

Belchertown MA Black Rot - Grape From 2010-05-25 To 2010-06-10

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/25	90.4	59.5	9.3	1.00	
05/26	94.6	60.7	7.8	1.10	Infection Risk
05/27	79.3	55.9	7.3	0.84	
05/28	79.2	49.9	3.8	0.20	
05/29	78.0	54.6	5.8	0.71	
05/30	80.0	57.6	8.3	1.59	Infection Risk
05/31	83.6	57.8		0.00	
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	61.3	51.4	10.0	1.39	Infection Risk

Belchertown MA Downy Mildew - Grape From 2010-05-25 To 2010-06-10

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/25	90.4	0.0		9.3	7.5	0.5	1	Primary Infection
05/26	94.6	>min	0.38	7.8	0.0	0.0	0	
05/27	79.3	>min	0.11	7.3	1.8	0.3	1	Possible Infection
05/28	79.2	>min		3.8	0.0	0.0	0	
05/29	78.0	>min	0.01	5.8	2.0	0.0	1	Possible Infection
05/30	80.0	>min	0.01	8.3	7.8	0.0	1	Possible Infection
05/31	83.6	>min			0.0	0.0	0	
06/01	80.3	>min	0.28	15.5	13.5	7.5	3	High Risk of 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	61.3	>min	0.05	10.0	10.3	0.0	1	Possible Infection

Belchertown MA Powdery Mildew - Grape From 2010-05-25 To 2010-06-10

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
05/25	90.4	73.4	3.5	0.0	9.0		
05/26	94.6	77.9	4.3	0.0	7.8		
05/27	79.3	65.9	11.5	0.0	7.3		
05/28	79.2	64.5	8.5	0.0	3.8		
05/29	78.0	65.1	7.8	0.0	5.5		60 Heavy
05/30	80.0	68.8	11.0	0.0	8.3	Heavy	80 Heavy
05/31	83.6	68.8	9.0	0.0	0.0		100 Heavy
06/01	80.3	66.8	3.5	0.0	15.3	Heavy	90 Heavy
06/02	84.9	71.4	11.8	0.0	8.0	Heavy	100 Heavy
06/03	80.9	70.5	12.3	0.0	7.5		100 Heavy
06/04	86.8	73.1	14.5	0.0	6.8		100 Heavy
06/05	86.8	73.2	13.5	0.0	11.8		100 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	61.3	54.9	0.0	0.0	10.0	Heavy	60 Heavy

Belchertown MA Phomopsis Cane+Leaf Spot - Grape From 2010-05-25 To 2010-06-10

Date	Temp	Wet	Rain-	Wet+	Wet	Disease	Intensity
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
05/25	73.4	10.0	0.00	0.0	0.0	0	0
05/26	77.9	7.8	0.38	0.3	63.4	0 Light	2 Light
05/27	65.9	7.3	0.11	7.5	60.5	30 Light	50 Moderate
05/28	64.5	4.0	0.00	0.0	0.0	0	0
05/29	65.1	6.0	0.01	4.0	63.3	13 Light	28 Light
05/30	68.8	8.5	0.01	12.5	61.1	62 Moderate	87 Moderate
05/31	68.8	0.3	0.00	0.0	0.0	0	0
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	54.9	10.0	0.05	19.8	53.4	83 Moderate	93 High

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