

# Servicing and Counting Traps for Spotted Wing Drosophila (SWD)



*Drosophila suzukii*, a vinegar fly

For most current information, see central website:  
**Spottedwing.org**

## Servicing:

### Step One: Gather Supplies

- Trap bait (we use apple cider vinegar or yeast; and new baits are being explored)
- Replacement traps and lids in case of damaged traps in the field
- Labeled containers for collecting trapped contents

#### Optional:

- Paintbrush or forceps for collecting flies remaining in traps
- Funnel for directing contents in containers
- Pencil for recording observations

### Step Three: Reset traps in the same place they were in order to compare weekly trap counts



### Step Two: Collect and Refill Trap Baits



## Counting Traps:

### Step One: Gather Supplies



- A container with a mesh top or a colander for straining insects out of bait
- A shallow white tray
- A x10 hand lens, an OptiVisor, or a dissecting microscope to easily see and properly identify SWD, especially females

#### Optional:

- Paintbrush for lining flies up in easy to count rows
- Forceps
- Hand tally counter for counting large numbers of flies

## Counting Traps continued...:



**Step Two:** Strain insects from collection container



Or place screen/cheesecloth in a labeled plastic bag and count back at lab.

**Step Three:** Place contents into white tray with a teaspoon of water. The water allows better movement of insects and helps to see ID features more clearly



**Step Four:** Identify SWD males and females and count. Use a tally counter to keep track of numbers

- There may be other insects in the contents, including other *Drosophila* species, so be sure that you can correctly identify *Drosophila suzukii*

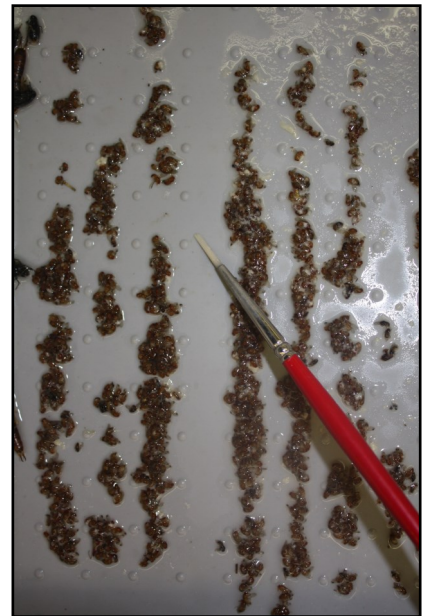


Female SWD



Male SWD

- Lining insects up in rows may make it easier to count large traps



- Depending on your confidence in correctly identifying SWD, you may choose from a number of magnification tools; from top: hand lens, OptiVisor, dissecting microscope