

Belchertown 2011 Black Rot - Grape From 2011-07-05 To 2011-07-18

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/05	88.5	63.1	7.5	1.13	Infection Risk
07/06	90.5	62.6	4.8	0.63	
07/07	84.2	64.1	8.5	1.98	Infection Risk
07/08	75.7	62.0	14.5	2.31	Infection Risk
07/09	81.9	62.2	9.0	3.64	Infection Risk
07/10	84.0	55.7	7.8	0.85	
07/11	90.7	65.1	5.3	0.84	
07/12	89.2	71.5		0.00	
07/13	87.2	61.8	3.8	0.54	
07/14	79.9	58.4	6.5	0.74	
07/15	83.6	54.7	6.5	0.56	
07/16	87.5	58.4	5.8	0.63	
07/17	91.4	63.3	4.3	0.63	
07/18	83.5	69.9	2.3	0.35	

Belchertown 2011 Downy Mildew - Grape From 2011-07-05 To 2011-07-18

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/05	88.5	0.0		7.5	4.3	0.3	1	Primary Infection
07/06	90.5	>min	0.19	4.8	2.0	0.0	1	Possible Infection
07/07	84.2	>min	0.01	8.5	6.3	1.8	3	High Risk of Infection
07/08	75.7	>min	0.95	14.5	6.8	4.8	3	High Risk of Infection
07/09	81.9	>min	0.06	9.0	8.8	3.8	3	High Risk of Infection
07/10	84.0	>min		7.8	1.5	0.0	1	Possible Infection
07/11	90.7	>min		5.3	0.0	0.0	0	
07/12	89.2	>min			0.0	0.0	0	
07/13	87.2	>min		3.8	0.0	0.0	0	
07/14	79.9	>min		6.5	0.0	0.0	0	
07/15	83.6	>min		6.5	1.5	0.0	1	Possible Infection
07/16	87.5	>min		5.8	0.8	0.0	1	Possible Infection
07/17	91.4	>min		4.3	0.0	0.0	0	
07/18	83.5	>min	0.06	2.3	0.0	0.0	0	

Belchertown 2011 Powdery Mildew - Grape From 2011-07-05 To 2011-07-18

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
07/05	88.5	75.6	6.0	0.0	7.5		
07/06	90.5	75.7	4.5	0.0	4.5		
07/07	84.2	73.5	14.8	0.0	8.3		
07/08	75.7	68.8	7.8	0.0	14.3	Heavy	
07/09	81.9	72.0	12.0	0.0	8.8	Heavy	60 Heavy
07/10	84.0	71.3	14.0	0.0	7.8		80 Heavy
07/11	90.7	78.0	5.5	0.0	5.0		70 Heavy
07/12	89.2	80.2	16.8	0.0	0.0		90 Heavy
07/13	87.2	71.9	13.8	0.0	3.0		100 Heavy
07/14	79.9	68.0	9.3	0.0	6.3		100 Heavy
07/15	83.6	70.0	12.5	0.0	6.5		100 Heavy
07/16	87.5	73.9	5.8	0.0	5.8		90 Heavy
07/17	91.4	77.7	5.0	0.0	4.3		80 Heavy
07/18	83.5	76.0	24.0	0.0	2.3		100 Heavy

Belchertown 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-05 To 2011-07-18

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
07/05	75.6	7.5	0.00	0.0	0.0	0	0
07/06	75.7	4.8	0.19	3.8	65.8	11 Light	27 Light
07/07	73.5	8.8	0.01	12.5	66.6	62 Moderate	95 High
07/08	68.8	14.5	0.95	9.8	66.3	44 Moderate	73 Moderate
07/09	72.0	9.3	0.06	9.0	65.9	39 Moderate	67 Moderate
07/10	71.3	7.8	0.00	0.0	0.0	0	0
07/11	78.0	5.8	0.00	0.0	0.0	0	0
07/12	80.2	0.0	0.00	0.0	0.0	0	0
07/13	71.9	4.0	0.00	0.0	0.0	0	0
07/14	68.0	6.8	0.00	0.0	0.0	0	0
07/15	70.0	6.8	0.00	0.0	0.0	0	0
07/16	73.9	5.8	0.00	0.0	0.0	0	0
07/17	77.7	4.5	0.00	0.0	0.0	0	0
07/18	76.0	2.8	0.06	1.8	75.1	3 Light	11 Light

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