

Belchertown 2011 Black Rot - Grape From 2011-07-15 To 2011-08-01

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
07/15	83.6	54.7	6.5	0.56	
07/16	87.5	58.4	5.8	0.63	
07/17	91.4	63.3	4.3	0.63	
07/18	83.5	69.9	2.3	0.35	
07/19				0.00	
07/20				0.00	
07/21	94.8	79.1		0.00	
07/22	98.6	72.8	5.0	0.76	
07/23	94.5	67.2	6.0	1.02	Infection Risk
07/24	88.2	70.6	2.0	0.33	
07/25	70.7	60.6	10.3	1.37	Infection Risk
07/26	85.1	60.7	14.3	2.30	Infection Risk
07/27	83.7	58.0	9.8	1.98	Infection Risk
07/28	83.7	60.0	8.3	1.39	Infection Risk
07/29	75.8	68.6	8.5	1.46	Infection Risk
07/30	84.6	65.6	7.8	2.74	Infection Risk
07/31	87.9	60.7	8.0	1.16	Infection Risk
08/01	85.3	66.5	1.5	0.25	

Belchertown 2011 Botrytis - Grape From 2011-07-15 To 2011-08-01

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
07/15	83.6	54.7	6.5	2.8	0.00	
07/16	87.5	58.4	5.8	1.3	0.00	
07/17	91.4	63.3	4.3		0.00	
07/18	83.5	69.9	2.3		0.00	
07/19					0.00	
07/20					0.00	
07/21	94.8	79.1			0.00	
07/22	98.6	72.8	5.0	1.5	0.00	
07/23	94.5	67.2	6.0		0.00	
07/24	88.2	70.6	2.0		0.00	
07/25	70.7	60.6	10.3	7.3	0.00	
07/26	85.1	60.7	14.3	15.5	0.81	Moderate Infection Risk
07/27	83.7	58.0	9.8	7.5	0.00	
07/28	83.7	60.0	8.3	6.0	0.00	
07/29	75.8	68.6	8.5	7.8	0.00	
07/30	84.6	65.6	7.8	7.3	0.00	
07/31	87.9	60.7	8.0	5.5	0.00	
08/01	85.3	66.5	1.5		0.00	

Belchertown 2011 Downy Mildew - Grape From 2011-07-15 To 2011-08-01

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
07/15	83.6	0.0		6.5	1.5	0.0	1	Primary Infection
07/16	87.5	>min		5.8	0.8	0.0	1	Possible Infection
07/17	91.4	>min		4.3	0.0	0.0	0	
07/18	83.5	>min	0.06	2.3	0.0	0.0	0	
07/19		>min			0.0	0.0	0	
07/20		>min			0.0	0.0	0	
07/21	94.8	>min			0.0	0.0	0	
07/22	98.6	>min		5.0	0.8	0.8	3	High Risk of Infection
07/23	94.5	>min		6.0	0.0	0.0	0	
07/24	88.2	>min		2.0	0.0	0.0	0	
07/25	70.7	>min	0.40	10.3	5.8	0.0	1	Possible Infection
07/26	85.1	>min	0.44	14.3	14.0	1.3	3	High Risk of Infection
07/27	83.7	>min	0.01	9.8	7.5	0.0	1	Possible Infection
07/28	83.7	>min		8.3	5.3	0.3	1	Possible Infection
07/29	75.8	>min	0.47	8.5	6.3	6.3	3	High Risk of Infection
07/30	84.6	>min	0.01	7.8	6.3	6.3	3	High Risk of Infection
07/31	87.9	>min		8.0	4.8	0.0	1	Possible Infection
08/01	85.3	>min		1.5	0.0	0.0	0	

Belchertown 2011 Powdery Mildew - Grape From 2011-07-15 To 2011-08-01

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
07/15	83.6	70.0	12.5	0.0	6.5		
07/16	87.5	73.9	5.8	0.0	5.8		
07/17	91.4	77.7	5.0	0.0	4.3		
07/18	83.5	76.0	24.0	0.0	2.3		
07/19			0.0	0.0	0.0		
07/20			0.0	0.0	0.0		
07/21	94.8	87.3	4.3	0.0	0.0		
07/22	98.6	86.1	12.5	6.3	4.8		
07/23	94.5	80.2	13.0	0.0	6.0		
07/24	88.2	77.6	19.3	0.0	2.0		60 Heavy
07/25	70.7	66.4	5.8	0.0	10.3		50 Medium
07/26	85.1	67.9	5.5	0.0	14.3	Heavy	40 Medium
07/27	83.7	69.5	11.0	0.0	9.5	Heavy	60 Heavy
07/28	83.7	72.6	14.5	0.0	8.3		80 Heavy
07/29	75.8	71.8	15.8	0.0	8.3		100 Heavy
07/30	84.6	75.3	17.3	0.0	7.8	Heavy	100 Heavy
07/31	87.9	74.3	6.5	0.0	7.5		100 Heavy
08/01	85.3	72.8	8.0	0.0	1.3		100 Heavy

Belchertown 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-07-15 To 2011-08-01

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
07/15	70.0	6.8	0.00	0.0	0.0	0	0
07/16	73.9	5.8	0.00	0.0	0.0	0	0
07/17	77.7	4.5	0.00	0.0	0.0	0	0
07/18	76.0	2.8	0.06	1.8	75.1	3 Light	11 Light
07/19		0.0		0.0	0.0	0	0
07/20		0.0		0.0	0.0	0	0
07/21	87.3	0.0	0.00	0.0	0.0	0	0
07/22	86.1	5.3	0.00	0.0	0.0	0	0
07/23	80.2	6.3	0.00	0.0	0.0	0	0
07/24	77.6	2.5	0.00	0.0	0.0	0	0
07/25	66.4	10.3	0.40	9.8	63.0	45 Moderate	70 Moderate
07/26	67.9	15.0	0.44	24.8	63.4	169 High	186 High
07/27	69.5	10.3	0.01	16.5	63.1	95 High	122 High
07/28	72.6	8.5	0.00	0.0	0.0	0	0
07/29	71.8	8.8	0.47	2.0	72.6	4 Light	13 Light
07/30	75.3	8.8	0.01	10.5	70.6	43 Moderate	77 Moderate
07/31	74.3	8.5	0.00	0.0	0.0	0	0
08/01	72.8	2.8	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