

Disease Infection Periods during Spring 2021

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
8 Mar	14	39				---			Peaches at pink
9 Mar	16	39				---			
19 Mar	13	43	---			---			Braeburn green tip
20 Mar	13	43	---			---	H		
24 Apr	17.5	49	L	+	---	+		M	Blueberry full bloom
30 Apr	12.5	53	L	---	---	+		M	Bing petal fall
7 May	11.5	48	---	---	---			L	
19 May	10	51	---	---	---			L	
24 May	30.5	56	H	+	H			S	
11 Jun	18	58	M	+	M			S	
12 Jun	39	61	H	+	H			S	

- 1 Wet hours begin with rain and end with 8 hours drying time. Monitored with a Meter Atmos 41 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