

Disease Infection Periods during Spring 2012

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	19.5	49	L	+	---	+		Peach pre-pink
28 Mar	24	47	M	+	---	---		Braeburn green tip
29 Mar	45	47	H	+	M	+		Record Rainfall
31 Mar	22	44	L	---	? (---)	---		
3 Apr	22	44	L	---	? (---)	---		Peach pink bud
10 Apr	39.5	50	H	+	H	+		Cherry bud break
15 Apr	15.5	52	L	+	L	+		Blueberry pre-bloom
17 Apr	16.5	49	L	+	---	---		Cherry popcorn
19 Apr	17	54	M	+	L	+		
25 Apr	13.5	50	---	---	---	+		Apple full bloom, Oak Bud Break
29 Apr	15	52	L	+	L		M	Lilac full bloom
2 May	17.5	49	L	+	---		M	Cherry shuck split
21 May	30	55	H	+	H		S	
24 May	18	49	L	+	---		M	
1 Jun	8	57	---	---	---		L	
3 Jun	9	52	---	---	---		L	
8 Jun	18.5	49	L	+	---		M	
22 Jun	14	56					M	
24 Jun	9	53					L	
25 Jun	14	53					M	Almost Grape 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