

Belchertown 2011 Black Rot - Grape From 2011-07-01 To 2011-07-15

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/01	79.7	53.6	1.3	0.17	
07/02	84.7	57.8	7.5	1.03	Infection Risk
07/03	75.1	64.7	7.0	1.21	Infection Risk
07/04	87.0	66.1	8.0	2.39	Infection Risk
07/05	88.5	63.1	7.5	1.30	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	66.0	54.7	6.5	0.56	

Belchertown 2011 Downy Mildew - Grape From 2011-07-01 To 2011-07-15

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/01	79.7	0.0		1.3	0.0	0.0	0	Primary Infection
07/02	84.7	>min		7.5	4.3	0.0	1	Possible Infection
07/03	75.1	>min	0.06	7.0	3.8	3.8	3	High Risk of Infection
07/04	87.0	>min		8.0	7.8	7.8	3	High Risk of Infection
07/05	88.5	>min		7.5	4.3	0.3	1	Possible 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	66.0	>min		6.5	1.5	0.0	1	Possible Infection

Belchertown 2011 Powdery Mildew - Grape From 2011-07-01 To 2011-07-15

Date	Temperature		Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index	
	High	Mean						
07/01	79.7	67.1	10.0	0.0	1.3			
07/02	84.7	71.3	13.5	0.0	7.5			
07/03	75.1	69.7	12.3	0.0	7.0		60	Heavy
07/04	87.0	75.3	12.0	0.0	8.0	Heavy	80	Heavy
07/05	88.5	75.6	6.0	0.0	7.5		100	Heavy
07/06	90.5	75.7	4.5	0.0	4.5		90	Heavy
07/07	84.2	73.5	14.8	0.0	8.3		100	Heavy
07/08	75.7	68.8	7.8	0.0	14.3	Heavy	100	Heavy
07/09	81.9	72.0	12.0	0.0	8.8	Heavy	100	Heavy
07/10	84.0	71.3	14.0	0.0	7.8		100	Heavy
07/11	90.7	78.0	5.5	0.0	5.0		90	Heavy
07/12	89.2	80.2	16.8	0.0	0.0		100	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	66.0	58.7	0.0	0.0	6.5		90	Heavy

Belchertown 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-01 To 2011-07-15

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/01	67.1	1.3	0.00	0.0	0.0	0	0
07/02	71.3	7.8	0.00	0.0	0.0	0	0
07/03	69.7	7.3	0.06	2.0	71.0	4 Light	14 Light
07/04	75.3	8.3	0.00	0.0	0.0	0	0
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	58.7	6.8	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