

New Preston 2011 Black Rot - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
08/26	81.7	61.3	10.3	1.19	Infection Risk
08/27	73.5	64.0	21.5	3.87	Infection Risk
08/28	71.4	60.1	17.5	6.84	Infection Risk
08/29	74.1	52.5	1.0	0.07	
08/30	78.4	51.8	3.5	0.24	
08/31	81.9	56.0	7.0	0.63	
09/01	79.7	58.4	3.8	0.50	
09/02	77.5	57.1	0.5	0.05	
09/03	81.5	58.3	2.5	0.32	
09/04	81.7	67.6	8.8	1.49	Infection Risk
09/05	77.0	63.8	2.3	0.29	
09/06	63.8	56.6	17.5	1.79	Infection Risk
09/07	63.9	55.7	17.5	3.34	Infection Risk
09/08	77.7	57.8	13.5	4.41	Infection Risk
09/09	77.5	60.0	9.0	1.52	Infection Risk
09/10	80.0	57.8	5.0	0.65	
09/11	70.6	56.3	2.3	0.19	
09/12	77.7	60.8	7.3	0.57	
09/13	79.4	58.1	8.3	1.22	Infection Risk
09/14	79.7	62.5	7.0	0.59	
09/15	67.3	65.7	8.0	1.90	Infection Risk

New Preston 2011 Botrytis - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
08/26	81.7	61.3	10.3	9.5	0.00	
08/27	73.5	64.0	21.5	23.3	3.09	High Infection Risk
08/28	71.4	60.1	17.5	18.8	1.82	High Infection Risk
08/29	74.1	52.5	1.0	0.5	0.00	
08/30	78.4	51.8	3.5	1.0	0.00	
08/31	81.9	56.0	7.0	4.3	0.00	
09/01	79.7	58.4	3.8	1.3	0.00	
09/02	77.5	57.1	0.5	1.0	0.00	
09/03	81.5	58.3	2.5	2.8	0.00	
09/04	81.7	67.6	8.8	12.0	0.00	
09/05	77.0	63.8	2.3	9.0	0.00	
09/06	63.8	56.6	17.5	17.8	1.28	High Infection Risk
09/07	63.9	55.7	17.5	22.3	2.12	High Infection Risk
09/08	77.7	57.8	13.5	15.0	0.58	Moderate Infection Risk
09/09	77.5	60.0	9.0	9.3	0.00	
09/10	80.0	57.8	5.0	3.5	0.00	
09/11	70.6	56.3	2.3	3.8	0.00	
09/12	77.7	60.8	7.3	8.3	0.00	
09/13	79.4	58.1	8.3	8.5	0.00	
09/14	79.7	62.5	7.0	5.0	0.00	
09/15	67.3	65.7	8.0	8.5	0.00	

New Preston 2011 Downy Mildew - Grape From 2011-08-26 To 2011-09-15

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
08/26	81.7	0.0	0.05	10.3	9.0	2.5	1	Primary Infection
08/27	73.5	>min	1.22	21.5	22.5	15.5	3	High Risk of Infection
08/28	71.4	>min	5.20	17.5	16.5	16.5	3	High Risk of Infection
08/29	74.1	>min		1.0	0.0	0.0	0	
08/30	78.4	>min		3.5	0.0	0.0	0	
08/31	81.9	>min		7.0	2.3	0.0	1	Possible Infection
09/01	79.7	>min		3.8	0.8	0.0	1	Possible Infection
09/02	77.5	>min		0.5	0.0	0.0	0	
09/03	81.5	>min		2.5	1.5	0.0	1	Possible Infection
09/04	81.7	>min		8.8	10.0	10.0	3	High Risk of Infection
09/05	77.0	>min	0.01	2.3	4.8	3.5	3	High Risk of Infection
09/06	63.8	>min	0.17	17.5	14.8	0.0	1	Possible Infection
09/07	63.9	>min	0.04	17.5	21.5	0.0	1	Possible Infection
09/08	77.7	>min	0.02	13.5	14.3	0.3	1	Possible Infection
09/09	77.5	>min	0.02	9.0	8.5	0.0	1	Possible Infection
09/10	80.0	>min	0.02	5.0	2.0	0.0	1	Possible Infection
09/11	70.6	>min	0.01	2.3	1.8	0.0	1	Possible Infection
09/12	77.7	>min	0.01	7.3	7.8	0.0	1	Possible Infection
09/13	79.4	>min	0.02	8.3	8.3	0.0	1	Possible Infection
09/14	79.7	>min		7.0	3.3	2.5	3	High Risk of Infection
09/15	67.3	>min	0.01	8.0	8.3	7.8	3	High Risk of Infection

New Preston 2011 Powdery Mildew - Grape From 2011-08-26 To 2011-09-15

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
08/26	81.7	70.6	10.5	0.0	10.3		
08/27	73.5	68.6	10.0	0.0	20.0	Heavy	
08/28	71.4	67.0	3.3	0.0	17.0	Heavy	
08/29	74.1	62.0	4.3	0.0	0.5		
08/30	78.4	65.3	8.5	0.0	3.5		
08/31	81.9	68.4	10.8	0.0	6.8		
09/01	79.7	68.3	10.5	0.0	3.3		60 Heavy
09/02	77.5	66.2	8.5	0.0	0.5		80 Heavy
09/03	81.5	69.9	14.3	0.0	2.3		100 Heavy
09/04	81.7	72.5	14.0	0.0	8.8		100 Heavy
09/05	77.0	70.9	12.8	0.0	2.3		100 Heavy
09/06	63.8	59.5	0.0	0.0	17.5	Heavy	90 Heavy
09/07	63.9	59.0	0.0	0.0	15.8	Heavy	80 Heavy
09/08	77.7	65.4	6.3	0.0	13.0	Heavy	100 Heavy
09/09	77.5	67.4	7.3	0.0	8.5		100 Heavy
09/10	80.0	67.5	8.5	0.0	5.0		100 Heavy
09/11	70.6	63.1	0.8	0.0	1.5		90 Heavy
09/12	77.7	67.4	8.0	0.0	7.0		100 Heavy
09/13	79.4	68.5	10.3	0.0	8.3		100 Heavy
09/14	79.7	70.2	12.0	0.0	6.8		100 Heavy
09/15	67.3	66.7	0.0	0.0	8.0		90 Heavy

New Preston 2011 Phomopsis Cane+Leaf Spot - Grape From 2011-08-26 To 2011-09-15

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Intensity	
						Catawba	Seyval
08/26	70.6	10.8	0.05	8.3	64.3	35 Moderate	60 Moderate
08/27	68.6	22.3	1.22	13.0	70.3	60 Moderate	97 High
08/28	67.0	19.5	5.20	59.3	69.2	543 High	473 High
08/29	62.0	2.0	0.00	0.0	0.0	0	0
08/30	65.3	4.8	0.00	0.0	0.0	0	0
08/31	68.4	7.8	0.00	0.0	0.0	0	0
09/01	68.3	5.5	0.00	0.0	0.0	0	0
09/02	66.2	1.0	0.00	0.0	0.0	0	0
09/03	69.9	3.0	0.00	0.0	0.0	0	0
09/04	72.5	9.3	0.00	0.0	0.0	0	0
09/05	70.9	3.5	0.01	0.3	63.8	0 Light	2 Light
09/06	59.5	18.0	0.17	16.3	59.0	86 Moderate	106 High
09/07	59.0	18.8	0.04	19.0	57.4	101 High	117 High
09/08	65.4	14.3	0.02	11.0	60.1	51 Moderate	74 Moderate
09/09	67.4	10.3	0.02	5.8	63.6	21 Light	41 Moderate
09/10	67.5	6.3	0.02	1.8	59.9	4 Light	11 Light
09/11	63.1	3.8	0.01	0.0	0.0	0	0
09/12	67.4	8.3	0.01	4.0	61.7	12 Light	27 Light
09/13	68.5	8.3	0.02	5.5	59.9	19 Light	36 Moderate
09/14	70.2	8.3	0.00	0.0	0.0	0	0
09/15	66.7	8.0	0.01	0.3	65.7	0 Light	2 Light

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