

Disease Infection Periods during Spring 2004

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
8 Mar								Bluetta floral bud break
15 Mar								Braeburn bud break
18 Mar	8.5	42	--	--	--	--		
22 Mar								Bluetta vegetative bud break, Cherry popcorn
24 Mar	4	48	--	--	--	--		Braeburn tight cluster
25 Mar	36	47	H	+	M	+		
30 Mar	7	48	--	--	--	--		
10 Apr								Berkley & Bluetta full bloom
13 Apr	23	48	M	+	L	--		
15 Apr	15	43	--	--	(--)	--	--	Grape Budbreak (14 Apr)
18 Apr	68	46	H	+	H	+	S	Cherry late petal fall
22 Apr								Braeburn full bloom
6 May	14.5	55	L	+	L		M	Possible grape downy mildew 1 ^o infection period
7 May	14	50	L	--	--		M	
17 May	15	55	L	+	L		M	
19 May	7	53	--	--	--		--	
27 May	9	61	L	--	L		M	
28 May	12	54	L	--	L		M	
29 May	5	51	--	--	--		--	
5 Jun	8	58	--	--	L		L	
6 Jun	9	55	--	--	--		L	
7 Jun	6	53	--	--	--		--	
8 Jun	13.5	54	L	+	L		M	

- 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

