TDB 337A

EVALUATION OF **WETCIT™** IN TANK MIXTURES FOR THE CONTROL OF MEALYBUG ON PINOT GRIGIO GRAPES

BASIC INFORMATION

TARGET	Grapevine mealybug (*Planococcus ficus*)
CROP	Grape, cv. Pinot Grigio (*Vitis vinifera*)
SPRAY VOLUME	1280 l/ha
LOCATION	Lodi, CA • USA
TRIAL DATE	2010
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TRIAL AIM AND DESIGN

A replicated study was conducted on a commercial field at the Eger Vineyard in Lodi on Pinot Grigio grapes to assess the adjuvant **WETCIT** mixed with standard products compared to the standard products applied alone on the grapevine mealy bug (*Planococcus ficus*).

Treatments were applied to their pre-defined blocks one time end of July.

TREATMENT TABLE

TREATMENT		6 DAA	13 DAA
Movento® SC (spirotetramat)	440 ml/ha	**89,2 %**	**98 %**
Movento® SC (spirotetramat) + **WETCIT**	440 ml/ha 0,25 %	**96,1 %**	**100 %**
Applaud® 70WP (buprofezin)	840 g/ha	**77,5 %**	**94,1 %**
Applaud® 70WP (buprofezin) + **WETCIT**	840 g/ha 0,25 %	**93,1 %**	**98 %**

HARVEST & DATA COLLECTION

Grapes were harvested on August 16th and 20 bunches were cut from the centre vine of each three vine plot and evaluated for percent mealybug infestation. Efficiency was calculated according to the Abbott formula based on the mealy bugs.

RESULTS AND CONCLUSION

All tested products provided good to very good control of grapevine mealy bug on Pinot Grigio grapes. The addition of **WETCIT** to the standard products Movento® and Applaud® resulted in a major increase of efficacy 6 and 13 days after the application (DAA). In the case of Movento®, the addition of **WETCIT** provided a total control at 13 DAA.

It can be concluded that the addition of **WETCIT** at 0,25 % is a powerful tool to improve the efficacy of standard products used to control grapevine mealy bug.

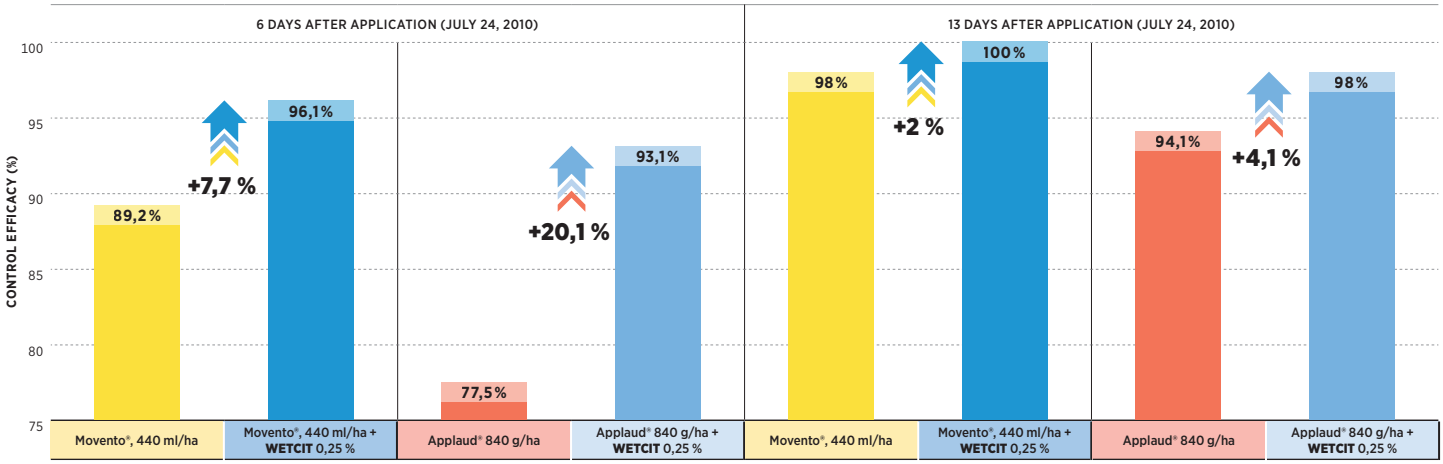
TARGET: GRAPEVINE MEALYBUG *Planococcus ficus*

FIGURE **1**

Control efficacy

On grapevine mealybug

AFTER DIFFERENT SPRAY PROGRAMS AT SIX AND THIRTEEN DAYS AFTER APPLICATION. LODI, CA, 2010



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