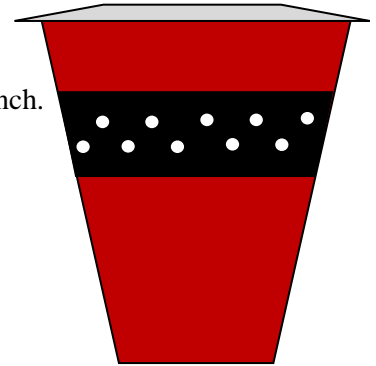


2013 Spotted Wing Drosophila Trapping Suggestions

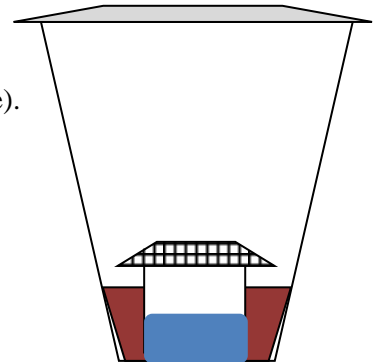
MAKING THE TRAP:

- Use plastic beverage cup (~18 ounce size, red if possible) with lid to keep out rain.
- Place black electrical tape in a horizontal black band around cup about 1 inch from top.
- Punch holes in the cup within the black band, on one side only (so liquid can be poured out.) Holes should be 1/8" diameter to let flies in but keep out larger insects; use a 1/8" paper hole puncher with a long reach; make 40 holes +/- to allow bait odor to escape.
- Use a small container to nest inside red cup with room to spare without tipping over (like a 4 to 6 ounce plastic specimen cup.)
- Cover small container with insect screen or netting (<1 mm mesh.) to allow bait odors to escape but keep flies out.
- Secure a wire through holes on side of cup to hang trap on stake or branch.



PREPARING THE BAIT:

- Mix thoroughly:
 - 12 ounces water
 - 4 tablespoons whole wheat flour
 - 4 tablespoons white sugar
 - 1 tablespoon yeast
 - 1 tablespoon apple cider vinegar (will slow fermentation.)
- Adjust recipe volume to fit needs (make less if only a few traps.)
- Place 2 ounces of bait in the small container (can store excess in fridge).



PREPARING THE DROWNING SOLUTION:

- Mix thoroughly:
 - 4 parts apple cider vinegar
 - 6 parts cheap red wine
 - 2 drops dish detergent.
- Adjust recipe volume to fit needs.
- Add ~4 ounces of solution to cup and then insert small container.

TRAP MANAGEMENT:

- **MUST** place traps in the **SHADE**, among crop leaves.
- Change **BOTH** bait and drowning solution weekly.
- Observe flies in drowning solution for SWD presence.
- Solution can be poured into deli cup for later observation/counting.
- Estimated <30 feet between traps is necessary for trap-out.
- Trap-out not yet proven, may supplement insecticide use.



Revised 6-20-13 by Sarah Kingsley Richards and Vern Grubinger based on information from Heather Faubert, Rich Cowles and the New England SWD team