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Avocado—Persea Mite and Sixspotted Mite Damage Sampling

Supplement to UC IPM Pest Management Guidelines: Avocado

Grower _____ Date _____

Field location _____ Comments _____

Directions:

1. Monitor for mite-damaged leaves; include locations from previous seasons that experienced premature drop of numerous green leaves with discolored spots due to mite feeding.
 - a. Pick leaves of mixed age at random from the tree, choosing 10 leaves from each of at least 10 trees per grove.
2. Visually estimate the percent of mite-damaged tissue on each leaf by comparing it to standards with known levels of damage, such as colored photographs of avocado leaves showing 1 to 50% feeding damage.
3. For each tree, total the percent damage on the 10 leaves, then total the percent damage on all trees.
4. Calculate the estimated average percent damage per leaf: Total percent damage / Total number of leaves sampled (e.g., 100 leaves) = Average percent mite damage per leaf.

Tree	Estimated percent mite damage on each of 10 leaves per tree										Total percent damage per tree (sum from 10 leaves)
	1	2	3	4	5	6	7	8	9	10	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
Total percent damage on all sample leaves:											
Average percent mite damage per leaf: (= Total percent damage / Total number of leaves sampled)											