



PREV-AM® ULTRA FOR THE CONTROL OF APHIDS IN PIMA COTTON

TARGET	Aphid (<i>Aphis gossypii</i>)	CROP	Cotton, var. Pima (<i>Gossypium barbadense</i> L.)	
TRIAL DATE	September 2005	LOCATION	Shafter, CA, USA	RESEARCHER L. Godfrey & T. Pierce - University of California

APPLICATION

The trial was laid out in a randomized complete block design with 3 replicates on a plot measuring 4 rows × 85 feet. The cotton growth stage was 20-25 nodes, ~0-5% open bolls. Treatments were applied by a pull-behind tractor sprayer equipped with CO₂ propellant and 5 Spraying Systems TX-VS6 nozzles per row, operating at 40 PSI while travelling at 3.5 mph and delivering a final spray volume of 20 gallons per acre.

The number of aphids per ten-leaf sample (5th main stem node leaf down from terminal) per plot were measured over a period of 15 days following the treatment applications. At 4-DAT (Days After Treatment), aphid populations in the untreated plots averaged 49 aphids per ten leaves - among the highest in the study on this date - and a significantly greater value than was found in the PREV-AM ULTRA treatments.

Aphid levels remained consistent at 15-DAT with 57.3 aphids per ten leaves in the untreated plots, while aphid counts in the PREV-AM ULTRA + flonicamid treated plots were significantly lower.

In summary, PREV-AM ULTRA + flonicamid gave excellent aphid control. The combination treatment was better than either product alone.

- UNTREATED
- PREV-AM ULTRA (0.6% v/v)
- PREV-AM ULTRA (0.6% v/v) + Flonicamid (2.6 oz./a)
- Flonicamid (2.6 oz./a)
- Chlorpyrifos (Lorsban) (24 fl. oz./a)

APHID COUNT (*APHIS GOSSYPII*) ON LATE-SEASON PIMA COTTON

