

Degree Days for Common Landscape Insect Pests

Karen Delahaut, UW-Madison Fresh Market Vegetable Program

Ash Borer

1st instar larvae = 275-500 DD₅₀

Ash Plantbug

Nymphs = 100-200 DD₅₀

Birch Leafminer

1st generation larvae = 275-500 DD₅₀

Black Vine Weevil

1st generation adults = 400-600 DD₅₀

2nd generation adults = 900-1000 DD₅₀



Bronze Birch Borer

Larvae = 400-500 DD₅₀

Cooley Spruce Gall Adelgid

Adults = 50-100 DD₅₀

Egg hatch = 210 DD₅₀

Galls forming = 250 DD₅₀

2nd generation nymphs = 2800-3000 DD₅₀



Cottony Maple Scale

Egg hatch = 850 DD₅₀

Crawlers = 900-1200 DD₅₀



Eastern Spruce Gall Adelgid

Adults = 50-100 DD₅₀

Egg hatch = 90 DD₅₀

1st instar larvae = 100 DD₅₀

2nd generation nymphs = 2800-3000 DD₅₀

Eastern Tent Caterpillar

Egg hatch = 50 DD₅₀

1st instar larvae = 100 DD₅₀

2nd instar larvae = 140 DD₅₀

3rd instar larvae = 350 DD₅₀

Adults = 725 DD₅₀



Elm Leaf Beetle

Larvae = 400-500 DD₅₀

Elm Sawfly

Larvae = 365 DD₅₀

Euonymus Scale

Crawlers = 500-700 DD₅₀

European Pine Sawfly

1st instar larvae = 50-100 DD₅₀

European Pine Shoot Moth

Spring larvae active = 50-100 DD₅₀

Adults = 900 DD₅₀

Egg hatch = 200-100 DD₅₀

Fall Webworm

Larvae = 850 DD₅₀

Fletcher Scale

Adults = 100-200 DD₅₀

Egg hatch = 600 DD₅₀

Crawlers active = 900-1200 DD₅₀

Gypsy Moth

Egg hatch = 100-200 DD₅₀

Larvae = 200-350 DD₅₀

Hawthorn Leafminer

Larvae = 275-500 DD₅₀

Honeylocust Plantbugs

= 100-200 DD₅₀

Imported Willow Leaf Beetle

= 200-350 DD₅₀

Japanese Beetle

Adults = 900-1200 DD₅₀

Mountain Ash Sawfly

= 500 DD₅₀

Oystershell Scale (brown race)

Egg hatch = 265 DD₅₀

1st generation crawlers = 275-500 DD₅₀

2nd generation crawlers = 1600-1700 DD₅₀



Oystershell Scale (grey race)

1st generation crawlers = 400-600 DD₅₀

Pine Needle Scale

1st generation crawlers = 200-350 DD₅₀

2nd generation crawlers = 1600-1700 DD₅₀



Pine Spittlebug

1st generation egg hatch = 145 DD₅₀

2nd generation egg hatch = 1500 DD₅₀

2nd generation crawlers = 1500-1600 DD₅₀



Spruce Spider Mite

= 100-200 DD₅₀

Taxus Mealybug

= 275-500 DD₅₀

Viburnum Crown Borer

1st instar larvae = 500-600 DD₅₀

Zimmerman Pine Shoot Moth

1st generation larvae (1st instar) = 100 DD₅₀

2nd generation larvae (1st instar) = 2700-2900 DD₅₀

For more information on phenology: See University of Wisconsin Garden Facts X1085, X1086 and X1087, or contact your county Extension agent.