



A MATTER OF SCALE

Scale species by host type

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Evergreen conifers

Armored scale:

Pine needle scale, *Chionaspis pinifoliae*

Pine, spruce, fir, hemlock and Douglas fir.

Black pineleaf scale, *Nuclaspis californica*

Pine, spruce (rarely)

Juniper scale, *Carulaspis juniperi*

Juniper, cypress, incense cedar, false cypress, cryptomeria, arborvitae, western red cedar, redwood

Hemlock scale, *Abgrallaspis ithacae*

Eastern hemlock, spruce (esp. blue)

Elongate hemlock scale, *Fiornia externa*

hemlock

Soft scale

Cottony camellia scale, *Pulvinaria floccifera*
yew.

Fletcher scale, *Parthenolecanium fletcheri*

Juniper, arborvitae, baldcypress, and yew

Spruce bud scale, *Physokermes hemicyphus*

Alberta and Norway spruce, yew,

Evergreen broadleaved

Armored scale

San Jose scale, *Quadraspidiotus perniciosus*

English laurel

Euonymus scale, *Unaspis euonymi*

Euonymus spp., Pachysandra, holly, ivy, privet, boxwood, *Camellia*, *Daphne*, *Jasminum*, *Lonicera*

Holly scale, *Dynaspidiotus britannicus*

Boxwood, holly

Soft scale:

Brown soft scale, *Coccus hesperidum*

Begonia, camellia, citrus, gardenia, *Ficus*, English ivy, polystichum, and vinca.

Cottony camellia scale, *Pulvinaria floccifera*

Abutilon, Camellia, *Callicarpa*, English ivy, euonymus, holly, jasmine, pittosporum, yew

Cotton cushion scale, *Icerya purchasi*

Nandina, citrus, laurel, liquidamber, maple, pittosporum, Boston ivy, rhododendron, sage, willow, nut trees, and stone fruits

Azalea bark scale, *Eriococcus azaleae*

Andromeda, azalea, rhododendron, blueberry

Lecanium scales, *Parthenolecanium* spp

A wide variety of trees and shrubs including rhododendron

Deciduous broadleaved

Armored scales

Euonymus scale, *Unaspis euonymi*

Euonymus spp., Pachysandra, holly, ivy, privet, boxwood, *Camellia*, *Daphne*, *Jasminum*, *Lonicera*, and *Prunus*

Oystershell scale, *Lepidosaphes ulmi*

Alder, apple, aspen, ash, beech, birch, boxwood, camellia, cherry, cotoneaster, dogwood, elm, heather, holly, magnolia, maple, oak, pear, *Photinia*, poplar, willow, viburnum and lilac.

San Jose scale, *Quadraspidiotus perniciosus*

Apple, alder, ash, birch, buckthorn, cherry, rose, pyracantha, cotoneaster, crabapple, dogwood, elm, hawthorn, linden, maple, peach, *Photinia*, and willow

White peach scale, *Pseudaulacaspis pentagona*

Privet, mulberry, catalpa, chinaberry

Pit scale

Oak pit scale, *Asterolecanium variolosum*

Oaks

Oleander pit scale, *Asterolecanium pustulans*

Fig, lantana, magnolia, oleander, bougainvillea, mulberry

Soft scales

Brown soft scale, *Coccus hesperidum*

Apple, apricot, cherry, dogwood, peach, plum

Cottony maple scale, *Pulvinaria innumerabilis*

Box elder, Maples (especially silver), alder, beech, dogwood, euonymus, hackberry, honeylocust, hawthorn, linden, mulberry, oak, peach, plum, pear, oak, black locust, rose, sumac, sycamore, willow, lilac

Sycamore scale, *Stomacoccus platani*

sycamore

European elm scale, *Gossyparia spuria*

elm

Lecanium scales, *Parthenolecanium* spp

A wide variety of trees and shrubs including barberry, *Daphne*, dogwood, *Photinia*

European fruit lecanium, *P. corni*

Stone fruit, redbud, elm, maple, poplar, and willow.

Oak lecanium, *Parthenolecanium quercifex*

Oak, beech, sycamore, hickory

Greenhouse

Citrus mealybug, *Planococcus citri*

Apple, citrus, coleus, *Ficus*, fuchsia, gardenia, philodendron, rose, stone fruits, many foliage plants used in interiorscapes

Longtailed mealybug, *Pseudococcus longispinus*

Begonia, citrus, dracaena, gardenia, ivy, impatiens, philodendron, tomato, coleus, poinsettia, fig, fuchsia, ferns, pyracantha, holly, yew, and rhododendron

Pink Hibiscus mealybug, *Maconellicoccus hirsutus*

Wide host range with many fruits, ornamentals, even vegetables

Soft scales

Brown soft scale, *Coccus hesperidum*

Agave, begonia, citrus, dizygotheca, euphorbia, gardenia, nerium, nephrolepis, peperomia, polystichum, vinca, yucca

Hemispherical scale, *Saisettia coffee*

Ferns, chlorophytum, diszygotheca, Aphelandra, begonia, citrus, croton, cycad, euphorbia, *Ficus*, gardenia, gynura, nephrolepsis, polystichum, schefflera

Others species of note

Mealybugs

Medeira mealybug, *Phenacoccus madeirensis*

Aralia, chrysanthemum, English ivy, geranium, gynura, hollyhock, ixia, lantana, and poinsettia

Maple mealybug, *Phenacoccus acericola*

Maple, buckeye, basswood, viburnum

apple mealybug, *Phenacoccus aceris*

pyracantha, apple, cotoneaster, mulberry, mountain-ash, maple, basswood

Japanese mealybug, *Phenacoccus japonicus*

azalea

Cypress bark mealybug, *Ehrhornia cupressi*

Monterey cypress

Noxious bamboo mealybug, *Antonina pretiosa*

bamboo

Grape mealybug, *Phenacoccus maritimus*

Pear, grape, catalpa, yew, honeylocust, hackberry.

Obscure mealybug, *Pseudococcus viburni*

More than 50 genera of hosts including ornamentals

Vine mealybug, *Planococcus ficus*

grape, apple, fig, citrus, banana, avocado, date, malva, burclover black nightshade, sowthistle and lambsquarter

Comstock mealybug, *Pseudococcus comstocki*

Apple, boxwood, citrus, pear, elm, *Eleagnus*, peach, privet, mulberry, maple, hibiscus, Boston ivy, catalpa, buckeye, euonymus, olive, *Paulownia*, persimmon, *Photinia*, pine, poplar, viburnum, wiegela, wisteria, yew.

Soft scale

Citricola scale, *Coccus pseudomagnoliarum*

Citrus, elm, hackberry, pomegranate, walnut

Black scale, *Saissetia oleae*

Ficus, citrus, olive, holly, pittosporum, rose, peppertree

Nigra scale, *Parasaissetia nigra*

Japanese aralia, English ivy, English holly, oleander, orange-berry, pittosporum, hibiscus.

European peach scale, *Parthenolecanium persicae*

Honeysuckle, grape, barberry, euonymus, silk tree

Frosted scale, *Pathenolecanium pruinosum*

Host range similar to European fruit lecanium

Calico scale, *Eulecanium cerasorum*

Stone fruits, many vines, crabapple, elm, pyracantha, honeylocust, maple, dogwood

Magnolia scale, *Neolecanium cornuparygium*

Magnolia

Wax scale

Barnacle scale, *Ceroplastes cirripediformis*

Gardenia, citrus, euonymus

Hard scale

Tea scale, *Fiornia theae*

Camellia, Chinese and Japanese holly, tea plant, euonymus, ferns, bottlebrush, dogwood

fern scale, *Pinnaspis aspidistrae*

Ficus, hibiscus, citrus, magnolia, liriope, acacia

Greedy scale, *Hemiberlesia rapax*

Citrus, ivy, acacia, boxwood, cactus, ceanothus, fruit trees, holly, laurel, magnolia, palm, peppertree, pittosporum, pyracantha, redbud

References:

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