

# Spotted Wing Drosophila Control on Soft-Skinned Fruits with PREV-AM®

TARGET: Spotted wing drosophila (*Drosophila suzukii*)

CROP: Strawberry

LOCATION: University of Florida, USA

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## APPLICATION

The spotted wing drosophila (SWD), *Drosophila suzukii*, is a fruit fly that affects soft-skinned fruits. This pest was first recorded in Florida in 2009. Its hosts include strawberry, blackberry, raspberry and blueberry, which are all economically important crops in Florida. Blueberry is particularly susceptible to economic damage since the fruit matures in spring when climatic conditions are favorable for SWD development. SWD females lay their eggs under the skin of healthy fruit. As the larvae develop, the berry degrades and discolors, rendering the fruit unmarketable. Current control methods consist of frequent spray applications of pesticides to control the adult mortality. The purpose of this study was to evaluate the effectiveness of PREV-AM® against SWD adult mortality.

## RESULTS

In evaluating the effectiveness of PREV-AM at 0.4% v/v against the drosophila fruit fly there was a significant statistical difference between the control and the PREV-AM treatment. Even in the first 30 minutes there was a dramatic mortality rate among those treated. There was a 55% difference in the first 30 minutes, and that trend never changed over the 48 hours of the trial. At each evaluation, the PREV-AM gave significant control versus the untreated population.

### Percent survival

