

Disease Infection Periods during Spring 2015

Date	Hrs Wet ¹	Ave Temp (°F)	Apple Scab ²	Pear Scab ³	Cherry Leaf Spot ⁴	Brown Rot Blossom Blight ⁶	Mummy Berry ⁷	Grape Powdery Mildew ⁵	Notes
26 Feb	34	49				--	H		Bluetta floral bud break
11 Mar	7	55				--	(M)		Lilacs out an inch
13 Mar	32	55	H			+	H		Cherry and hazelnut bud break
20 Mar	17	52	L	+	L	+	H		Pear tight cluster
22 Mar	38	48	H	+	M	--	H		Cedar rust telia
24 Mar	11	51	--	--	--	+	H		Bees arrived
31 Mar	31	44	M	+	? (--)	--	H		Cherry bloom
3 Apr	20	43	--	? (--)	? (--)	--	H		Berkeley early bloom
6 Apr	21	45	L	--	? (--)	--	H		
7 Apr	12	48	--	--	--	--	H		
8 Apr	20	48	L	+	--	+	H		Braeburn full bloom
11 Apr	9	50	--	--	--	--	H		
13 Apr	18	45	L	--	? (--)	--			Pinot Noir bud break, Rome apple tight cluster
11 May	23	51	M	+	L			S	Blackberry king bloom
20 May	8	60	--	--	L			L	Grape BBCH 57
31 May	14	57	M	+	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
- 7 Infection periods based on Risk of mummy berry infection, Hildebrand and Braun, 1991, Canadian Journal of Plant Pathology 13:232-240