

63%
Reduction
of Citrus
Mealybugs

 **AzaGuard**[®]

Control Citrus Mealybugs in Coleus

Efficacy of AzaGuard and AzaGuard + AX-1373 Against the Citrus Mealybug, Under Greenhouse Conditions

Researchers: Amy L. Raudenbush and Raymond A. Cloyd,
Kansas State University

Crop: Red Coleus (*Solenostemon scutellarioides*)

Pest: Citrus Mealybug (*Planococcus citri*)

Mealybugs are major insect pests of ornamental crops with a wide host range. Through feeding on plant fluids/sap and secretion of toxin, they can cause direct injury to plants resulting in significant damage if left uncontrolled.

A greenhouse research study conducted in early 2014 at Kansas State University evaluated the efficacy of AzaGuard against Citrus Mealybugs (CMB) of Red Coleus under greenhouse conditions. A total of 4 weekly foliar applications were made with AzaGuard starting one week after infesting the established plants with CMB instars.

Summary and Results

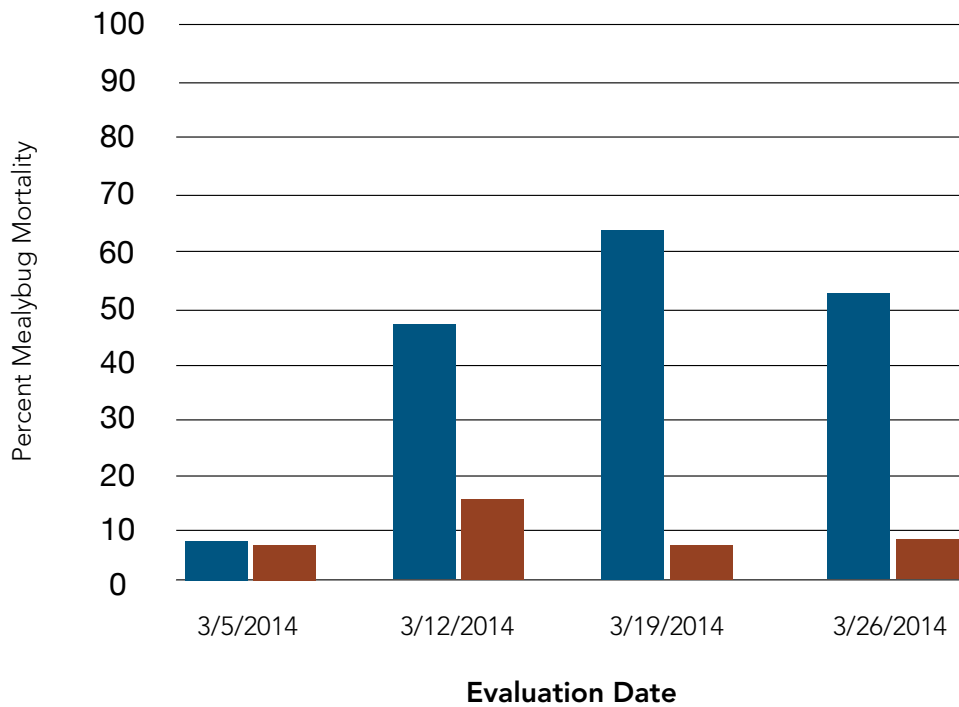
Results from CMB mortality assessments (Total 4 assessments) showed significantly higher % CMB mortality (up to 63.0%) on coleus plants treated with AzaGuard when compared to plants treated with the water control. Study concludes that multiple applications of AzaGuard can help suppress CMB populations significantly.




Features & Benefits

- Insect growth regulator, anti-feedant, insect repellent, and ovi-position deterrent
- Use on all crops including fruits, vegetables & herbs
- Target all life stages of insects with tank mix applications
- 4-hour REI
- Active ingredient: azadirachtin
- Available in 32 fl. oz. & 1 gallon containers

Figure 1. Citrus Mealybug Control with AzaGuard



 AzaGuard - 16.0 fl.oz./100 gallons of water

 Water Control

BioSafe Systems recommends AzaGuard as an important part of your spray program to control Citrus Mealybugs. AzaGuard can be effective on egg/crawler stages of the insect life cycle and should be applied as a foliar spray at a rate of 16 fl. oz./100 gals of water once every 5-7 days with thorough coverage and continue until complete suppression is achieved.

BioSafe Systems® LLC

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