

## Disease Infection Periods during Spring 2007

Date	Hrs Wet <sup>1</sup>	Average Temp. (°F)	Apple Scab <sup>2</sup>	Pear Scab <sup>3</sup>	Cherry Leaf Spot <sup>4</sup>	Brown Rot Blossom Blight <sup>6</sup>	Grape Powdery Mildew <sup>5</sup>	Notes
19 Mar	18	48	L	--	--	--(+)		Pear & blueberry bud break
24 Mar	11.5	49	--	--	--	--(+)		Popcorn Cherry
26 Mar								Mummyberry apothecia
27 Mar								Full bloom Corum Cherry
7 Apr	11.5	57	L	+	L	+		Braeburn apples pink
8 Apr	39	47	H	+	M	+		Early Bluetta bloom
11 Apr	49	47	H	+	H	+		Rome apples pink
14 Apr								Early Berkley bloom
16 Apr	27	48	M	+	L	+		
21 Apr	29	50	H	+	M	+		
1 May	13	52	L	--	--		M	Grapes 1-3" EL 9
3 May	20	48	M	+	--		S	
18 May	12	55	L	--	L		M	
20 May	15	53	L	+	L		M	Flag shoot found (21 May)
23 May	10.5	53	--	--	--		L	
9 Jun	11	58	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