

Instruction Sheet

AR934A Ball Trap For Trapping *Drosophila suzukii*

Updated: 5/27/2010

BACKGROUND

The *Drosophilla suzukii* is a damaging pest around 2.6 to 2.8 mm in length, beige-yellow in color with brown bands on the abdomen. In June 2009, *Drosophilla suzukii* was trapped over a wide area in Northern California and is now considered established in California. This damaging pest causes economic damage to berry crops such as fresh berries, strawberries, raspberries, blueberries and blackberries. This is caused by white legless maggots on the inside of the fruit pulp.

It is known that this pest has as many as 13 generations, and multiple hosts which allows them to increase throughout the season. As the egg hatch time is only about one day, the larvae begin feeding inside the fruit. Due to this, the fruit begins to collapse around the feeding site. Furthermore, the mold and infestation by secondary pests may lead to further damage.

ISCA Technologies introduces the AR934A Ball Trap for the monitoring and mass trapping of this species. With a long field life of more than 4 weeks (depending on ambient temperature), the AR934A Ball Trap is a convenient, environmentally friendly, tool used to monitor and mass trap this pest, and it can also be used with other attractants for other fruit fly species.

You Will Need:

- AR934A ISCA Ball Trap
- 4 tsp sugar
- 0.25 oz baker's yeast (or 1 packet)
- Apple cider vinegar
- 12 oz. water

ASSEMBLING THE TRAP



STEP 1

Mix 12 oz of water with 4 teaspoons of sugar. Pour into a small container.



STEP 4

Pour into the yellow basin of 1 or 2 ISCA Ball Traps.



STEP 2

Add 0.25 oz of yeast (or 1 packet) and mix continuously until a smooth mixture is developed



STEP 5

Attach the clear plastic top of the ISCA Ball Trap, open the lid of the lure receptacle and fill with apple cider vinegar.



STEP 3

Allow mixture to ferment for 24 hours.



STEP 6

Use the string as a hanger and hang the completed trap. Refill the vinegar and bait mixtures as they evaporate

OTHER INFORMATION

1. The University of California Cooperative Extension (UCCE) and ISCA Technologies conduct on-going research on *Drosophila Suzukii*. You should periodically check for updated information, which can be found over the internet and the ISCA Product Support website: <http://www.iscotech.com/exec/customersupport.htm>. At this website, instruction sheets are periodically updated to incorporate latest information from research efforts. The password to access these instruction sheets is: isca951, or contact ISCA for the latest password.
2. Environmentally friendly *Drosophila* management solutions are effective for managing low to medium levels of this damaging pest. At high levels additional measures, such as the use of insecticides, may be needed to supplement the environmentally friendly solutions.
3. The effectiveness of your *Drosophila suzukii* control measures is contingent on the effectiveness of control measures in in your vicinity. If *Drosophila suzukii* is not well controlled in your vicinity, it can reproduce and migrate to damage your fruits.
4. The standard disclaimer for the information and use of ISCA's products can be found in the ISCA Technologies Standard Terms and Conditions of Sale. You may request that a copy be sent to you or you can view this at the ISCA website at: <http://www.iscotech.com/exec/sales.htm>.
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