

Belchertown MA Black Rot - Grape From 2010-09-22 To 2010-10-06

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/22	86.1	58.1		0.00	
09/23	79.2	59.1	5.0	0.61	
09/24	84.7	58.5	4.8	0.52	
09/25	83.3	60.3	3.3	1.09	Infection Risk
09/26	74.0	52.2	2.8	0.16	
09/27	61.8	54.8	17.3	1.51	Infection Risk
09/28	74.8	61.8	19.0	4.69	Infection Risk
09/29	80.3	65.4	8.5	6.11	Infection Risk
09/30	74.6	62.5	15.0	2.45	Infection Risk
10/01	74.7	52.9	18.5	4.76	Infection Risk
10/02	64.9	44.2	0.3	4.77	Infection Risk
10/03	59.4	43.6		0.00	
10/04	58.8	46.6	1.0	0.03	
10/05	57.0	50.8	10.3	0.33	
10/06	54.8	52.7	8.3	0.74	

Belchertown MA Botrytis - Grape From 2010-09-22 To 2010-10-06

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/22	86.1	58.1			0.00	
09/23	79.2	59.1	5.0		0.00	
09/24	84.7	58.5	4.8	3.3	0.00	
09/25	83.3	60.3	3.3	0.3	0.00	
09/26	74.0	52.2	2.8		0.00	
09/27	61.8	54.8	17.3	20.5	1.78	High Infection Risk
09/28	74.8	61.8	19.0	17.0	2.08	High Infection Risk
09/29	80.3	65.4	8.5	8.3	0.00	
09/30	74.6	62.5	15.0	8.5	1.07	High Infection Risk
10/01	74.7	52.9	18.5	10.8	1.56	High Infection Risk
10/02	64.9	44.2	3.0	1.8	0.00	
10/03	59.4	43.6			0.00	
10/04	58.8	46.6	3.0		0.00	
10/05	57.0	50.8	10.3	6.0	0.00	
10/06	54.8	52.7	8.3	8.3	0.00	

Belchertown MA Downy Mildew - Grape From 2010-09-22 To 2010-10-06

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/22	86.1				0.0	0.0	0	
09/23	79.2	0.0		5.0	0.0	0.0	0	Primary Infection
09/24	84.7	>min		4.8	1.8	0.0	1	Possible Infection
09/25	83.3	>min		3.3	0.0	0.0	0	
09/26	74.0	>min		2.8	0.0	0.0	0	
09/27	61.8	>min	0.25	17.3	17.0	0.0	1	Possible Infection
09/28	74.8	>min	0.27	19.0	12.8	9.5	3	High Risk of Infection
09/29	80.3	>min		8.5	8.0	8.0	3	High Risk of Infection
09/30	74.6	>min	1.14	15.0	8.0	7.0	3	High Risk of Infection
10/01	74.7	>min	1.81	18.5	9.5	0.0	1	Possible Infection
10/02	64.9	>min		3.0	1.5	0.0	1	Possible Infection
10/03	59.4	>min			0.0	0.0	0	
10/04	58.8	>min	0.06	3.0	0.0	0.0	0	
10/05	57.0	>min	0.18	10.3	5.3	0.0	1	Possible Infection
10/06	54.8	>min	0.13	8.3	8.3	0.0	1	Possible Infection

Belchertown MA Powdery Mildew - Grape From 2010-09-22 To 2010-10-06

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/22	86.1	70.5	11.5	0.0	0.0		
09/23	79.2	67.5	8.3	0.0	5.0		
09/24	84.7	69.7	11.0	0.0	4.5		60 Heavy
09/25	83.3	73.2	19.0	0.0	3.3		80 Heavy
09/26	74.0	60.7	4.5	0.0	2.5		70 Heavy
09/27	61.8	57.7	0.0	0.0	17.3	Heavy	60 Heavy
09/28	74.8	69.9	15.3	0.0	19.0	Heavy	80 Heavy
09/29	80.3	70.7	9.5	0.0	8.5	Heavy	100 Heavy
09/30	74.6	69.9	14.3	0.0	12.5	Heavy	100 Heavy
10/01	74.7	63.7	8.0	0.0	17.5	Heavy	100 Heavy
10/02	64.9	53.9	0.0	0.0	3.0	Heavy	90 Heavy
10/03	59.4	50.2	0.0	0.0	0.0		80 Heavy
10/04	58.8	52.7	0.0	0.0	2.8		70 Heavy
10/05	57.0	53.6	0.0	0.0	10.3		60 Heavy
10/06	54.8	53.8	0.0	0.0	8.3		50 Medium

Belchertown MA Phomopsis Cane+Leaf Spot - Grape From 2010-09-22 To 2010-10-06

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
09/22	70.5	0.0	0.00	0.0	0.0	0	0
09/23	67.5	5.3	0.00	0.0	0.0	0	0
09/24	69.7	5.5	0.00	0.0	0.0	0	0
09/25	73.2	5.0	0.00	0.0	0.0	0	0
09/26	60.7	3.0	0.00	0.0	0.0	0	0
09/27	57.7	18.3	0.25	9.3	58.8	38 Moderate	59 Moderate
09/28	69.9	19.5	0.27	58.3	65.1	574 High	464 High
09/29	70.7	8.5	0.00	34.0	66.7	261 High	268 High
09/30	69.9	18.8	1.14	18.8	71.3	97 High	139 High
10/01	63.7	20.5	1.81	74.5	68.6	767 High	603 High
10/02	53.9	4.3	0.00	0.0	0.0	0	0
10/03	50.2	0.0	0.00	0.0	0.0	0	0
10/04	52.7	3.0	0.06	2.0	46.8	1 Light	3 Light
10/05	53.6	12.3	0.18	5.8	51.3	11 Light	21 Light
10/06	53.8	8.3	0.13	3.5	53.2	7 Light	15 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