

Disease Infection Periods during Spring 2003

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
14 Mar								Bluetta floral bud break
24 Mar								Braeburn and Bartlett bud break, Bluetta vegetative bud break
30 Mar								Cherry Popcorn
2 Apr	32.5	40	L	?	? (--)	--		
5 Apr	25	42	L	--	--	--		
10 Apr	12	53	L	--	--	+		
11 Apr	13.5	51	L	--	--	+		
15 Apr	18	47	L	--	--	? (--)		
16 Apr								Bluetta bloom
22 Apr								Grape Budbreak
23 Apr	32	45	M	+	? (+)	+	S	
28 Apr								Braeburn full bloom
30 Apr								Berkley full bloom
4 May	14	48	--	--	--		M	
11 May	18	52	M	+	L		S	
24 May	6.5	57	--	--	--		L	Possible grape downy mildew primary infection period
9 Sept								10-10-24

- 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, -- = 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, -- = no infection period, + = possible infection. 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