



CITRUS BUD MITE CONTROL WITH OROCIT® ADJUVANT + MOVENTO

TARGET	Citrus bud mite	CROP	Lemons (<i>Eureka</i>)	LOCATION	Somis, California
TRIAL DATE	June – December 2011	RESEARCHER	D. Holden & D. Dunbar, R3 Ag Consulting LLC		

APPLICATION

A replicated trial to determine if OROCIT is a suitable alternative to petroleum oil when used with Movento (*spirotetramat*) for citrus bud mite control in lemons was conducted in Somis, California. There were two, 4-year old Eureka lemon trees per plot, and each treatment was replicated 4 times. Applications were made with a backpack mist-blower sprayer depositing 200 gallons per acre.

LOCATION 1: A single application was made on June 6. The bud mite infestation was at the economic threshold of 20% infested axillary buds at the time of application. Although the bud mite infestation in the untreated treatment declined shortly after application (averaging 7.3% infestation for the duration of the trial) useful information was still gathered from this trial.

LOCATION 2: Due to the declining infestation in Location 1, the protocol was repeated in a second location. A single application was made on August 28. At 50% infested axillary buds, the bud mite infestation was above the economic threshold at the time of the application. Bud mite counts were based on observations of 25 axillary buds on new growth per replicate.

RESULTS

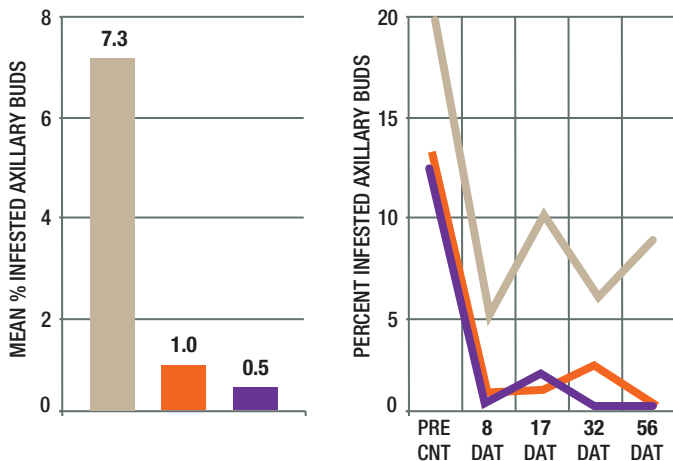
LOCATION 1: Even with the declining infestation in the untreated treatment, all treatments significantly reduced the bud mite infestation and there were no statistical differences between treated plots at any evaluation time or for the post-treatment counts.

LOCATION 2: Similar results were achieved at Location 2, where a very high level of infestation occurred up to 65 days after treatment. Once again, no statistical differences were observed between treated treatments.

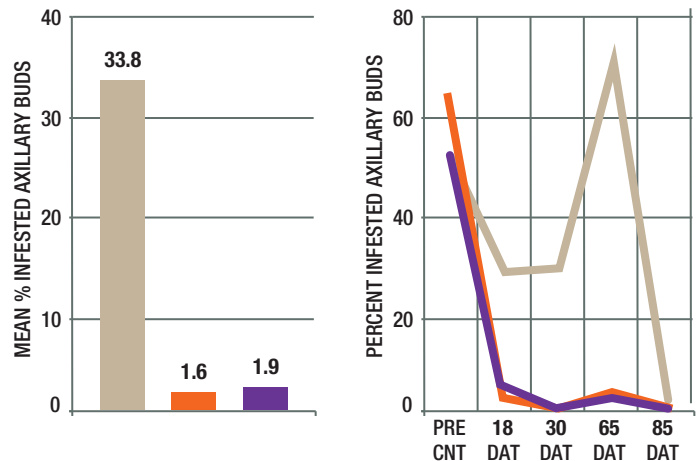
From the data gathered in these two locations it is clear that OROCIT is a suitable alternative to petroleum oil when used with Movento for citrus bud mite control.

- UNTREATED
- OROCIT (32 fl. oz./a) + Movento 240 SC (10 fl. oz./a)
- Petroleum Oil (1% v/v) + Movento 240 SC (10 fl. oz./a)

LOCATION 1 - CITRUS BUD MITE CONTROL



LOCATION 2 - CITRUS BUD MITE CONTROL



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