



## GREENHOUSE STUDY: POTATO PSYLLID EGG AND NYMPH CONTROL WITH PREV-AM® ULTRA

<b>TARGET</b>	Potato Psyllid ( <i>Bactericera cockerelli</i> )	<b>LOCATION</b>	Texas A&M AgriLife Research - Weslaco, TX, USA
<b>TRIAL DATE</b>	July 2013	<b>RESEARCHER</b>	Don Henne, Ph.D. and Manuel Campos, Ph.D.

### APPLICATION

This greenhouse trial was conducted to measure the efficacy of PREV-AM ULTRA and a standard rate of Movento® Insecticide for the control of potato psyllid, *Bactericera cockerelli*, eggs and nymphs on potato plants. Mortality was measured at 5 and 8 days after treatment (DAT).

### RESULTS

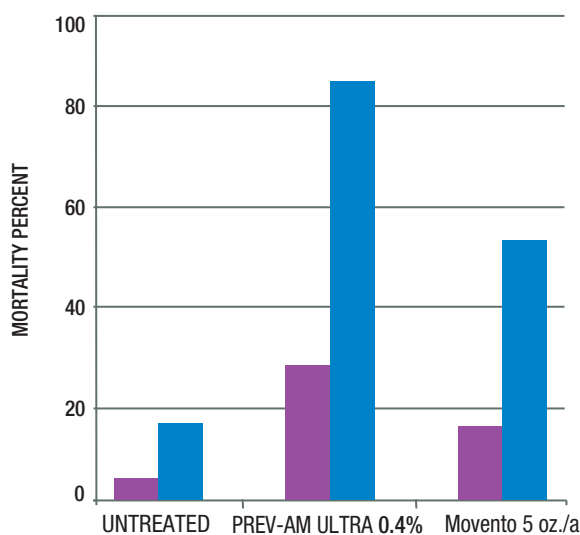
**Nymphs:** When nymph mortality was measured at 5 DAT, there were no statistically significant differences between the PREV-AM ULTRA treatment @ 0.4% (approximately 30% mortality) versus the Movento treatment alone. **At 8 DAT, the PREV-AM ULTRA treatment showed greater than 80% control compared to approximately 55% control for the Movento treatment.**

**Eggs:** The PREV-AM ULTRA and Movento treatments showed similar mortality of eggs at both the 5 and 8 DAT measurement.

**CONCLUSION:** PREV-AM ULTRA, at 0.4% application rate, delivered significantly better control of potato psyllid nymphs than a standard Movento treatment alone. PREV-AM ULTRA provided the same excellent level of control of psyllid eggs as an application of Movento alone.

#### CUMULATIVE PERCENT MORTALITY OF *B. cockerelli* NYMPHS

■ 5 DAT ■ 8 DAT



#### AVERAGE NUMBER OF *B. cockerelli* EGGS PER LEAF

■ 0 DAT ■ 5 DAT ■ 8 DAT

