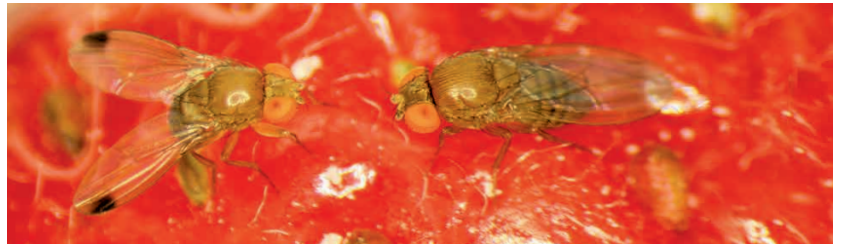




CONTROL OF SPOTTED WING DROSOPHILA



SPOTTED WING DROSOPHILA CONTROL ON SOFT-SKINNED FRUITS WITH PREV-AM® ULTRA

TARGET	Spotted wing drosophila (<i>Drosophila suzukii</i>)	LOCATION	University of Florida, USA
TRIAL DATE	May 2013	CROP	Strawberry
		RESEARCHER	Sara Brennan & Dr. Oscar Liburd

APPLICATION

The spotted wing drosophila (SWD), is a fruit fly that affects soft-skinned fruits. Its hosts includes strawberry, blackberry, raspberry and blueberry plants, which are all economically important crops. 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 ULTRA against SWD adult mortality.

RESULTS

In evaluating the effectiveness of PREV-AM ULTRA at 0.4% v/v against the drosophila fruit fly there was a significant statistical difference between the control and the PREV-AM ULTRA 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 period of 48 hours. At each time interval, the control had significantly more survivors than the treated group.

■ UNTREATED ■ PREV-AM ULTRA 0.4% v/v

PERCENT SURVIVAL

