

For Effective Control of Mealybug Crawlers

Applaud® insect growth regulator has become one of the standard treatments for controlling mealybugs in grapes. The active ingredient, *buprofezin*, is extremely effective against the early instar stages of mealybugs by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs.

Key Benefits

- Proven performance
- Provides flexibility and reliable insect control
- Not disruptive to beneficial insects
- Does not flare mites
- Also controls leafhoppers
- The unique vapor action activity of Applaud helps the product get to those hard-to-reach insect hiding places
- Economical choice

Insects Controlled

- Mealybugs – grape mealybug, obscure mealybug, vine mealybug, Gill's mealybug
- Leafhopper species

Recommended Use Rates

- Mealybugs – 12 oz/acre
- Leafhoppers – 9-12 oz/acre
- Proper coverage is essential for optimum insect control. Using a higher volume of water will assure better coverage, especially in hot, dry conditions or when a dense canopy is present

Use Information

- Mealybugs – Apply at the beginning of crawler emergence
- Leafhoppers – Apply when the majority of the population is at the early nymphal stage
- Reentry interval – 12 hrs
- Preharvest interval – 7 days @ 12 oz; 30 days @ 24 oz
- Group 16 Insecticide

Applaud Vine Mealybug Efficacy in Grapes

Flame Seedless Grapes
Cutler, CA, July 10, 2008



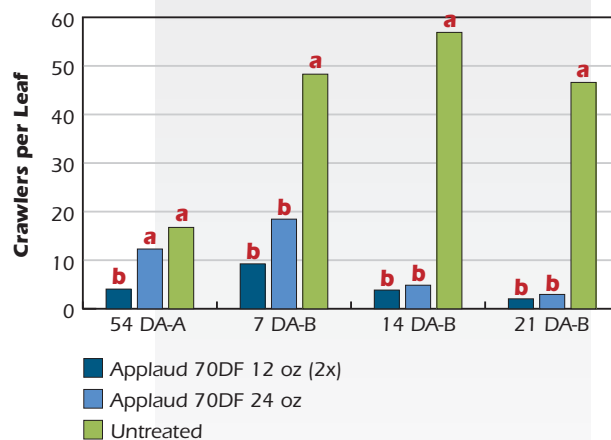
Untreated



Applaud 12 oz
(Two Applications)

Applaud 70DF Efficacy on Vine Mealybugs in Grape

Sanger, CA



Application:

- 4 May 2011 (A), 29 June 2011 (B), mistblower, 100 gpa
- Applaud at 12 oz applied 4 May and 29 June; Applaud at 24 oz applied on 29 June
- All Applaud treatments had 0.25% v/v Dyne-Amic

Experiment: RCB, 4 reps

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)