



BASIC INFORMATION

TARGET	Mealybug (<i>Planococcus ficus</i>)
CROP	Wine grape, cv. Pinot grigio (<i>Vitis vinifera</i>)
SPRAY VOLUME	1280 l/ha
LOCATION	Lodi, California • USA
TRIAL DATE	July - August 2010
RESEARCHER(S)	D. Dunbar, R3 Ag Consulting LLC B. Bauer, Two Bees Agricultural Research

FIELD SITUATION

The spray program consisted of **PREV-AM**, Movento[®] SC (spirotetramat) and Applaud[®] 70WP (buprofezin).

Although the mealybugs were later to develop this year due to the cool weather, the infestation was considered moderate to heavy. At the time of the application the mealybugs were just moving across the cordons and beginning to infest the grape bunches.

Spray application was done on 24 July 2010 using a mistblower sprayer.

There were 4 replicates with 3-4 vines per plot.

Dead and live mealybugs were counted 6 days after application and the percentage dead were calculated.

TREATMENT TABLE

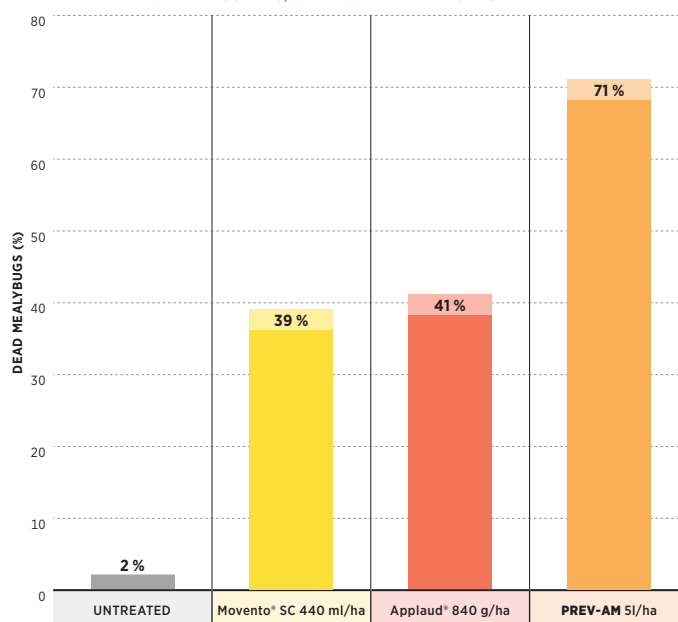
TREATMENT	RATE
1 Untreated control	-
2 Movento [®] SC (spirotetramat)	440 ml/ha
3 Applaud [®] (buprofezin)	840 g/ha
4 PREV-AM (0,4 % v/v)	5 l/ha

FIGURE 1

Percentage dead mealybugs

out of total infestation

AFTER DIFFERENT SPRAY PROGRAMS, SIX DAYS AFTER APPLICATION



CONCLUSIONS

- **PREV-AM** applied at 0,4 % provided a numerically higher mortality of mealybug than Movento[®] and Applaud[®].
- The result showed as **PREV-AM** has an high knock-down effect against mealybug.

PHOTO BY: TIM BUCHHEIM



TARGET: MEALYBUG

Planococcus ficus

