.0	0.0	0	0
07/05	67.8	0.8	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