

Belchertown MA Black Rot - Grape From 2010-06-01 To 2010-06-17

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	80.3	59.3	15.5	2.38	Infection Risk
06/02	84.9	58.0	8.3	3.40	Infection Risk
06/03	80.9	62.5	7.5	0.76	
06/04	86.8	61.1	7.0	1.26	Infection Risk
06/05	86.8	62.4	11.8	1.90	Infection Risk
06/06	77.4	55.5	10.8	3.65	Infection Risk
06/07	72.4	47.6	4.0	3.83	Infection Risk
06/08	68.6	45.8	1.3	0.09	
06/09	66.2	43.7	13.8	0.79	
06/10	66.6	51.4	18.3	2.16	Infection Risk
06/11	73.5	53.0	11.0	2.66	Infection Risk
06/12	64.2	56.7	19.3	2.53	Infection Risk
06/13	65.4	59.2	9.3	3.39	Infection Risk
06/14	77.6	59.4	0.3	0.17	
06/15	79.9	52.5	3.8	0.26	
06/16	73.7	49.8	5.5	0.40	
06/17	65.9	61.6	8.0	1.57	Infection Risk

Belchertown MA Downy Mildew - Grape From 2010-06-01 To 2010-06-17

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/01	80.3	0.0	0.28	15.5	13.5	7.5	1	Primary Infection
06/02	84.9	>min		8.3	4.8	0.0	1	Possible Infection
06/03	80.9	>min	0.01	7.5	4.3	0.0	1	Possible Infection
06/04	86.8	>min		7.0	4.5	0.0	1	Possible Infection
06/05	86.8	>min	0.28	11.8	6.8	3.8	3	High Risk of Infection
06/06	77.4	>min	0.34	10.8	2.8	1.8	3	High Risk of Infection
06/07	72.4	>min		4.3	0.8	0.0	1	Possible Infection
06/08	68.6	>min	0.13	2.8	0.0	0.0	0	
06/09	66.2	>min	0.27	17.8	7.0	0.0	1	Possible Infection
06/10	66.6	>min	0.60	18.3	16.5	0.0	1	Possible Infection
06/11	73.5	>min		11.0	9.5	0.0	1	Possible Infection
06/12	64.2	>min	0.62	19.3	19.3	0.0	1	Possible Infection
06/13	65.4	>min	0.06	9.3	12.3	0.0	1	Possible Infection
06/14	77.6	>min		0.3	2.8	0.0	1	Possible Infection
06/15	79.9	>min		3.8	0.0	0.0	0	
06/16	73.7	>min	0.05	5.5	0.0	0.0	0	
06/17	65.9	>min	0.09	8.0	7.0	0.0	1	Possible Infection

Belchertown MA Powdery Mildew - Grape From 2010-06-01 To 2010-06-17

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/01	80.3	66.8	3.5	0.0	15.3	Heavy	
06/02	84.9	71.4	11.8	0.0	8.0	Heavy	
06/03	80.9	70.5	12.3	0.0	7.5		
06/04	86.8	73.1	14.5	0.0	6.8		60 Heavy
06/05	86.8	73.2	13.5	0.0	11.8		80 Heavy
06/06	77.4	67.5	6.8	0.0	9.5	Heavy	100 Heavy
06/07	72.4	60.4	1.8	0.0	4.0		90 Heavy
06/08	68.6	58.2	0.0	0.0	2.8		80 Heavy
06/09	66.2	53.7	0.0	0.0	17.5		70 Heavy
06/10	66.6	56.9	0.0	0.0	18.3	Heavy	60 Heavy
06/11	73.5	61.1	2.0	0.0	11.0	Heavy	50 Medium
06/12	64.2	61.0	0.0	0.0	19.3	Heavy	40 Medium
06/13	65.4	62.1	0.0	0.0	8.5	Heavy	30 Light
06/14	77.6	66.7	8.3	0.0	0.0		50 Medium
06/15	79.9	66.5	9.5	0.0	3.5		70 Heavy
06/16	73.7	62.4	2.8	0.0	5.3		60 Heavy
06/17	65.9	64.4	0.0	0.0	8.0		50 Medium

Belchertown MA Phomopsis Cane+Leaf Spot - Grape From 2010-06-01 To 2010-06-17

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/01	66.8	16.5	0.28	11.3	69.7	50 Moderate	84 Moderate
06/02	71.4	8.5	0.00	19.5	66.4	118 High	150 High
06/03	70.5	8.3	0.01	0.8	75.2	1 Light	4 Light
06/04	73.1	7.5	0.00	0.0	0.0	0	0
06/05	73.2	11.8	0.28	7.3	66.0	29 Light	53 Moderate
06/06	67.5	13.8	0.34	5.3	68.1	18 Light	38 Moderate
06/07	60.4	4.5	0.00	0.0	0.0	0	0
06/08	58.2	3.5	0.13	0.8	58.5	1 Light	4 Light
06/09	53.7	17.8	0.27	9.8	53.3	30 Light	44 Moderate
06/10	56.9	18.3	0.60	29.5	55.2	169 High	162 High
06/11	61.1	11.0	0.00	15.5	56.5	73 Moderate	90 High
06/12	61.0	19.5	0.62	12.8	62.5	65 Moderate	92 High
06/13	62.1	10.8	0.06	20.8	61.5	130 High	149 High
06/14	66.7	4.3	0.00	0.0	0.0	0	0
06/15	66.5	4.0	0.00	0.0	0.0	0	0
06/16	62.4	5.5	0.05	2.5	64.0	6 Light	17 Light
06/17	64.4	8.0	0.09	7.3	64.4	29 Light	53 Moderate

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