



www.ipm.ucdavis.edu

## Prune—Timed Searches for Webspinning Mites

### Supplement to UC IPM Pest Management Guidelines: Prune

- Directions:**
1. In each orchard up to 40 acres, conduct two 5-minute searches in separate areas of the orchard, for a total sampling time of 10 minutes.
  2. For each 5-minute search, examine at least 2 to 3 leaves on 10 trees, using a stop watch or kitchen timer to time yourself. Select trees in dusty areas or other known hot spots or trees with bronzing or unthrifty appearance.
  3. Each week, select another dusty location or hot spot to sample. Once mites have been found, observe the same trees weekly to track populations.
  4. Monitoring may stop once a treatment has been applied or after July 15.

**Grower/Orchard:** \_\_\_\_\_

Date	Search	Webspinning mites						Predators		
		None	Light	Light/ Moderate	Moderate	Moderate/ High	High	Low	Moderate	High
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									
	1 <sup>st</sup> 5 min									
	2 <sup>nd</sup> 5 min									

#### Mite ratings

- **light**—an occasional mite on occasional leaf; mites generally hard to find; less than one mite per leaf
- **light/moderate**—mites easier to find but no colonies or webbing and few eggs; two to four mites per leaf
- **moderate**—some leaves without mites, but other leaves with small colonies; eggs easy to find but very little webbing present
- **moderate/heavy**—mites on most leaves, colonies with eggs and webbing on some leaves
- **heavy**—lots of mites on most leaves; eggs and webbing abundant

#### Predator ratings

- **low**—hard to find; less than one predator per six leaves
- **moderate**—easier to find; one predator per three leaves
- **heavy**—one or more predators per leaf

#### Treatment decision

Treat when the average rating from both 5-minute searches indicates:

- light/moderate mite rating with low predator rating, **or**
- moderate mite rating with moderate to high predator rating