

Windsor Black Rot - Grape From 2012-09-01 To 2012-09-19

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
09/01	89.4	64.9	10.3	1.68	Infection Risk
09/02	85.0	61.7	14.5	3.01	Infection Risk
09/03	80.5	57.3	8.3	1.65	Infection Risk
09/04	76.5	64.9	12.3	1.98	Infection Risk
09/05	86.0	68.3	11.0	3.56	Infection Risk
09/06	83.8	64.3	11.0	1.47	Infection Risk
09/07	89.2	66.3	11.8	2.08	Infection Risk
09/08	81.6	62.8	12.8	1.82	Infection Risk
09/09	78.1	58.9	9.3	1.73	Infection Risk
09/10	70.6	52.0	6.5	0.63	
09/11	77.4	44.2	3.5	0.16	
09/12	82.3	47.4	10.3	0.48	
09/13	83.8	52.9	10.5	0.88	
09/14	82.7	56.2	10.0	1.08	Infection Risk
09/15	72.1	54.2	5.8	0.84	
09/16	73.3	47.2	7.8	0.20	
09/17	79.8	45.0	5.0	0.27	
09/18	74.6	54.8	20.0	2.88	Infection Risk
09/19	68.8	57.7	3.5	3.46	Infection Risk

Windsor Botrytis - Grape From 2012-09-01 To 2012-09-19

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
09/01	89.4	64.9	10.3	2.5	0.00	
09/02	85.0	61.7	14.5	10.0	0.89	Moderate Infection Risk
09/03	80.5	57.3	8.3	8.3	0.00	
09/04	76.5	64.9	12.3	11.5	0.40	Low Infection Risk
09/05	86.0	68.3	11.0	10.5	0.07	Low Infection Risk
09/06	83.8	64.3	11.0	10.3	0.18	Low Infection Risk
09/07	89.2	66.3	11.8	11.3	0.48	Low Infection Risk
09/08	81.6	62.8	12.8	12.5	0.50	Low Infection Risk
09/09	78.1	58.9	9.3	8.0	0.00	
09/10	70.6	52.0	6.5	0.8	0.00	
09/11	77.4	44.2	7.5	2.3	0.00	
09/12	82.3	47.4	11.3	10.0	0.00	
09/13	83.8	52.9	10.5	10.0	0.00	
09/14	82.7	56.2	10.0	9.8	0.00	
09/15	72.1	54.2	5.8	5.5	0.00	
09/16	73.3	47.2	9.8	7.3	0.00	
09/17	79.8	45.0	11.0	9.5	0.00	
09/18	74.6	54.8	20.0	16.0	2.00	High Infection Risk
09/19	68.8	57.7	3.5	4.0	0.00	

Windsor Downy Mildew - Grape From 2012-09-01 To 2012-09-19

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
09/01	89.4	0.0	0.07	10.3	2.5	1.3	1	Primary Infection
09/02	85.0	>min		14.5	9.0	0.0	1	Possible Infection
09/03	80.5	>min		8.3	7.8	0.0	1	Possible Infection
09/04	76.5	>min	0.03	12.3	10.8	7.3	3	High Risk of Infection
09/05	86.0	>min	0.72	11.0	9.5	9.3	3	High Risk of Infection
09/06	83.8	>min		11.0	9.0	6.8	3	High Risk of Infection
09/07	89.2	>min		11.8	11.0	11.0	3	High Risk of Infection
09/08	81.6	>min	0.62	12.8	12.3	8.8	3	High Risk of Infection
09/09	78.1	>min	0.03	9.3	7.8	0.0	1	Possible Infection
09/10	70.6	>min		6.5	0.0	0.0	0	
09/11	77.4	>min		7.5	1.8	0.0	1	Possible Infection
09/12	82.3	>min		11.3	10.0	0.0	1	Possible Infection
09/13	83.8	>min		10.5	9.8	0.3	1	Possible Infection
09/14	82.7	>min		10.0	9.3	0.0	1	Possible Infection
09/15	72.1	>min	0.01	5.8	5.3	0.0	1	Possible Infection
09/16	73.3	>min		9.8	6.5	0.0	1	Possible Infection
09/17	79.8	>min		11.0	9.0	0.0	1	Possible Infection
09/18	74.6	>min	1.48	20.0	14.5	5.8	3	High Risk of Infection
09/19	68.8	>min		3.5	3.5	3.3	3	High Risk of Infection

Windsor Powdery Mildew - Grape From 2012-09-01 To 2012-09-19

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
09/01	89.4	76.2	5.0	0.0	9.5		
09/02	85.0	70.8	10.0	0.0	14.3	Heavy	
09/03	80.5	68.0	10.0	0.0	8.3	Heavy	
09/04	76.5	71.1	14.5	0.0	11.3		60 Heavy
09/05	86.0	75.7	16.5	0.0	10.3	Heavy	80 Heavy
09/06	83.8	71.9	12.5	0.0	10.8		100 Heavy
09/07	89.2	75.4	9.8	0.0	11.5		100 Heavy
09/08	81.6	73.5	18.8	0.0	12.5		100 Heavy
09/09	78.1	66.7	7.3	0.0	9.0	Heavy	100 Heavy
09/10	70.6	61.6	0.3	0.0	6.5		90 Heavy
09/11	77.4	59.1	4.5	0.0	7.3		80 Heavy
09/12	82.3	62.7	7.8	0.0	11.3		100 Heavy
09/13	83.8	67.5	10.5	0.0	10.3		100 Heavy
09/14	82.7	68.6	10.5	0.0	9.8		100 Heavy
09/15	72.1	63.6	4.0	0.0	5.5		90 Heavy
09/16	73.3	59.2	5.3	0.0	9.5		80 Heavy
09/17	79.8	60.9	7.5	0.0	10.8		100 Heavy
09/18	74.6	65.5	7.8	0.0	19.8	Heavy	100 Heavy
09/19	68.8	62.7	0.0	0.0	3.5	Heavy	90 Heavy

Windsor Phomopsis Cane+Leaf Spot - Grape From 2012-09-01 To 2012-09-19

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
09/01	76.2	12.5	0.07	3.5	66.9	10 Light	25 Light
09/02	70.8	14.5	0.00	12.8	64.9	65 Moderate	95 High
09/03	68.0	8.5	0.00	0.0	0.0	0	0
09/04	71.1	13.8	0.03	3.0	65.7	8 Light	21 Light
09/05	75.7	13.0	0.72	17.0	74.5	71 Moderate	116 High
09/06	71.9	12.0	0.00	0.0	0.0	0	0
09/07	75.4	12.0	0.00	0.0	0.0	0	0
09/08	73.5	13.5	0.62	5.3	65.9	18 Light	38 Moderate
09/09	66.7	9.8	0.03	14.0	62.5	75 Moderate	101 High
09/10	61.6	7.5	0.00	0.0	0.0	0	0
09/11	59.1	8.3	0.00	0.0	0.0	0	0
09/12	62.7	11.5	0.00	0.0	0.0	0	0
09/13	67.5	10.8	0.00	0.0	0.0	0	0
09/14	68.6	10.3	0.00	0.0	0.0	0	0
09/15	63.6	6.5	0.01	1.8	57.8	3 Light	10 Light
09/16	59.2	10.3	0.00	0.0	0.0	0	0
09/17	60.9	11.5	0.00	0.0	0.0	0	0
09/18	65.5	21.8	1.48	15.5	70.4	77 Moderate	116 High
09/19	62.7	4.0	0.00	14.5	69.2	73 Moderate	110 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