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# Citrus—Citricola Scale Monitoring

## Supplement to UC IPM Pest Management Guidelines: Citrus

Grower: \_\_\_\_\_ Block: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Check for citricola scale at all times of the year when monitoring for other scales. Look especially closely at the twigs in April-May and at the underside of leaves in August-September. Be sure to distinguish live citricola scale from dead citricola scale.

### How to monitor during April through May

1. Examine one 24-inch twig on the northeast side of 10 trees in each of four rows distributed throughout the orchard and count the number of scales per twig (total scales counted/40 twigs).
2. If more than one scale per twig and heavy production of sooty mold is occurring, the orchard may require an immediate treatment.
3. If the population on twigs or leaves is observable but sooty mold is not a problem, then it is best to postpone treatments until late summer when scales are generally easier to control.

### How to monitor during August through September

1. Walk down four evenly spaced rows of the block.
2. In each row, pick one leaf from the northeast corner of 25 trees.
3. Examine the scale on the underside of the leaf to determine if they are alive or dead.
4. Count the number of leaves in the 25-leaf sample that are infested with live scale (presence-absence sampling) and record counts below.
5. A treatment is warranted if one or more of the four rows has 13 or more leaves infested with live citricola scale in a 25-leaf sample.
6. If 5 to 12 leaves are infested, the population is building and should be watched very closely.
7. If four or fewer leaves are infested, then a treatment is not needed this season.
8. Alternatively, count the number of nymphs on those 100 leaves (4 rows x 25 leaves) and if there are more than 0.5 nymphs per leaf then treatment is needed.

Sample area	# infested leaves per 25 leaf sample	1-4 Don't treat	5-12 Possibly treat	13-25 infested Treat
Row 1				
Row 2				
Row 3				
Row 4				