Disease Infection Periods during Spring 2006

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
23 Mar	11.5	47	--	--	--			Blueberry floral bud break
24 Mar	20.5	42	--	--	--			
28 Mar	22	44	L	--	? (--)			
30 Mar	15.5	46	--	--	--	--		
31 Mar	13.5	45	--	--	--	--		Braeburn prepink
2 Apr	24.5	47	M	+	--	-- (+)		Cherry popcorn
8 Apr	6	49	--	--	--	-- (+)		
9 Apr	14	46	--	--	--	--		Corum full bloom
10 Apr	15.5	45	--	--	? (--)	--		
11 Apr	13	48	--	--	--	--		
14 Apr	6	51	--	--	--	+		Royal Anne full bloom
15 Apr	26	42	L	? (--)	? (--)	--		
16 Apr	13	42	--	--	--	--		Blueberry early bloom
21 Apr	3	45	--	--	--	--		Braeburn Full Bloom/ Grape bud break
7 May	28	51	H	+	M		S	Flag shoots found (8 May)
19 May	9	52	--	--	--		L	
21 May	16	55	M	+	L		S	
22 May	31.5	54	H	+	H		S	
26 May	8	50	--	--	--		--	
27 May	22	52	M	+	L		S	
31 May	18	61	M	+	M		S	
1 Jun	10.5	60	L	--	L		M	
3 Jun	11	60	L	+	L		M	
12 Jun	6	60	--	--	--		--	

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