



Monitoring Vine Mealybug with Pheromone Traps In California North Coast Vineyards *Spring 2006*

Trap Type and Assembly

- Use a red delta trap plus a lure containing the vine mealybug pheromone.
- Assemble trap by folding in the side edges to reduce the size of the openings.
- Place the rubber septum containing the pheromone (lure) inside the trap on top of the sticky coating on the bottom panel.

Trapping season

- Place traps in your vineyard beginning in June.
- Continue trapping through December or until the first rain.
- In the North Coast, most male vine mealybugs are trapped in September and October. However, the sooner you find an infestation before harvest the more options you have to reduce the population.

Trap density

If you have never trapped before, or if the previous year's trap results were negative:

- Place one trap per 30 acres of vines (or per vineyard if smaller).

If you have trapped male vine mealybugs but have not found the infestation, or if there is a high risk that your vineyard will become infested:

- Increase the trap density to one trap per 10 acres.

Trap Placement

- Tie the trap to the trellis wire near or just above the fruit level.
- Place the trap at the center of the block for surveying the largest area possible.
- Place additional trap in a high traffic area or on the edge of your property if you suspect vine mealybug may enter your vineyard on contaminated equipment or from an adjacent vineyard.

Labeling Traps

- Label the trap with the block name and row number where the trap was placed and the dates it was set out in the field and removed.

Checking Traps

- Check traps every other week or once a month. You must use a stereo microscope to identify male mealybugs. Close-up photos of vine mealybugs and other insects commonly caught on a trap are in the document *Identifying Male Vine Mealybugs in a Pheromone Trap**
- Lures are effective for a maximum of 8 weeks.
- Replace the trap when it becomes soiled.

* This and other documents regarding mealybugs can be found at <http://cesonoma.ucdavis.edu>