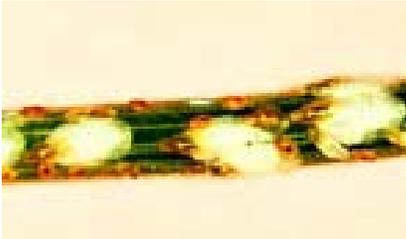


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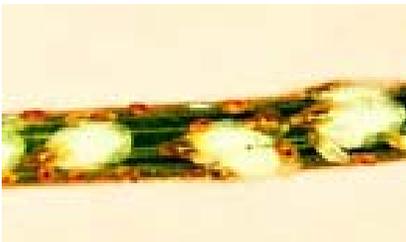
lady beetle feeding on scale



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lady beetle feeding on scale



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pine needle scale

Chionaspis pinifoliae

The pine needle scale, can disfigure trees and stunt growth. High populations of this insect can cause death of needles or twigs, and the death of whole (young) trees. The pine needle scale feeds on needles of conifers including Scots, mugo, Austrian, and red pines and less often on spruce and Douglas-fir.

Adult females appear as white flecks on the needles. Females bear eggs in late summer that hatch the following spring, some time between mid-May and early June. Two generations usually occur each year. The bright red pine needle scale crawlers are very tiny (less than 1/32 inch long), and look like red dust against the dark green needles. Female crawlers settle in one place where they feed, while forming and enlarging a protective covering, until they reach maturity and lay eggs.

The black lady beetle pictured on the front side is a predator of the pine needle scale and is a natural control vector.

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