



ASIAN CITRUS PSYLLID CONTROL WITH OROCIT® ADJUVANT + DELEGATE® WG

TARGET	Asian citrus psyllid (<i>Diaphorina citri</i>)	CROP	Orange (<i>Hamlin</i>)
TRIAL DATE	April – May 2011	RESEARCHER	B. Johnson, Ag Consulting
		LOCATION	Winter Garden, Florida

APPLICATION

A trial to examine the effect of adding OROCIT as an adjuvant with Delegate WG on levels of Asian Citrus Psyllid control was established on plots with single trees 3-5 ft. tall in the Winter Garden region of Florida. Treatments were applied on April 19 by means of a handgun sprayer equipped with flat fan nozzle operating at 75 psi, delivering a final spray volume of 200 gallons per acre. There were 4 replicates per treatment. Two days after application, 3 expanded flushes were tagged. The number of eggs and nymphs were counted on the flushes up to 17 days after treatment, by which time the population had crashed. The results in the graphs were attained 13 days after application.

RESULTS

Psyllid populations in the untreated plots were very high, to the point of some leaves in the older flushes being deformed. When counts were made 13 days after application, both treatments showed a significantly reduced number of psyllid eggs and nymphs on the feather flushes compared with the untreated control.

The combination of Delegate WG + OROCIT showed numerically lower nymph and egg counts compared with the Delegate WG + crop oil 435 mix.

- UNTREATED
- Delegate WG (*spinetoram*) (4 oz./a) + Crop Oil 435 (2 gal./a)
- Delegate WG (*spinetoram*) (4 oz./a) + OROCIT (32 fl. oz./a)

ASIAN CITRUS PSYLLID CONTROL ON ORANGES 13 DAYS AFTER TREATMENT

