

## Trapping Procedures for Vine Mealybug

**TRAP PROTOCOLS FOLLOWED FOR 2003 STATE SURVEY.  
NO REGULATORY ACTION WILL BE TAKEN THIS YEAR.**

### Trapping Season

- Traps may be deployed when the buds begin to push in the spring (could be as early as February). All traps should be in place by bloom or at the latest, in May. The traps can be removed from the vineyard in November or December.

### Buying Traps

- Pherocon Delta IIID (red delta trap) with a lure containing 100µg of pheromone (standard load) should be used.
- Place one trap in each 20 acres of vineyards. For smaller (< 20 acres) vineyards, place one trap per vineyard.
- We are providing the following information for the convenience of those trapping for VMB and providing the information does not constitute an endorsement by the County of San Luis Obispo, CDFA or the State of California. The cost of a single pheromone trap including lure is about \$5.50. Further information is available at [www.suterra.com](http://www.suterra.com).

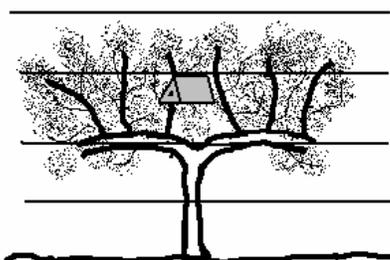
*Western Farm Service-Paso Robles*  
805-238-3825

*Farm Supply-S.L.O.*  
543-3751

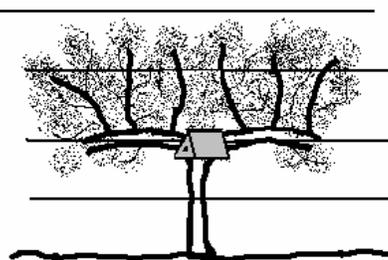
*Farm Supply-Paso Robles*  
238-1177

### Placing Traps

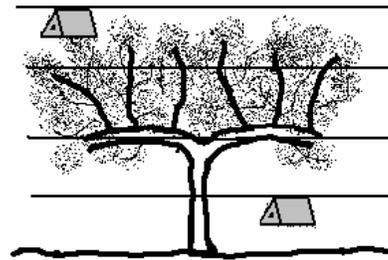
- Traps should be placed near high traffic areas of the vineyard (end of roads or near intersections), near equipment storage areas or field shops, riparian areas, and replants.
- Traps should be placed a few vines (6-10) in from the end of a row.
- Traps should be hung at or above the cordon and near the center of the vine (i.e., over top of the trunk), at least four feet off the ground. The ends of the trap should be free from obstructions like fruit or leaves. See the drawing below:



**CORRECT!**



**CORRECT!**



**INCORRECT**

### Identifying Traps

- Each trap placed in the field must have a unique trap number. **The vineyard name (or grower name) and trap number should be written with a black sharpie marker. The date of placement should also be recorded.**



## Checking Traps

- Traps should be inspected every two weeks during the growing season, or at least once a month.
- Lure should be replaced every two months or as recommended by the manufacturer.
- **Please note; if large numbers of male mealybugs are found in the trap DO NOT go to another trap within that vineyard or to another vineyard until you have showered and changed clothes. Large numbers of male mealybugs within the trap indicate a large infestation of the mealybug. DO NOT accidentally spread crawlers (first instars) within or among vineyards.**

## Positive Finds

If you believe you have male vine mealybugs in a trap, you may bring it to the County Agricultural Commissioner's (CAC) Office for submittal to the CDFA lab. VMB traps should be placed in plastic bags and submitted to the CAC in their entirety.

## Relocation

- Relocation of a trap should be done only if the trap is impeding vineyard practices, has been destroyed, or after a positive find of female mealybugs.
- The CAC's Office can advise growers on possible relocation of traps.

## Instructions for Completing VMB Data Sheets

**Please turn in a copy of the Trap Data sheet(s) to the CAC once a month so we can track VMB locations in San Luis Obispo County.** Mail or fax a copy of your data sheet to the Paso Robles District Office at 1734 Paso Robles Street, Paso Robles, CA 93446, Fax: 805-237-3088.

- **Identification (Name, Address, Phone):** Use the vineyard name or name on your pesticide permit from the county—the name by which the CAC's Office knows you. For location, please give a street address, if possible. If not possible, write a short description of where the trap is located, based on named roads. A phone number is requested for contact if samples are brought to the office.
- **Trap Number:** Each trap must have a unique number. Write the trap number in the top row of the table next to the word "Trap". There is room for eight traps per page. Make copies as necessary to accommodate all of the traps.
- **Table with Date, Activity, and Number of VMB:** In this table, please record each time the trap is visited and what was done. The date of the visit is put in the column under date. For the activity, use the symbols at the bottom of the sheet to describe what was done. If you believe you see male VMB in the trap, please record the number of male VMB that you think you see in the trap. (If there are many, estimate the number to the best of your ability).
- **History of Vines:** This information is being collected in an attempt to track VMB methods of movement. Please record the size (in acres) and variety (fruit wood) of the block where the trap is placed. For Age of Vines, if possible, record the year the vineyard was planted. If not, estimate the age of the vineyard. In older vineyards with replants, estimate the age of the old vines **and** the age of the replants. On the data sheet, it may say "old 10 / new 2." For %Re-Plant, estimate the percent of replants in the block being trapped.
- **Global Positioning System (GPS) Units, Datum:** The State has requested GPS information if it is available. If you have GPS and can provide this information, please give GPS coordinates and the datum of those coordinates. The unit will tell you which datum it uses. This information is important because the different datum measure latitude and longitude a little different. If you do not have GPS, disregard that portion of the form.
- **PDR Number:** The number will be filled in by the CAC's Office if a sample is submitted.
- **Map:** A copy of your map must be on file with the CAC's office. Draw a map of your vineyard and provide at least two roads that could be found on a street map. North should be at the top of the map. If you need an overhead photo to use for your map, contact the CAC's Office to request assistance. Mark trap locations and the number of the trap. Work with the CAC's Office for questions on maps.