

Disease Infection Periods during Spring 2002

Date	Hrs Wet ¹	Average Temp. (°F)	Apple Scab ²	Pear Scab ³	Cherry Leaf Spot ⁴	Brown Rot Blossom Blight ⁶	Grape Powdery Mildew ⁵	Notes
27 Mar								Braeburn budbreak
4 Apr								Cherry Popcorn
5 Apr	17	50	L	+	--	+		
9 Apr	28.5	52	H	+	M	+		
10 Apr	14	52	L	--	--	+		
12 Apr	35	57	H	+	H	+		
16 Apr	28	42	L	?(--)	?(--)	--		
18 Apr								Grape Budbreak Braeburn King Bloom
26 Apr	18.5	47	L	--	--	?(+)	M	
13 May	14	47	--	--	--		?(L)	
16 May	12	48	--	--	--		L	
19 May	36.5	49	H	+	M		S	
27 May	36	60	H	+	H		S	Also grape downy mildew primary infection period
8 Jun	19	48	L	+	--		M	
17 Jun	15.5 +	60	M	+	M		S	
27 Jun	36	58	H	+	H		S	

- 1 Wet hours begin with rain and end with 8 hours drying time. Monitored with an Adcon A730 weather station; however, calculations for infection period done by hand.
- 2 High = high infection period, Med = moderate infection period, Low = low infection period, N = no infection period based on an ascospore model.
- 3 Pear scab infection periods according to Spotts. + = conditions were right for a minimal infection period. - = no infection period identified.
- 4 High = high infection period, Med = moderate infection period, Low = low infection period, N = no infection period. Infection periods based on model from Michigan. ? = unknown infection period since the model has no information for temperatures below 46° F.
- 5 Infection periods based on ascospore release and infection from the Gubler-Thomas (UC-Davis) grape powdery mildew forecasting program.
- 6 Infection periods based on Brown Rot Blossom Blight Risk Model, Luo, Morgan and Michailides 2001, Phytopathology 91:759-768