MONITORING GUIDE

California Red Scale (CRS)  
Aonidiella aurantii

Traps | Suterra® Scale Trap *(shown at right)*
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Lures | Suterra® CRS Septa Lure *(shown at right)*
Trap Density | At least 1 pheromone trap per 5 - 20 acres, minimum of 2 traps per block
Good Practices | Hang traps in early Feb/Mar to detect early activity, and continue to trap until late Oct/Nov
| Hang traps on the inside of the tree canopy, away from CheckMate® CRS Dispensers
| Check traps and record captures a minimum of once every 2 weeks
| Replace traps at every check
| Replace lures monthly

Sources: UC IPM Guidelines, UC Statewide IPM Project

Pest Identification

**Adult Males**  
1.0 - 1.3 mm length  
*(1/20th in.)*

- Males have 2 wings and 6 legs
- Body is oval in shape and yellow or amber in color
- Large eyes and long antennae
- A red band in the dorsal part of the abdomen is key for identification
- A lens or microscope may be necessary

Source: UC IPM Guidelines  
idtools.org/id/citrus/pests

Common Misidentified Insects

**Aphytis lepidosaphes**  
(a purple scale parasitoid)  
2 mm  
*(1/16th in.)*

- Tiny yellow wasp with short antennae, no red line across abdomen, large eyes and two pairs of wings

Source: UC Statewide IPM Project

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The use of Mating Disruption tools should be part of an overall Integrated Pest Management (IPM) program. The use of other pest control measures may be necessary and should be based on proper pest monitoring and field scouting.

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**CRS Crop Damage Assessments**

| Timing | Monthly June - Oct. during growing season: survey fruit and branches |
| Sample Size and Examination | 20 trees per block, 25 fruits per tree OR 10 branches |
| | Count and record number of scales per sample |
| | Color of scales is orange to brown |
| | Adult females are approx 2.5mm (0.1”) in diameter |

**Additional Techniques**

- Use local degree-day models to know which CRS forms to expect

**Sources:** UC IPM Guidelines

**Additional Resources**

**Degree Day Models**
1. UC IPM: [http://ipm.ucanr.edu/WEATHER/index.html](http://ipm.ucanr.edu/WEATHER/index.html)