

Belchertown 2011 Black Rot - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/22	68.8	64.4	21.5	3.52	Infection Risk
06/23	66.5	60.0	20.3	6.24	Infection Risk
06/24	64.0	54.9	13.8	7.48	Infection Risk
06/25	76.4	53.5	13.5	8.02	Infection Risk
06/26	79.4	62.1	10.3	1.98	Infection Risk
06/27	84.9	58.5	8.0	1.18	Infection Risk
06/28	85.2	62.4	5.3	0.77	
06/29	80.4	61.4	8.5	1.40	Infection Risk
06/30	79.3	57.2	3.5	0.30	
07/01	79.7	53.6	1.3	0.17	
07/02	84.7	57.8	7.5	1.03	Infection Risk
07/03	75.1	64.7	7.0	1.21	Infection Risk
07/04	87.0	66.1	8.0	2.39	Infection Risk
07/05	74.9	63.1	7.5	1.30	Infection Risk

Belchertown 2011 Downy Mildew - Grape From 2011-06-22 To 2011-07-05

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
06/22	68.8	0.0	0.87	21.5	17.0	15.3	1	Primary Infection
06/23	66.5	>min	0.43	20.3	21.8	0.0	1	Possible Infection
06/24	64.0	>min	0.06	13.8	17.0	0.0	1	Possible Infection
06/25	76.4	>min	0.69	13.5	14.8	0.0	1	Possible Infection
06/26	79.4	>min		10.3	8.8	0.5	3	High Risk of Infection
06/27	84.9	>min		8.0	7.0	0.0	1	Possible Infection
06/28	85.2	>min		5.3	0.0	0.0	0	
06/29	80.4	>min	0.67	8.5	6.8	5.5	3	High Risk of Infection
06/30	79.3	>min		3.5	0.0	0.0	0	
07/01	79.7	>min		1.3	0.0	0.0	0	
07/02	84.7	>min		7.5	4.3	0.0	1	Possible Infection
07/03	75.1	>min	0.06	7.0	3.8	3.8	3	High Risk of Infection
07/04	87.0	>min		8.0	7.8	7.8	3	High Risk of Infection
07/05	74.9	>min		7.5	4.3	0.3	1	Possible Infection

Belchertown 2011 Powdery Mildew - Grape From 2011-06-22 To 2011-07-05

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/22	68.8	66.9	0.0	0.0	21.5	Heavy	
06/23	66.5	63.5	0.0	0.0	20.3	Heavy	
06/24	64.0	59.2	0.0	0.0	13.8	Heavy	
06/25	76.4	62.4	5.0	0.0	13.5	Heavy	
06/26	79.4	68.9	10.3	0.0	10.3	Heavy	
06/27	84.9	71.9	13.8	0.0	8.0		
06/28	85.2	73.6	15.0	0.0	5.0		60 Heavy
06/29	80.4	70.4	10.0	0.0	8.0		80 Heavy
06/30	79.3	67.9	10.3	0.0	3.3		100 Heavy
07/01	79.7	67.1	10.0	0.0	1.3		100 Heavy
07/02	84.7	71.3	13.5	0.0	7.5		100 Heavy
07/03	75.1	69.7	12.3	0.0	7.0		100 Heavy
07/04	87.0	75.3	12.0	0.0	8.0	Heavy	100 Heavy
07/05	74.9	66.1	1.3	0.0	7.5		90 Heavy

Belchertown 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-22 To 2011-07-05

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/22	66.9	22.3	0.87	14.0	66.6	73 Moderate	106 High
06/23	63.5	21.3	0.43	56.8	65.0	553 High	451 High
06/24	59.2	13.8	0.06	47.3	62.8	426 High	361 High
06/25	62.4	13.5	0.69	15.3	58.0	76 Moderate	95 High
06/26	68.9	10.3	0.00	13.5	64.5	71 Moderate	101 High
06/27	71.9	8.0	0.00	0.0	0.0	0	0
06/28	73.6	6.3	0.00	0.0	0.0	0	0
06/29	70.4	9.0	0.67	7.5	66.8	30 Light	56 Moderate
06/30	67.9	3.8	0.00	0.0	0.0	0	0
07/01	67.1	1.3	0.00	0.0	0.0	0	0
07/02	71.3	7.8	0.00	0.0	0.0	0	0
07/03	69.7	7.3	0.06	2.0	71.0	4 Light	14 Light
07/04	75.3	8.3	0.00	0.0	0.0	0	0
07/05	66.1	7.5	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