

## Broad-Spectrum Pest Control

TORAC® EC insecticide has a unique mode of action, providing **both** insect and disease control in leafy vegetables. The fast, broad spectrum activity of TORAC offers excellent efficacy on important insects, including thrips and aphids while delivering control of powdery mildew.

### Key Benefits

#### ■ Insecticide

- Effective on all life stages of thrips and aphids (excluding lettuce aphid)
- Stops the transmission of diseases by inhibiting insect feeding
- Fast mode of action
  - instant stop-feeding activity
  - controls pests usually within 24 to 48 hours
  - contact insecticide which works by inhibiting cellular respiration in the insect
- Excellent insecticide resistance management tool
  - ideal rotational chemistry or tankmix partner with translaminar and systemic insecticides
  - IRAC Group 21A – Mitochondrial Complex 1 Electron Transport Inhibitors (METI)

#### ■ Fungicide

- Contact fungicide for powdery mildew control
- Ideal rotational or tankmix chemistry with translaminar or systemic fungicides
- New mode of action which inhibits respiration (FRAC Code 39; Complex 1 NADH)

### Use Information

- Reentry Interval (REI): 12 hours
- Preharvest Interval (PHI): 1 day
- 2 applications allowed per crop cycle; maximum of 42 fl oz per acre per crop cycle
- Texas leafy vegetable market
  - ground applications: 20 gallons water per acre
- Other geographies west of Mississippi River\*
  - ground applications: 20 gallons water per acre
  - aerial applications: 5 gallons water per acre

\* not currently registered in California

#### Western Flower Thrips on Romaine



Untreated



Torac @ 21 fl oz/A

#### Powdery Mildew in Lettuce



Untreated



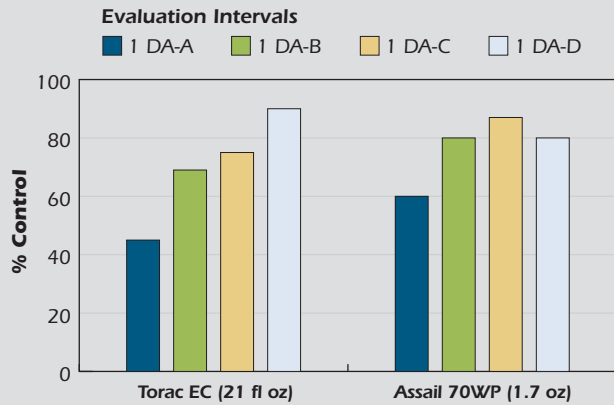
Torac @ 21 fl oz/A

See reverse for additional information >



# Torac EC Insecticide Efficacy

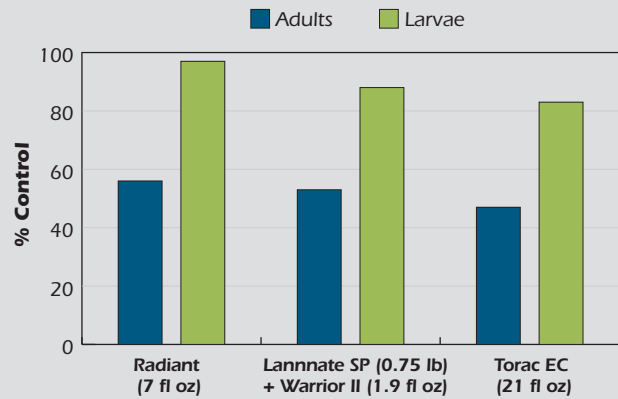
## Green Peach Aphid Control on Lettuce



Precount: 3.25 aphids per plant  
 Untreated Trial Average: 11 aphids per plant; low pest pressure  
 Spray applications: 1, 8, 16 & 24 Feb 2012; 75 GPA

Dr. Dakshina Seal, University of Florida TREC; Homestead, FL

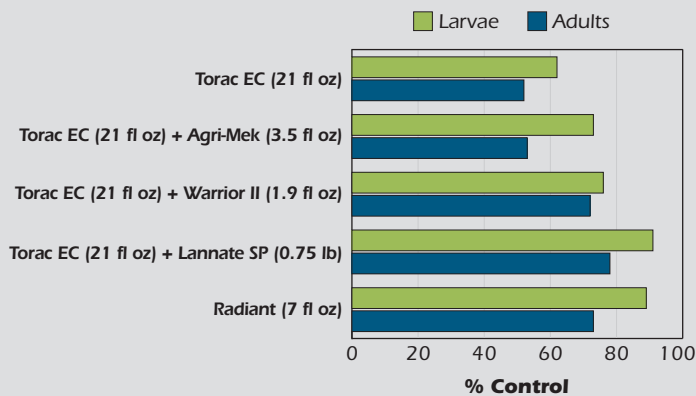
## Torac Efficacy on Western Flower Thrips in Romaine Lettuce



Precount: 7.3 thrips per plant  
 Untreated Trial Average: 18.5 adult thrips per plant; 57.4 larval thrips per plant  
 Two applications, 10 day interval, 20 GPA with 0.25% v/v NIS

John Palumbo Yuma, AZ 2013

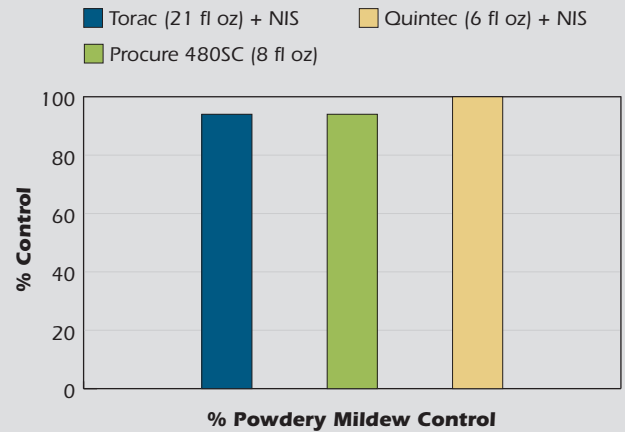
## Torac Tankmix Efficacy on Western Flower Thrips in Romaine Lettuce



Precounts: 6.5 thrips per plant  
 Untreated Trial Average: 6.4 adult thrips per plant, 19.6 larval thrips per plant  
 Three applications 13 day interval, 20 GPA with 0.25% v/v NIS

John Palumbo, Yuma, AZ 2013

## Control of Powdery Mildew on Lettuce



Powdery Mildew: *Erysiphe cichoracearum*; 3 weekly sprays

Mike Matheron, Yuma, AZ 2010

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