Disease Infection Periods during Spring 2009

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
27 Mar								Hazelnut budbreak
30 Mar								Peach pink bud
1 Apr	10	43	--	--	--	--		
9 Apr	17.5	46	L	--	--	--		Blueberry floral budbreak
12 Apr	15	47	L	--	--	--		Cherry popcorn
17 Apr	11	49	--	--	--	--		Cherry full bloom
23 Apr								Blueberry full bloom, Rome apple budbreak
28 Apr	9	48	--	--	--	+		Grape budbreak
1 May	30	54	H	+	H	+	S	
4 May	10.5	55	(L)	--	(L)		M	Cherry petal fall
5 May	10.5	56	(L)	--	L		M	
6 May	11	53	--	--	--		M	
7 May	14.5	52	L	+	L		M	Cherry shuck split
10 May								Rome apple full bloom
12 May	12	48	--	--	--		L	
13 May	20	52	M	+	L		S	
1 Jun	19.5	61	H	+	H		S	
3 Jun	20	64	H	+	H		S	

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