

Disease Infection Periods during Spring 2005

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
7 Mar								Blueberry floral bud break
11 Mar								Cherry popcorn
18 Mar	34	49	H	+	M	--		Braeburn prepink
23 Mar	44	43	M	? (+)	? (+)	--		
25 Mar	84	48	H	+	H	+		Blueberry early bloom
7 Apr	13	51	L	--	--	+		
8 Apr	17.5	46	L	--	--	--		
10 Apr	16.5	46	L	--	--	--		Braeburn Bloom
13 Apr	28	43	L	? (-)	--	--		
17 Apr	11	46	--	--	--	--	--	Grape bud break
18 Apr	6	44	--	--	? (-)	--	--	Late Cherry petal fall
23 Apr	31.5	52	H	+	H		S	
1 May	12.5	55	L	+	L		M	
3 May	14.5	57	M	+	L		M	
5 May	10	56	--	--	L		M	
8 May	45.5	51	H	+	H		S	
13 May	8.5	56	--	--	--		L	
16 May	9.5	52	--	--	--		L	
17 May	20	52	M	+	L		S	
18 May	13	52	L	--	--		M	Flag shoots grapes (23 May)
28 May	10.5	54	--	--	--		L	
5 Jun	11.5	48	--	--	--		L	
6 Jun	18	49	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