



# TREE DISEASES CAUSED BY INSECTS

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Tree Disease (Insects)	Recommended Injection Treatments				Trees Affected
	Abacide	Imicide	Dinocide	Stemix	
Adelgid		X	X	X	several species of hemlock, spruce and Douglas Fir
Aphids	X	X	X	X	Most all species of trees host at least one species of aphid.
Ash Plant Bug	x				Green, White and Black ash trees
Asian Cycad Scale		X	X	X	Some species of palms and cycads
Asian Longhorn Beetle		X		X	Maples, Horse Chestnet, Elm, Willow, Poplar and others
Bag Worm	X			X	Arborvitae, Juniper, Pine, Spruce, Locust, Sycamore
Birch Leaf Miner		X	X	X	Birch
Black Turpentine Beetle	X			X	Most Pines, occasionally larch and spruce
Black vine weevil		X	X	X	Yew, Hemlock, Rhododendrons, Azalea, Mountain Laurel, Sweetgum and others
Bronze Birch Borer		X	X	X	Birch
Brown Tail Moth	X			X	extensive host range of broadleaf trees and shrubs
Calico scale		X	X	X	wide variety of deciduous trees
California Oakworm	X			X	All species of Oak trees
California Tent Caterpillar	X			X	wide variety of deciduous trees
Cedar Bark Beetles	X			X	cedar, cypress, cryptomeria, junioers, sequoia, arborvitae
Citrus Longhorned Beetle		X	X	X	Many species of hardwoods, fruit trees and woody ornamental plants.
Clear-winged moth borers	X			X	wide variety of deciduous trees
Cooley Spruce Gall Adelgid		X	X	X	several species of hemlock, spruce and Douglas Fir
Cottonwood Borer		X	X	X	cottonwood, poplar, aspen, willow
Cottony Maple Scale		X	X	X	most common Silver and Red maples, other species of decedious trees
Cycad Scale		X	X	X	several species of cycads
Cypress Bark Beetle	X			X	cedar, cypress, cryptomeria, junipers, sequoia, arborvitae
Douglas Fir Cone Moth larvae	X			X	Douglas fir
Douglas Fir Engraver beetle	x				Douglas fir
Douglas Fir Gall midge	x				Douglas fir
Eastern Spruce Gall Adelgid		X	X	X	Norway spruce, Colorado blue, white and Red spruce.
Eastern Tent Caterpillar	X			X	Maple, Hawthorne and ornamental fruit trees
Elm Leaf Beetle	X			X	elm and zelkova
Elm Leaf Miner	x	x	x		elm trees
Elongate Hemlock Scale		X	X	X	hemlock, fir and spruce
Emerald Ash Borer		X		X	ash trees (Fraxinus sp.)
Engraver Beetle	x				pine and spruce
Eucalyptus Longhorned Borers		X	X	X	eucalyptus
European Pine Sawfly	x				Pines, Austrian, Jack, Mugo, Red, Scotch and White
Fall Webworm	X			X	most deciduous trees
	Abacide	Imicide	Dinocide	Stemix	
Flathead Borer		X	X	X	many hardwood and conifer trees
Gypsy Moth, Spongy moth	X			X	many different trees
Hackberry Psyllid		X	X	X	hackberry trees
Hemlock Woolly Adelgid		X	X	X	all species of hemlock.
Honey Locust Plant Bug	x				honey locust
IPS Beetle	x				pine and spruce
Japanese Beetle		x	x		many different trees and shrubs
Lacebug	x	x	x		many different deciduous trees and shrubs
Leaf Miner	x	x	x		many different deciduous trees and shrubs
Leafhoppers		X	X	X	elm, honey locust, poplar, sycamore, ornamental fruit and other trees
Lecanium scale		X	X	X	primarily oaks, birch and hickory. Other trees and shrubs may be affected .
Lerp Psyllids		X	X	X	many different species of tree s
Magnolia Scale		X	X	X	Magnolias, primarily, Saucer, star and lily magnolias.
Mealybug		X	X	X	many different species of plants.
Mimosa Webworm	X			X	Honey locust and Mimosa
Mountain Pine Beetle	X			X	pine trees
Nantucket Pine Tip Moth	X			X	pine trees
Obscure Scale		X	X	X	many different species of trees
Oystershell Scale		X	X	X	over 130 plant species
Pine Bark Beetles	X			X	Jack, Red, white pine and spruce
Pine Engraver Beetles					pine t
Pine Needle Scale		X	X	X	Pine, Cedar. Douglas fir, juniper and spruce
Pine Tent Caterpillar	X			X	Maple, Hawthorne and ornamental fruit trees
Pine Tip Moth larvae	X			X	pine
Pine Tortise Scale		X	X	X	pine
Pine Wilt Nematode	X			X	pine
Pit Scales		X	X	X	commonly found on white and black oaks many other trees
Plantbugs					honey locust
Psyllids		X	X	X	many different species of trees
Red Turpentine Beetles	x				primarily on pines, infrequently other conifers.
Redwood Bark Beetles	X			X	cedar, cypress, cryptomeria, junipers, sequoia, arborvitae
	Abacude	Imicide	Dinocide	Stemix	
Roundheaded Borers	X			X	many different species of trees
Royal Palm Bug		x	x		Royal palm trees
Rugose Spiraling Whitefly		X	X	X	Palms, woody ornamentals, ornamental fruit trees
Sawflies		X	X	X	many different trees and shrubs
scale insects, soft shell		X	X	X	many different trees and shrubs
Scolytid Bark Beetles	X			X	pine and spruce
Scurfy Scale		X	X	X	many different trees and shrubs
Southern Pine Beetle	X			X	pine trees
Spider Mites (Broadleaf)	X			X	most broadleaf plants
Spider Mites (Conifers)	X			X	Most conifer trees
Spongy Moth / Gypsy Moth	X			X	many different trees
Spotted Lantern Fly		X	X	X	many different fruit, ornamental and woody trees.
Spruce Bud Scale		X	X	X	Primarily Norway spruce, other spruces and occasionally pines.
Spruce Budworm	X			X	Many different Spruce, larch and hemlock
Sycamore Borer	x				Western Sycamore and coast live oak
Sycamore Lace Bug	x	x	x		many different deciduous trees and shrubs
Sycamore Plant Bug	x				Sycamore and London Plane trees
Thrips	x	x	x		many different trees
Tuliptree scale		X	X	X	Tuliptree, other trees including yellow popular, magnolia and linden.
Turpentine Beetles	X			X	Different species of pine trees
Western Pine Beetle	X			X	Coulter and Ponderosa pine
Western Sycamore Borer	X			X	Western Sycamore and coast live oak
Whiteflies		X	X	X	many varieties of ornamental plants and trees.
Winter Moth	X			X	many different trees
	Abacide	Imicide	Dinocide	Stemix	
<b>NOTE: Dinocide works fater. Imicide lasts longer.</b>					