

SCALE INSECTS

What to Look For

Scale is an insect that may be hard to detect by the untrained eye. Once you know what to look for it, can easily be found.

Euonymus Scale

Male scales are small, slender and chalky-white. Females are pear shaped, brown, and twice the size of the males and overwinter on the host plants. They are found on all varieties of euonymus and will infest bittersweet and pachysandra. The first young hatch in late May/early June. Apply *Dormant Spray* in March when temps are above 35 to prevent some from hatching. Spray infested plants with *Bonide Systemic Insect Spray* or *Bonide Eight* in late May and repeat every 3 or 4 weeks until late August.



Oystershell Scale

These insects have a gray-brown waxy covering resembling a tiny oyster shell and can occur on many deciduous trees and shrubs. The insects become so numerous that the stems are encrusted. Continued sap feeding by the scales cause branches to become spindly and leaves to turn yellow, eventually killing the plant. Apply *Dormant Spray* in March when temps are above 35 to prevent some from hatching. Eggs hatch from late May to mid-June. They begin feeding by inserting a thread-like tube into the stem. The most effective control is to spray twice beginning with the egg hatch. This is usually between June 1st and June 15th. If the spring is unusually warm, begin spraying 7 to 10 days earlier. If observed after June 15th, apply a third spray. Use *Bonide Eight* or *Fertilome Broad Spectrum Insecticide*. >>>

Pine Needle Scale

Mature scales are small, slender and chalky white while the female is almost twice the length of the males. Heavy infestations cause pine or spruce needles to turn yellow and cause death of individual branches. The insect winters in the egg stage under the scale covering of the dead female. Eggs hatch about the time new growth starts in the spring. The newly hatched crawlers move to green needles, begin feeding and produce the typical white covering. Insecticides should be used during the hatching period for maximum efficiency. *Bonide Systemic Insect Spray* or *Bonide Eight* should be used when crawler stage occurs about June 1st and again August 20th.



Detecting Crawlers

Control will be best if sprays are applied when the crawler (newly hatched) stage is present. Scale crawlers are minute, yellow, oval shaped insects. They are barely visible to the unaided eye, so regular examination should be made with a magnifier. Crawlers are only mobile during the first stage of development. For Oystershell and pine needle scales, examine infested branches or leaves every 5-6 days beginning May 15th. Apply the first spray when the first crawlers are observed. After 10 days, spray again.

