

Belchertown\_Risk\_7\_1\_2009.txt

Belchertown, MA Black Rot - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/21	65.0	60.8	23.5	3.15	Infection Risk
06/22	62.5	59.5	23.0	5.78	Infection Risk
06/23	65.1	59.3	20.5	8.22	Infection Risk
06/24	66.9	61.8	21.5	11.18	Infection Risk
06/25	71.4	62.6	20.3	14.23	Infection Risk
06/26	70.9	62.7	23.0	17.76	Infection Risk
06/27	68.2	59.9	18.5	20.25	Infection Risk
06/28	66.7	60.5	20.0	22.86	Infection Risk
06/29	70.2	61.0	20.0	25.74	Infection Risk
06/30	71.5	57.3	17.5	28.22	Infection Risk
07/01	63.6	61.3	7.3	29.15	Infection Risk

Belchertown, MA Botrytis - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
06/21	65.0	60.8	23.5		2.93	High Infection Risk
06/22	62.5	59.5	23.0		2.52	High Infection Risk
06/23	65.1	59.3	20.5		2.01	High Infection Risk
06/24	66.9	61.8	21.5		2.50	High Infection Risk
06/25	71.4	62.6	20.3		2.31	High Infection Risk
06/26	70.9	62.7	23.0		3.02	High Infection Risk
06/27	68.2	59.9	18.5		1.73	High Infection Risk
06/28	66.7	60.5	20.0		2.05	High Infection Risk
06/29	70.2	61.0	20.0		2.20	High Infection Risk
06/30	71.5	57.3	17.5		1.54	High Infection Risk
07/01	63.6	61.3	7.3		0.00	

Belchertown, MA Downy Mildew - Grape From 2009-06-21 To 2009-07-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/21	65.0	0.0	0.14	23.5	0.0	0.0	0	Primary Infection
06/22	62.5	>min	0.14	23.0	0.0	0.0	0	
06/23	65.1	>min		20.5	0.0	0.0	0	
06/24	66.9	>min	0.08	21.5	0.0	0.0	0	
06/25	71.4	>min		20.3	0.0	0.0	0	
06/26	70.9	>min	0.07	23.0	0.0	0.0	0	
06/27	68.2	>min		18.5	0.0	0.0	0	
06/28	66.7	>min		20.0	0.0	0.0	0	
06/29	70.2	>min		20.0	0.0	0.0	0	
06/30	71.5	>min	0.57	17.5	0.0	0.0	0	
07/01	63.6	>min		7.3	0.0	0.0	0	

Belchertown, MA Powdery Mildew - Grape From 2009-06-21 To 2009-07-01

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/21	65.0	63.1	0.0	0.0	21.3	Heavy	
06/22	62.5	60.9	0.0	0.0	20.3	Heavy	
06/23	65.1	61.8	0.0	0.0	12.5	Heavy	
06/24	66.9	63.6	0.0	0.0	17.8	Heavy	
06/25	71.4	65.8	0.5	0.0	12.0	Heavy	
06/26	70.9	65.8	0.5	0.0	19.0	Heavy	
06/27	68.2	63.6	0.0	0.0	12.5	Heavy	

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06/28	66.7	62.9	0.0	0.0	15.3	Heavy
06/29	70.2	64.7	0.3	0.0	15.5	Heavy
06/30	71.5	65.4	1.5	0.0	12.0	Heavy
07/01	63.6	62.4	0.0	0.0	7.8	

Leaf Wetness Sensor Parameters:

Base Temperature	0.0
Upper Temperature	100.0
Wetness Threshold	6.0

Belchertown, MA Phomopsis Cane+Leaf Spot - Grape From 2009-06-21 To 2009-07-01

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensi ty Seyval
06/21	63.1	24.0	0.14	24.0	63.1	162	Hi gh 180
06/22	60.9	24.0	0.14	48.0	62.0	433	Hi gh 361
06/23	61.8	24.0	0.00	72.0	61.9	772	Hi gh 549
06/24	63.6	24.0	0.08	96.0	62.3	1170	Hi gh 748
06/25	65.8	24.0	0.00	120.0	63.0	1617	Hi gh 956
06/26	65.8	24.0	0.07	144.0	63.5	2103	Hi gh 1165
06/27	63.6	24.0	0.00	168.0	63.5	2621	Hi gh 1368
06/28	62.9	24.0	0.00	192.0	63.4	3172	Hi gh 1570
06/29	64.7	24.0	0.00	216.0	63.6	3755	Hi gh 1779
06/30	65.4	24.0	0.57	240.0	63.8	4367	Hi gh 1991
07/01	62.4	7.3	0.00	247.8	63.7	4570	Hi gh 2056

Leaf Wetness Sensor Parameters:

Base Temperature	41.0
Upper Temperature	95.9
Wetness Threshold	3.0

Wet+Rain is the number of rain-initiated leaf wetness hours

Wet Temp is the mean temperature during the rain-initiated wetness period

Di sease Intensi ty projects the estimated lesions per leaf