

Disease Infection Periods during Spring 2017

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
13 Mar	51.5	55	H	+	H	+	H		Serviceberry ½ inch
17 Mar	8	46	---	---	---	---	H-M		Crabapple green tip
18 Mar	6.5	53	---	---	---	---	L		
20 Mar	26	47	M	+	L	---	H		Braeburn green tip
21 Mar	20	50	M	+	L	+	H		
23 Mar	18.5	48	L	---	---	---	H		
24 Mar	19	47	L	---	---	---	H		
26 Mar	31	48	H	+	L	---	H		Peach Pink stage
28 Mar	34	49	H	+	M	+	H		Blueberry Floral BB
2 Apr	17	40	---	? (--)	? (--)	---	H-M		Corum popcorn
6 Apr	43	48	H	+	H	+	H		Peach > full bloom
9 Apr	17.5	45	L	---	---	---	H		Bluetta 1 st bloom
11 Apr	19	49	L	+	---	---	H		Corum > full bloom
13 Apr	22	46	L	+	---	---	H		Serviceberry bloom
16 Apr	36	50	H	+	H	+			Pear full bloom
19 Apr	11.5	50	---	---	---	+			Rome Tight Cluster
23 Apr	61	49	H	+	H	+			Braeburn full bloom
29 Apr	7	50	---	---	---	+/-			Blueberry bloom
11 May	11	53	---	---	---			L	Grapes 1-5 inches
12 May	60.5	49	H	+	H			S	
15 May	14	49	---	---	---			M	blueberry late bloom
8 Jun	13.5	58	L	+	L			M	
9 Jun	29.5	51	H	+	M			S	
15 Jun	10	55	---	---	---			L	Early grape bloom
16 Jun	6	61	---	---	L			L	

- 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

