

Degree Days for Common Landscape Insect Pests

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Cooley Spruce Gall Adelgid

Adults = 50-100 DD₅₀
 Egg hatch = 210 DD₅₀
 Galls forming = 250 DD₅₀
 2nd generation nymphs = 2800-3000 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



European Pine Shoot Moth

Spring larvae active = 50-100 DD₅₀
 Adults = 900 DD₅₀
 Egg hatch = 200-100 DD₅₀

Zimmerman Pine Shoot Moth

1st generation larvae (1st instar) = 100 DD₅₀
 2nd generation larvae (1st instar) = 2700-2900 DD₅₀

European Pine Sawfly 1st instar larvae = 50-100 DD₅₀

Pine Spittlebug

1st generation egg hatch = 145 DD₅₀
 2nd generation egg hatch = 1500 DD₅₀
 2nd generation crawlers = 1500-1600 DD₅₀



Ash Plantbug nymphs = 100-200 DD₅₀

Honeylocust Plantbugs = 100-200 DD₅₀

Spruce Spider Mite = 100-200 DD₅₀

Imported Willow Leaf Beetle = 200-350 DD₅₀

Pine Needle Scale

1st generation crawlers = 200-350 DD₅₀
 2nd generation crawlers = 1600-1700 DD₅₀



Gypsy Moth

Egg hatch = 100-200 DD₅₀

Larvae = 200-350 DD₅₀

Ash Borer 1st instar larvae = 275-500 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



Taxus Mealybug = 275-500 DD₅₀

Birch Leafminer 1st generation larvae = 275-500 DD₅₀

Hawthorn Leafminer larvae = 275-500 DD₅₀

Elm Sawfly larvae = 365 DD₅₀

Elm Leaf Beetle larvae = 400-500 DD₅₀

Black Vine Weevil

1st generation adults = 400-600 DD₅₀

2nd generation adults = 900-1000 DD₅₀



Bronze Birch Borer larvae = 400-500 DD₅₀

Mountain Ash Sawfly = 500 DD₅₀

Euonymus Scale crawlers = 500-700 DD₅₀

Viburnum Crown Borer 1st instar larvae = 500-600 DD₅₀

Fletcher Scale

Adults = 100-200 DD₅₀

Egg hatch = 600 DD₅₀

Crawlers active = 900-1200 DD₅₀

Cottony Maple Scale

Egg hatch = 850 DD₅₀

Crawlers = 900-1200 DD₅₀

Fall Webworm larvae = 850 DD₅₀

Japanese Beetle adults = 900-1200 DD₅₀



See related fact sheets:

Phenology

Degree Day Calculation