Disease Infection Periods during Spring 2016

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
2 Mar	16	49				---			Peach pink
4 Mar	10.5	51				+			Blueberry bud break
5 Mar	5	56				(+)			Apple green tip
6 Mar	30	46	M	+		---			Pear bud break
8 Mar	45.5	49	H	+		+			Suncrest full bloom
11 Mar	98	45	H	+		---	H		
20 Mar	56.5	49	H	+	H	+	H		Suncrest petal fall
23 Mar	12	47	---	---	---	---	H		Blueberry prebloom
26 Mar	19.5	49	L	+	---	+	H		Corum full bloom, Breaburn pink
3 Apr	15.5	50	L	---	---	+/---	H		Bing full bloom
13 Apr	18	47	L	---	---	---		M	Pinot Noir bud break
21 Apr	13	54	L	+	L			M	
23 Apr	17	50	L	+	---			M	
4 May	7.5	57	---	---	---			L	
14 May	31.5	53	H	+	H			S	
2 Jun	8	58	---	---	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