

Spotted Wing Drosophila (SWD) Monitoring for Non-Commercial Homeowners



Drosophila suzukii

Backyard Gardener Monitoring Expectations Overview

Oregon non-commercial backyard fruit growers are encouraged to monitor and report spotted wing drosophila (SWD) flies caught in monitoring traps within their personal gardens. Backyard fruit infested with SWD larvae should also be reported.

Participating backyard gardeners are to follow the State of Oregon's backyard SWD monitoring protocols posted on the SWD website, <http://swd.hort.oregonstate.edu>. Each county Extension office received a monitoring kit in fall of 2010 explaining how to monitor, identify, record, and submit backyard trap findings, along with example trap materials and informational documents.

Backyard gardeners are to monitor and service traps weekly, following the SWD monitoring protocols. They will be given the option to use yellow sticky cards (for identification of males) in combination with pure apple cider vinegar or better yet just pure apple cider vinegar with a drop of unscented liquid soap by itself. Either way, flies should be filtered out of the liquid bait from the traps and *Drosophila suzukii* males counted. If properly trained on female identification, these numbers can be reported too. Gardeners shall record and report their findings on the Excel datasheet found on the website. Potential SWD

SWD Identification Procedures

When backyard gardeners suspect they have a SWD male or female, they can refer to the SWD Oregon Dept. of Agriculture ID key provided in the SWD monitoring kit binder or found on the SWD website, to ensure the male and female characteristics are

For most current information, see central website:
SWD.hort.oregonstate.edu

present before contacting the local SWD identification team and reporting on the SWD website.

Procedure for identifying suspected SWD:

1. If a gardener suspects they have a SWD, call the local Extension office* for assistance and confirmation on the identification of the fly or larva specimen.
2. As verification is needed, samples (high quality photographs showing key characteristics, along with the intact fly) should be submitted to the Extension office to verify the fly specimens' identity.
 - When submitting a fly specimen, it must be in good enough condition to verify wing spots, vein pattern on wing, the two black bands on the front legs of males, and prominent saw-like ovipositor on females.
 - Specimens should be placed in small containers or vials (dram vials) (that are completely sealed) with Ethyl Alcohol or Isopropyl Alcohol and delivered or mailed in a padded envelope with the date collected, where collected, and contact information of the collector.
3. In the case of the local extension agent not being able to verify the specimen, it will be passed onto Gail Langellotto, State Master Gardener® Program Coordinator. If there is difficulty, the specimen will be passed onto Amy J. Dreves, OSU Entomologist-CSS Dept.

*Refer to the SWD website for a list of trained personnel in SWD identification for each county.

Monitoring & Mapping of Seasonal Abundance of SWD in Oregon 2011

