



## VINTRE® TANK MIXTURES FOR GRAPEVINE MEALYBUG CONTROL ON GRAPES (PART 1)

<b>TARGET</b>	Grapevine mealybug ( <i>Planococcus ficus</i> )	<b>CROP</b>	Grape, var. Pinot Grigio
<b>TRIAL DATE</b>	April 2010	<b>LOCATION</b>	Lodi, CA, USA
<b>RESEARCHER</b>	D. Dunbar, R3 Ag Consulting LLC, B. Bauer, Two Bees Agricultural Research & Consulting		

### APPLICATION

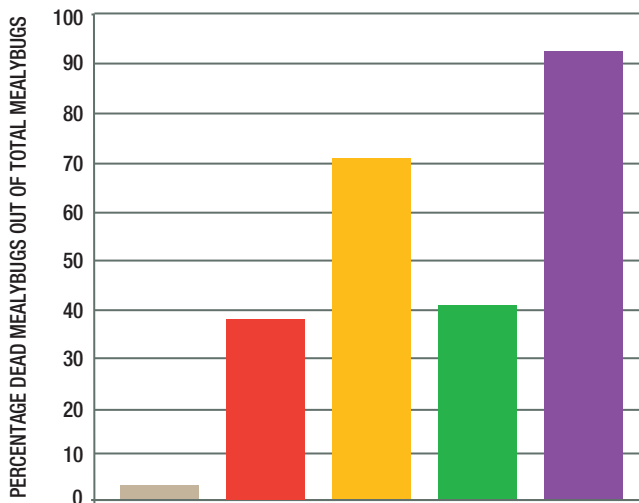
The initial spray program consisted of Movento® SC, Applaud® 70WP without and with **VINTRE**® Spray application on July 24, 2010. There were 4 replicates with 3-4 vines per plot. Spray volume was 137 gal/acre and a mistblower sprayer was used. Dead and live mealybugs were counted on the cordons and wood at 6 and 13 days after treatment and the percentage dead were calculated.

### CONCLUSION

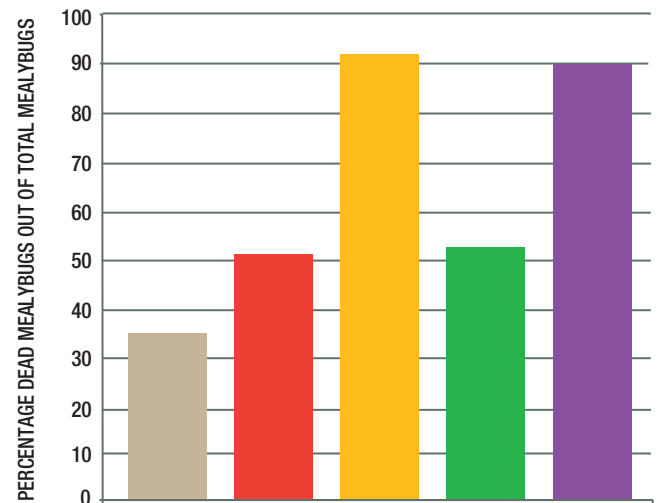
**VINTRE** combined with Movento or Applaud resulted in improved mealybug kill at 6 DAT and 13 DDT compared to Movento and Applaud applied alone. Apart from acceleration of the pesticides by penetrating and dissolving the waxy coating surrounding the mealybugs, **VINTRE** also aids in the removal of the honeydew which serves as a food source for ants.

- UNTREATED
- Movento SC (spirotetramat) (6 fl oz/acre)
- Movento SC (spirotetramat) (6 fl oz/acre) + **VINTRE** (0.25% v/v) (44 fl oz/acre)
- Applaud 70WP (buprofezin) (12 oz/acre)
- Applaud 70WP (buprofezin) (12 oz/acre) + **VINTRE** (0.25% v/v) (44 fl oz/acre)

**PERCENTAGE DEAD MEALYBUGS OUT OF TOTAL NUMBER AFTER DIFFERENT SPRAY PROGRAMS AT 6 DAYS AFTER TREATMENT**



**PERCENTAGE DEAD MEALYBUGS OUT OF TOTAL NUMBER AFTER DIFFERENT SPRAY PROGRAMS AT 13 DAYS AFTER TREATMENT**





## VINTRE® TANK MIXTURES FOR GRAPEVINE MEALYBUG CONTROL ON GRAPES (PART 2)

<b>TARGET</b>	Grapevine mealybug ( <i>Planococcus ficus</i> )	<b>CROP</b>	Grape, var. Pinot Grigio
<b>TRIAL DATE</b>	April 2010	<b>LOCATION</b>	Lodi, CA, USA
<b>RESEARCHER</b>	D. Dunbar, R3 Ag Consulting LLC, B. Bauer, Two Bees Agricultural Research & Consulting		

### APPLICATION

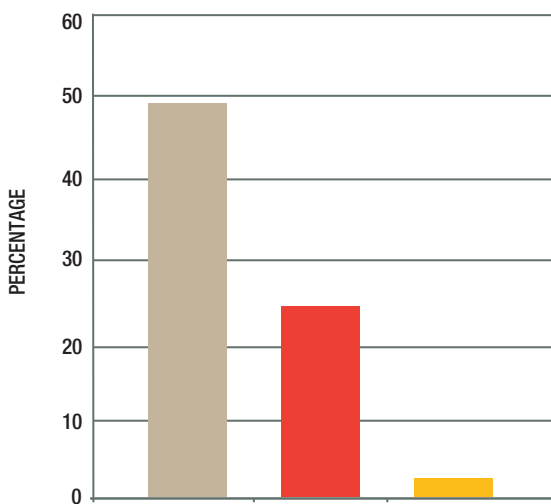
The spray program consisted of Movento® SC without and with **VINTRE**®. Spray application was on July 24, 2010. There were 4 replicates with 3-4 vines per plot. Spray volume was 137 gal/acre and a mistblower sprayer was used. On August 16, the percentage infested bunches and the severity of bunch infestation were calculated. The severity of honeydew production was also rated.

### CONCLUSION

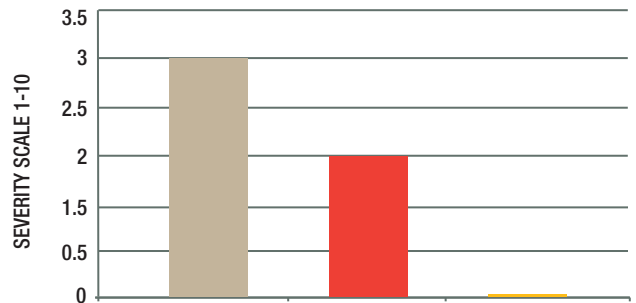
All treatments significantly reduced the percent mealybug infested bunches by 43-94% below that in the untreated check. Although there was no significant differences between treatments in terms of reduction in infested bunches, Movento + **VINTRE** was the best treatment with 3% infested bunches. Movento + **VINTRE** was the best treatment in this test with a 0 severity rating. Movento + **VINTRE** reduced the mealybug infestation to very low levels so there was little to no honeydew.

- UNTREATED
- Movento SC (*spirotetramat*) (6 fl oz/acre)
- Movento SC (*spirotetramat*) (6 fl oz/acre)  
+ **VINTRE** (0.25% v/v) (44 fl oz/acre)

#### PERCENTAGE BUNCHES INFESTED WITH MEALYBUG



#### SEVERITY OF BUNCH INFESTATION WITH MEALYBUG



#### HONEYDEW RATING ON FRUIT, LEAVES AND CORDONS

