

Nursery and Landscape Pest Scouting - Growing Degree-day Ranges				(240-600 GDD50)		(zoom in to click on links)	
Crop type	Common name	Latin name	GDD50 Range		Developmental / Target Stage	Extension & Industry Resources	
			Min	Max			
Miscy	Redheaded flea beetle	<i>Systema bidentata</i>	242	600	1st control target - egg hatch / larval activity	Extension & Industry Resources	
Candy	Adornate leafminer	<i>Argemone thurberii</i>	245	300	Larvae Treatments (1st generation)	Extension & Industry Resources	
Phlox	American plum borer	<i>Euamblymus ornithobasus</i>	245	480	Adult flight, egg laying	Extension & Industry Resources	
Blossom	Blossom weevil	<i>Eurythoneura buxi</i>	245	600	All Stages	Extension & Industry Resources	
Ulm	Ulm leafminer	<i>Chloritis pyralis</i>	246	360	Larvae Treatments	Extension & Industry Resources	
Holly	Holly leafminer	<i>Phytomyza ilicis</i>	246	480	Larvae Treatment	Extension & Industry Resources	
Tree	Texas mealybug	<i>Dysmicoccus wickhami</i>	246	618	Adults/Crawlers	Extension & Industry Resources	
Candy	Pine sawflies (Red-headed)	<i>Pezomachus aceris</i>	246	1288	Larvae (1st generation)	Extension & Industry Resources	
Blossom	Blossom leafminer	<i>Minorthoposiphium</i>	249	-	Adult emergence	Extension & Industry Resources	
Candy	Eastern spruce gall adelgid	<i>Adelges abietis</i>	250	310	Egg hatch, galls begin forming (1st control target)	Extension & Industry Resources	
Birch	Birch leafminer	<i>Prionoxystus</i>	275	375	Adults laying eggs	Extension & Industry Resources	
Blossom	Blossom Psyllid	<i>Campoplex buxi</i>	290	440	Nymphs	Extension & Industry Resources	
Candy	Pine Needle Scale	<i>Chionaspis pinifoliae</i>	298	448	Crawlers (1st generation) - control target	Extension & Industry Resources	
Larval	Larval leafminer	<i>Chloritis demissa</i>	298	515	Typical treatment window	Extension & Industry Resources	
Candy	Pine eriophid mites	<i>Eriophyes</i>	298	535	Typical treatment window	Extension & Industry Resources	
Miscy	Redheaded leafhopper	<i>Argemone veltmani</i>	298	618	Typical treatment window	Extension & Industry Resources	
Pinus	Pinus Rust Mite	<i>Oudemansia</i>	298	822	All stages	Extension & Industry Resources	
Oaks	Barnes oak scale	<i>Akademia</i>	298	512	Typical treatment window	Extension & Industry Resources	
Candy	Pine root collar weevil	<i>Hyloterms</i>	300	320	1st adults active	Extension & Industry Resources	
Candy	Aspen bark beetle	<i>Dendroctonus brevicornis</i>	300	350	Forest beetles colonizing broad material	Extension & Industry Resources	
Spirea	Spirea aphid	<i>Aphis spiraeae</i>	306	-	Adults/nymphs	Extension & Industry Resources	
Candy	Herlock Woodly Adelgid	<i>Adelges herlocki</i>	350	350	Eggs and 1st instar	Extension & Industry Resources	
Miscy, Pinus, Miscy	Larval peach tree borer	<i>Synanthribus piceipes</i>	350	375	Adult flight, egg laying	Extension & Industry Resources	
Rhododendron	Aspen Lacebug	<i>Stephanitis pyralidis</i>	350	646	Adults (1st generation)	Extension & Industry Resources	
Rhododendron	Spined borer	<i>Synanthribus viticola</i>	350	600	Adults, eggs, overwinter	Extension & Industry Resources	
Candy	Stagnate Herlock Scale	<i>Pectinias</i>	360	300	Crawlers (1st generation)	Extension & Industry Resources	
Elm	Elm Leaf Beetle	<i>Xanthoxystus luteus</i>	363	530	Larvae treatment (1st generation)	Extension & Industry Resources	
Candy	Larch sawfly	<i>Chrysobothris laricina</i>	363	628	2,4 Nymphs active - typical treatment window	Extension & Industry Resources	
Miscy	Dypterid Scale	<i>Larabacchus ulmi</i>	363	307	Crawlers	Extension & Industry Resources	
Candy	Straw pine scale	<i>Thaumaspis</i>	400	500	Crawlers (1st generation)	Extension & Industry Resources	
Candy	Pine needle midge	<i>Thysanotus</i>	400	510	Adults (1st generation)	Extension & Industry Resources	
Candy	Pine tortoise scale	<i>Thaumaspis parvicornis</i>	400	1000	Crawlers	Extension & Industry Resources	
Tree, Rhododendron, Miscy	Black Vine Weevil	<i>Otitus</i>	400	2800	Adults treatment	Extension & Industry Resources	
Blossom	Blossom leafhopper	<i>Chrysobothris</i>	412	-	Adults/nymphs	Extension & Industry Resources	
MANY	Fourlined plant bug	<i>Pentatomus</i>	415	-	Egg hatch / early instars	Extension & Industry Resources	
Miscy	Two Spotted Mite	<i>Pentagonus</i>	437	507	Adults (adult up activity)	Extension & Industry Resources	
Birch	Bronze Birch Borer	<i>Agrilus</i>	440	880	Adults (egg laying)	Extension & Industry Resources	
Blossom	Blossom Leafminer	<i>Minorthoposiphium</i>	448	300	Larvae treatment	Extension & Industry Resources	
Rhododendron	Aspen whitefly	<i>Proxys</i>	448	300	Adults/nymphs	Extension & Industry Resources	
Oak	Dup-shouldered	<i>Bucculatrix</i>	448	307	Typical treatment window	Extension & Industry Resources	
Candy	Herlock looper	<i>Lambdula</i>	448	307	Typical treatment window	Extension & Industry Resources	
Candy	Pine shoot beetle	<i>Tomicus</i>	450	600	Adults emerge; begin shoot feeding - control target	Extension & Industry Resources	
Candy	Pine Chafer (Anemone Beetle)	<i>Anemobius</i>	450	800	Adults (1st generation)	Extension & Industry Resources	
Miscy	Spirea moth	<i>Lymantria</i>	450	900	Caterpillar to pupation - control target missed	Extension & Industry Resources	
Larval	Mealy scale	<i>Larabacchus</i>	470	-	Crawlers (1st generation)	Extension & Industry Resources	
Candy	European pine shoot moth	<i>Phaenocarpa</i>	480	710	Larvae Treatment	Extension & Industry Resources	
Miscy, Pinus, Miscy	Peach Tree Borer	<i>Synanthribus</i>	500	600	Adults - emerge (1st treatment both types)	Extension & Industry Resources	
Rhododendron	Rhododendron borer	<i>Synanthribus</i>	528	600	Adults emerge	Extension & Industry Resources	
Miscy	White pruned scale	<i>Purdianaspis</i>	513	-	Crawlers (1st generation)	Extension & Industry Resources	
Miscy	Redheaded flea beetle	<i>Systema bidentata</i>	517	1028	1st instar	Extension & Industry Resources	
Miscy	Cottary canella / Texas scale	<i>Aspidiotus</i>	520	-	Crawlers (1st generation)	Extension & Industry Resources	
Birch	Birch Leafminer	<i>Prionoxystus</i>	530	300	Larvae (2nd generation)	Extension & Industry Resources	
Candy	Adornate Leafminer	<i>Argemone thurberii</i>	533	300	Adults (egg laying) - larvae treatments	Extension & Industry Resources	
Juniper	Juniper Scale	<i>Aspidiotus</i>	533	820	Crawlers (1st generation)	Extension & Industry Resources	
Maple	Greenstriped mapleworm	<i>Dryocampa</i>	533	1645	Control target	Extension & Industry Resources	
Candy	Western gall midge	<i>Peridermium</i>	550	700	Galls apparent	Extension & Industry Resources	
Candy	Juniper scale	<i>Aspidiotus</i>	550	300	Egg hatch	Extension & Industry Resources	
Miscy, Pinus, Miscy	Larval peach tree borer	<i>Synanthribus</i>	575	710	Adult emergence	Extension & Industry Resources	
Candy	Spirea scale	<i>Aspidiotus</i>	600	600	1st crawler emergence	Extension & Industry Resources	
Candy	Bigworm	<i>Phytomyza</i>	600	500	Larvae (early instars) - ONLY CONTROL WINDOW	Extension & Industry Resources	
Candy	Cottary spruce gall adelgid	<i>Adelges</i>	600	1000	Nymphs active - Douglas fir (control target)	Extension & Industry Resources	

Daily GDD50 = (Max + Min Temp) / 2 * 24 (Max Temp - Min Temp)
 Reference: [Daily GDD50](#)