Tree Fruit Pest Growing Degree Day Table

Common Name	Scientific Name	Insect Development & Behavior [1, 2]			Typical Treatment Window [2, 3]	
		Biological Event	Range	GDD Maps	Range	GDD Maps
American plum borer	*Euzophera semifuneralis*	adult flight, egg laying	245 - 440	250, 300, 350, 400, 450	245 - 440	250, 300, 350, 400, 450
		2nd generation	1375 - 1500	1350, 1400, 1450, 1500		
Cankerworms (fall & spring)	*Alsophila pometaria* and *Paleacrita vernata*	young caterpillars	100 - 200	100, 150, 200	148 - 290	150, 200, 250, 300
Eastern tent caterpillar	*Malacosma americanum*	egg hatch	45 - 100	50, 100	90 - 190	50, 100, 150, 200
		tents apparent	150	150		
		pupation	450	450		
European red mite	*Panonychus ulmi*	N/A			7 - 58	50
					240 - 810	250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800
Fruitree leafroller	*Archips argyrospilus*	N/A			300 - 618	300, 350, 400, 450, 500, 550, 600
Greater peachtree borer	*Synanthedon exitiosa*	adult emergence	575 - 710	550, 600, 650, 700, 750	1500 - 1800	1500, 1550, 1600, 1650, 1700, 1750, 1800
Lesser peach tree borer	*Synanthedon pictipes*	adult flight	350 - 375	350, 400	N/A	
Redbanded leafroller	*Argyrotaenia velutinana*	N/A			298 - 618	300, 350, 400, 450, 500, 550, 600, 650
Roundheaded apple tree borer	*Saperda candida*	N/A			802 - 1029	800, 850, 900, 950, 1000, 1050
					1514 - 1798	1500, 1550, 1600, 1650, 1700, 1750, 1800
Spotted tentiform leafminer	*Phyllonorycter crataegella*	N/A			121 - 192	100, 150, 200
					363 - 533	350, 400, 450, 500, 550

[1] "Growing Degree Day Information" *Nathan W. Siegert, Deborah G. McCullough and Jeffrey A. Andresen*. Michigan State University, 2 October 2015. Web. 25 February 2016. http://www.ipm.msu.edu/agriculture/christmas_trees/growing_degree_day_information.

[2] "Using Growing Degree-Days for Insect Pest Management" *Thomas Kowalsick and Scott Clark.* Cornell Cooperative Extension in Suffolk County, March 2012. Web. 25 February 2016. https://s3.amazonaws.com/assets.cce.cornell.edu/attachments/1870/Using-Growing-Degree-Days-for-Insect-Pest-Management.pdf?1408019830.

[3] "Using Growing Degree Days for Insect Management" *Nancy E. Adams.* University of New Hampshire Cooperative Extension. Web, 25 February 2016. http://extension.unh.edu/Agric/GDDays/Docs/growch.pdf.