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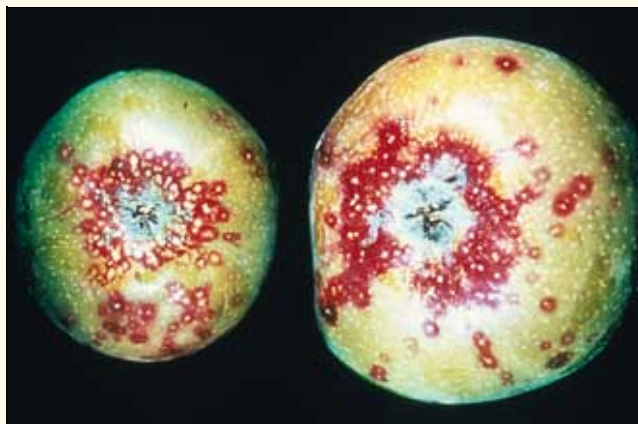
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San Jose scale - *Quadraspidiotus perniciosus* (Comstock)

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San Jose scale multiplies very rapidly and may attack tree bark, leaves and fruit. Scale can kill twigs and limbs, and make fruit unmarketable. If left unchecked, San Jose scale can kill the tree.

Monitoring: Pheromone traps can be used to monitor adult emergence in blocks that are known to be infested. Place traps prior to pink. Yellowish crawlers generally are present 300-350 GDD(base 50) after the first adult catch of either generation.



Feeding on fruit produces red spots often associated with slight depressions.



The adult male has 2 wings, and is yellow-colored with long antennae. Females are wingless, spherical insects found under a waxy coating with a raised nipple in the center.



San Jose scales overwinter under-neath waxy shells as nymphs on rough wood and near the trunk on scaffold limbs.

Additional information

- For more monitoring information and evaluation of available pesticides:
[Michigan Fruit Management Guide](#)
- [A Practical Guide to Scouting Apple Orchards](#) – a DVD showing how to scout apple orchards.