



Spotted Wing Drosophila (SWD) Monitoring

Trece Pherocon SWD STKY trap and lure

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In 2023, the NY SWD monitoring network tested and obtained good results with the Trécé, Inc. PHEROCON red sticky card traps and Peel-Pak lures.

Set two baited traps on the edge of the crop near the hedgerow, wooded edge, or water source, such as a pond. Enumerate the male SWD caught on the traps each week. Keep traps at least 10 m (33 ft) from other insect pheromone traps. These instructions are meant to augment those provided by Trécé or other manufacturers.

Trap materials

- Trécé Inc. PHEROCON® SWD STKY™ traps (12 per season, replaced weekly)
- SWD lure – Trécé Peel-Pak lure or Scentry SWD lure (1-3 per trap per season)
- plastic-coated wire hangers provided with traps.

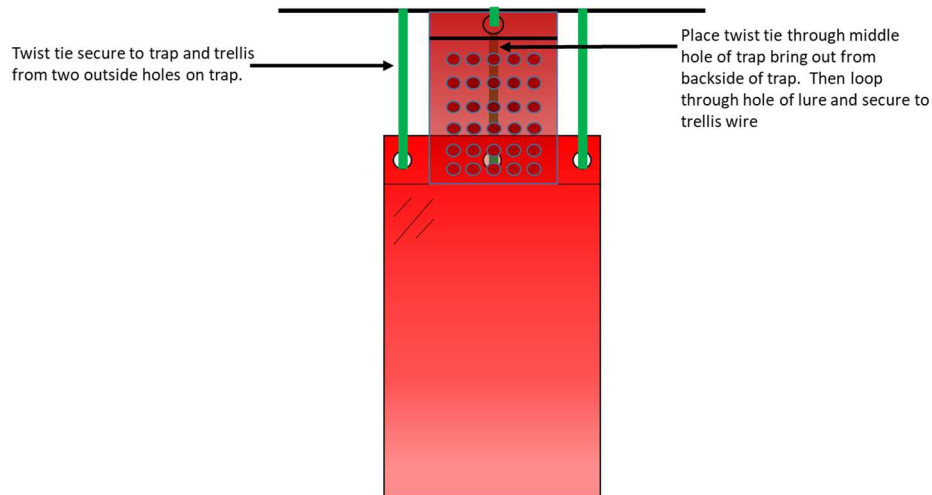
Other materials

- nitrile, latex, or vinyl disposable gloves
- stakes for hanging traps OR simply hang in the plant canopy or on trellis post (*hang in shade*)
- flagging tape – to mark the plants the traps are in and the row
- scissors
- optivisor or hand lens or magnifying glass
- WD40 or similar solvent to remove sticky trap goo from scissors, etc.
- wax paper or plastic wrap – can be used to wrap the sticky card if you decide to take it out of the field to examine it
- sharpies, trash bags, wipes, hand sanitizer, etc.

Preparing and setting the trap

1. Lures are deployed above the SWD STKY trap and hung from a branch, trellis wire or wooden stake such that the trap is positioned approximately 1.5 m (5 ft) off the ground, within the fruit zone in a shaded area. In berries, this will depend on how the plants are trained and traps may need to be placed lower. Wear gloves to protect your hands from the sticky goo on the trap.

- Lures need to be hung above the red sticky card, so the bottom of the lure is secured just above the glue. Don't allow the lure pak to touch the sticky surface of the trap. See Figure 1 below for details of trap set up. Wear gloves.



- Traps will need to be secured tightly to the trellis wire, branch, or wooden stake to minimize sliding or blowing around with the wind.
- Canes or branches will need to be tied up or removed so that the sticky traps are visually apparent and will not contact any foliage or berries. Mark the location with flagging tape.
- Label the trap with a code number for your records. (Record the trap GPS coordinates, if needed.) Record the date the trap and lure were set out in the field.

Servicing the trap and identifying the male SWD

- Handle the trap with gloves on. Examine it with a hands lens, magnifying glass or optivisor.
- Each week, remove the trap and check for stuck male SWD. Examine both sides of the sticky trap.
- Enumerate the male SWD and record the total number per red sticky card trap.



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4. Discard the examined trap and install a new one. Change the trap weekly. Change lures every 4 weeks and make note of the date the lure was changed.

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