

Belchertown 2011 Black Rot - Grape From 2011-06-01 To 2011-06-24

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/01	86.0	63.7	7.3	1.20	Infection Risk
06/02	68.5	50.0	3.3	1.56	Infection Risk
06/03	70.5	44.4		0.00	
06/04	74.5	44.7		0.00	
06/05	72.4	43.3	0.3	0.01	
06/06	81.0	54.1	4.0	0.28	
06/07	89.0	56.7	5.3	0.50	
06/08	92.1	64.2	5.5	0.55	
06/09	89.4	64.3	15.3	2.97	Infection Risk
06/10	79.7	61.6	8.3	4.13	Infection Risk
06/11	65.9	53.2	18.3	1.57	Infection Risk
06/12	60.2	51.2	9.5	2.04	Infection Risk
06/13	71.2	54.3	4.8	0.34	
06/14	63.1	50.5	7.5	0.49	
06/15	79.0	49.2	12.3	0.87	
06/16	84.7	55.0	8.8	1.17	Infection Risk
06/17	73.6	59.8	12.8	1.78	Infection Risk
06/18	83.6	60.3	9.3	2.80	Infection Risk
06/19	76.9	56.0	3.5	0.57	
06/20	81.8	49.6	6.0	0.31	
06/21	86.2	54.4	6.5	0.62	
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	59.9	57.1	7.5	6.94	Infection Risk

Belchertown 2011 Downy Mildew - Grape From 2011-06-01 To 2011-06-24

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours >95%RH	Risk	Warning	
06/01	86.0	0.0	0.98	7.3	4.8	4.3	1	Primary Infection
06/02	68.5	>min		3.3	0.0	0.0	0	
06/03	70.5	>min		0.8	0.0	0.0	0	
06/04	74.5	>min		0.3	0.0	0.0	0	
06/05	72.4	>min		3.0	0.0	0.0	0	
06/06	81.0	>min		4.0	0.5	0.0	1	Possible Infection
06/07	89.0	>min		5.3	0.5	0.0	1	Possible Infection
06/08	92.1	>min	0.12	5.5	0.0	0.0	0	
06/09	89.4	>min	0.65	15.3	7.0	0.0	1	Possible Infection
06/10	79.7	>min		8.3	8.8	0.8	3	High Risk of Infection
06/11	65.9	>min	0.48	18.3	12.0	0.0	1	Possible Infection
06/12	60.2	>min	0.12	9.5	10.3	0.0	1	Possible Infection
06/13	71.2	>min		4.8	7.5	0.0	1	Possible Infection
06/14	63.1	>min	0.08	7.5	0.5	0.0	1	Possible Infection
06/15	79.0	>min	0.09	12.3	7.3	0.0	1	Possible Infection
06/16	84.7	>min	0.01	8.8	10.0	0.0	1	Possible Infection
06/17	73.6	>min	0.24	12.8	8.0	1.5	3	High Risk of Infection
06/18	83.6	>min		9.3	8.8	0.0	1	Possible Infection
06/19	76.9	>min		3.5	0.0	0.0	0	
06/20	81.8	>min		6.0	2.0	0.0	1	Possible Infection
06/21	86.2	>min		6.5	1.8	0.0	1	Possible Infection
06/22	68.8	>min	0.87	21.5	17.0	15.3	3	High Risk of Infection
06/23	66.5	>min	0.43	20.3	21.8	0.0	1	Possible Infection
06/24	59.9	>min	0.03	7.5	7.5	0.0	1	Possible Infection

Belchertown2011 Powdery Mildew - Grape From 2011-06-01 To 2011-06-24

Date	Temperature		Hours	Hours	Wet	Ascospore	Conidial
	High	Mean	70-85	>95	Hours	Infection	Index
06/01	86.0	71.3	5.8	0.0	7.3		
06/02	68.5	60.0	0.0	0.0	3.3		
06/03	70.5	58.0	0.3	0.0	0.8		
06/04	74.5	59.9	6.0	0.0	0.3		
06/05	72.4	60.2	2.8	0.0	3.0		
06/06	81.0	68.2	10.3	0.0	4.0		
06/07	89.0	74.2	5.3	0.0	5.3		
06/08	92.1	77.4	7.0	0.0	5.3		
06/09	89.4	71.0	4.3	0.0	15.3	Heavy	
06/10	79.7	70.0	12.0	0.0	8.3	Heavy	
06/11	65.9	57.8	0.0	0.0	18.3	Heavy	
06/12	60.2	55.1	0.0	0.0	9.5	Heavy	
06/13	71.2	61.8	0.3	0.0	4.5		
06/14	63.1	56.7	0.0	0.0	7.5		
06/15	79.0	62.8	6.5	0.0	11.8		
06/16	84.7	68.4	10.5	0.0	8.8		
06/17	73.6	65.2	1.5	0.0	12.8	Heavy	
06/18	83.6	70.2	11.8	0.0	9.0	Heavy	
06/19	76.9	67.3	8.3	0.0	3.5		
06/20	81.8	66.4	10.3	0.0	6.0		60 Heavy
06/21	86.2	71.2	14.3	0.0	6.5		80 Heavy
06/22	68.8	66.9	0.0	0.0	21.5	Heavy	70 Heavy
06/23	66.5	63.5	0.0	0.0	20.3	Heavy	60 Heavy
06/24	59.9	58.4	0.0	0.0	7.5	Heavy	50 Medium

Belchertown 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-06-01 To 2011-06-24

Date	Temp	Wet	Rain-	Wet+	Wet	Disease Intensity	
	Mean	Hours	Fall	Rain	Temp	Catawba	Seyval
06/01	71.3	7.5	0.98	8.5	70.1	33 Moderate	62 Moderate
06/02	60.0	3.3	0.00	10.5	66.7	49 Moderate	79 Moderate
06/03	58.0	2.0	0.00	0.0	0.0	0	0
06/04	59.9	0.3	0.00	0.0	0.0	0	0
06/05	60.2	3.0	0.00	0.0	0.0	0	0
06/06	68.2	4.0	0.00	0.0	0.0	0	0
06/07	74.2	5.8	0.00	0.0	0.0	0	0
06/08	77.4	6.0	0.12	3.0	69.5	8 Light	21 Light
06/09	71.0	16.0	0.65	19.0	66.7	113 High	146 High
06/10	70.0	8.3	0.00	15.8	64.5	89 Moderate	118 High
06/11	57.8	18.8	0.48	16.3	56.9	79 Moderate	97 High
06/12	55.1	9.5	0.12	14.3	53.1	50 Moderate	65 Moderate
06/13	61.8	5.8	0.00	0.0	0.0	0	0
06/14	56.7	7.8	0.08	2.8	55.7	6 Light	14 Light
06/15	62.8	12.3	0.09	3.8	59.3	11 Light	23 Light
06/16	68.4	9.0	0.01	12.8	57.2	57 Moderate	76 Moderate
06/17	65.2	13.0	0.24	22.0	64.2	143 High	167 High
06/18	70.2	9.5	0.00	21.0	62.6	133 High	155 High
06/19	67.3	3.5	0.00	0.0	0.0	0	0
06/20	66.4	6.0	0.00	0.0	0.0	0	0
06/21	71.2	6.5	0.00	0.0	0.0	0	0
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	58.4	7.5	0.03	42.5	63.4	367 High	327 High