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# Strawberry—Mite Survey

***Supplement to UC IPM Pest Management Guidelines: Strawberry***

**Grower**_____ **Date sampled**_____

**Field location**_____ **Date planted**_____

**Comments**_____

## Directions

**Summer plantings**: Begin monitoring when two or three leaves are present. Monitor every other week until mites begin to increase, then monitor weekly.
**Fall plantings:** Begin monitoring when the first leaf is fully expanded. Monitor every other week until mites begin to increase or daytime temperatures reach 68° to 70°F consistently in the spring.

Monitor as a block each section of the field you plan to treat separately as an individual unit. Monitor field edges, especially upwind edges, and warmer parts of the field separately.

1. Walk through all parts of each block, collecting sample leaflets at random.
2. Early in the season, remove one leaflet from the oldest fully expanded leaf on each sampled plant. After plants have 10 to 15 leaves, collect one leaflet from a mature leaf in the middle tier of each sampled plant.
3. Collect at least 5 leaflets per acre. If fields are small or there is a lot of variation in field characteristics among blocks, collect at least 10 leaflets per acre.
4. Use a hand lens to count spider mites and predators. If using a mite brushing machine, look for predators when collecting leaflets then bag all leaflets from each block for brushing later.
5. Record the number of leaflets collected from each block and the counting results.
6. Refer to the UC Pest Management Guidelines for treatment thresholds and information on treatment alternatives.

| Block | Cultivar | Treatment / treatment date | # leaflets counted | Total # spider mites | # mites per leaflet | # leaflets with predators | Total # predatory mites | # predatory mites per leaflet |
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