

## Disease Infection Periods During Spring 2008

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
16 Mar	31.5	45	M	+	?	--		Peaches at pink, Hazelnut bud break
19 Mar	39.5	39	L	? (+)	? (--)	--		
23 Mar	17.5	46	L	--	--	--		Pear at tight cluster
25 Mar	38	38	+/-	? (+)	? (--)	--		
28 Mar	57	38	M	+	?	--		
5 Apr	21	46	L	--	--	--		
7 Apr	53	46	H	+	H	--		Peach full bloom, Apples at tight cluster, Cherry popcorn
14 Apr								Pears at full bloom
19 Apr	94.5	40	H	? (+)	? (+)	+		Cherry full bloom, Apple pink
23 Apr	23.5	43	L	? (--)	? (--)	+		
29 Apr	30.5	45	M	+	? (+/-)	--		Apple at bloom
5 May								Grape at bud break
2 Jun	15	53	L	+	L		M	
5 Jun	9	49	--	--	--		L (?)	
23-30 Jun								Grapes at bloom

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