



# EXACT CONTROL OF WHITEFLIES AND APHIDS

Endeavor<sup>®</sup> insecticide belongs to a unique class of chemistry that eliminates aphids and whiteflies. It provides residual control by quickly inhibiting insect feeding. Endeavor is highly compatible with beneficial insects, making it an ideal tool for integrated pest management (IPM) programs in the greenhouse and nursery.

Endeavor is rainfast shortly after application and quickly becomes available to targeted pests at their feeding sites. Translaminar and systemic movement distribute the product throughout the plant to provide complete protection. Within hours of ingestion, aphids and whiteflies stop feeding.

As a spray, Endeavor provides:

- 14-21 days of aphid control
- 14 days of whitefly control

As a drench, Endeavor offers up to seven weeks of control.

It can be used in greenhouse and nursery production on a wide variety of bedding plants and perennials, as well as vegetables grown for transplant.

## COMPATIBLE WITH BENEFICIAL INSECTS

Endeavor is highly compatible with predators, parasites and other beneficial mites and insects used in biological control programs, which makes it an ideal tool for IPM programs.

Aphid Control	<i>Aphidius colemani</i> <i>Aphidius ervi</i> <i>Aphelinus abdominalis</i>	26-50% Reduction
	<i>Aphidoletes aphidimyza</i>	0-25% Reduction
Whitefly Control	<i>Amblyseius swirskii</i>	0-25% Reduction
	<i>Encarsia formosa</i>	0-25% Reduction
	<i>Eretmocerus eremicus</i>	0-25% Reduction

When controlling damaging whiteflies and aphids, Endeavor has been shown to cause less than a 25 percent population reduction of four of the biological control agents shown above.

## SPECTRUM OF ACTIVITY

### Aphid species

- *Aphis fabae* (Bean Aphid)
- *Aphis gossypii* (Melon or Cotton Aphid)
- *Aphis nerii* (Oleander Aphid)
- *Aphis spiraeicola* (Spirea Aphid)
- *Aulacorthum solani* (Foxglove Aphid)
- *Macrosiphoniella sanborni* (Chrysanthemum Aphid)
- *Macrosiphum euphorbiae* (Potato Aphid)
- *Macrosiphum rosae* (Rose Aphid)
- *Myzocallis kahawaluokalani* (Crape Myrtle Aphid)
- *Myzus persicae* (Green Peach Aphid)
- Others (Cabbage Aphid, Citrus Aphid)

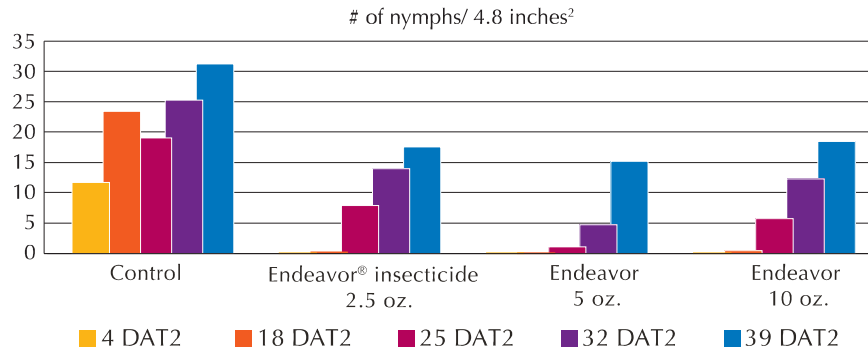
### Whitefly species

- *Bemisia argentifolii* (Silverleaf Whitefly)
- *Bemisia tabaci* (Sweetpotato Whitefly)
- *Trialeurodes vaporariorum* (Greenhouse Whitefly)
- *Trialeurodes abutiloneus* (Bandedwing Whitefly)

## PROVEN CONTROL OF APHIDS AND WHITEFLIES

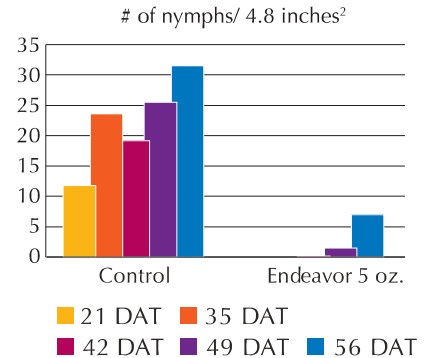
Results from research studies show Endeavor is effective against aphids and whiteflies on many different ornamental plants.

### CONTROL OF SWEET POTATO WHITEFLY ON SALVIA



2019 – Long, Vero Beach Research Center  
Two foliar sprays applied on a 17-day interval  
DAT2 = Days after treatment two

### CONTROL OF SWEET POTATO WHITEFLY ON SALVIA

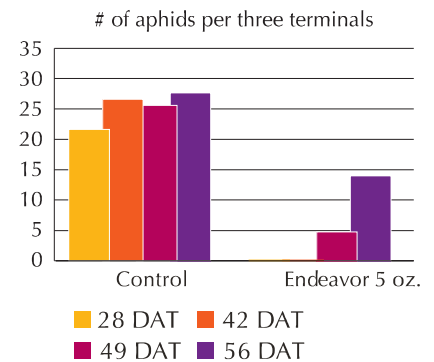


2019 – Long, Vero Beach Research Center  
Treatment applied as a drench

## BOTTOM LINE

- **Effective control:** Endeavor quickly stops insect feeding, which prevents virus transmission and controls the insect within a few days of treatment.
- **Targeted activity:** Its unique mode of action in IRAC Group 9B helps prevent insect resistance and is highly compatible with beneficial insects.
- **Versatility:** The ability to apply as a spray or drench to ornamental crops and vegetables grown for transplant offers growers a flexible option.

### CONTROL OF GREEN PEACH APHIDS ON CALIBRACHOA



2019 – Long, Vero Beach Research Center  
Treatment applied as a drench  
DAT = Days after treatment

For more information, visit [www.GreenCastOnline.com/Endeavor](http://www.GreenCastOnline.com/Endeavor)



Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations. Trials reflect treatment rates commonly recommended in the marketplace.

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