Sefina®

Inscalis® Insecticide

Citrus Scale Management and Psyllid Control That is Gentle on Pollinators and Beneficials

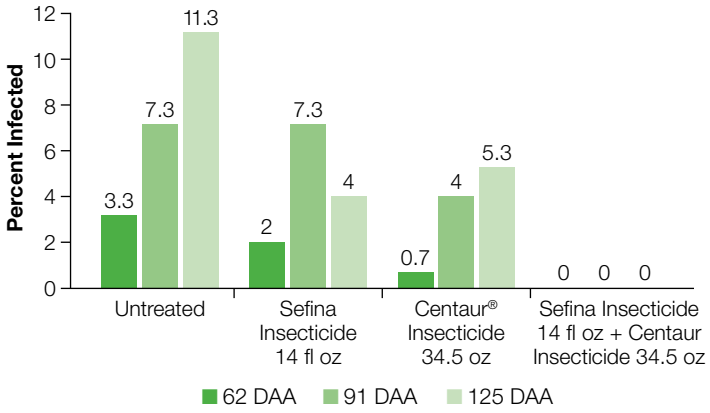
Sefina® Insecticide Provides:

- Fast onset of action that quickly stops insect feeding to limit damage and pathogen transmission
- No pollinator restrictions allow unrestricted bloom time applications
- Compatibility with beneficial insects *Tamaraxia* and ladybugs for Integrated Pest Management
- Unique (IRAC 9D) classification effectively controls Asian Citrus Psyllid (ACP) and takes resistance development pressure off other products
- Tank mix flexible

BASF Image 2018

- Active Ingredient: Afidopyropen
- Mode of Action: Group 9D Pyropenes
  - Chordotonal organ TRPV channel modulators

California Red Scale Control*



Steve Deitz, Sawtooth Ag. Citrus CA Red Scale, Ivanhoe, CA. 2019. All treatments with 0.5% 415 oil. Airblast application 500 GPA (7/2), targeted at 2nd generation of CA red scale.
* Sefina insecticide label claim is for suppression for CA Red Scale.

Sefina insecticide is active on CA red scale crawlers and quickly stops Asian Citrus Psyllid feeding, slowing acquisition of HLB

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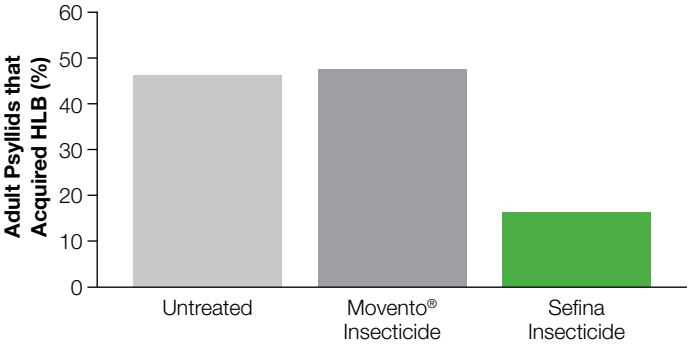
Technical Information Bulletin

Incorporate Sefina® insecticide for an effective and pollinator compatible program to control Asian Citrus Psyllid and manage CA red scale

Best Use Recommendations

- Use Rate: 14.0 fl oz/A
- REI: 12 hours
- PHI: 0 days
- Rainfast: 1 hour
- Minimum Application Interval: 7 days
- Maximum Total Rate/Season: 28 fl oz/A
- Optimum Scale Activity:
  - Spray Timing: Crawler stage scale
  - Use with horticultural oil or other spreading adjuvant
  - Proper sprayer calibration using spray cards
  - Ensure complete plant surface coverage

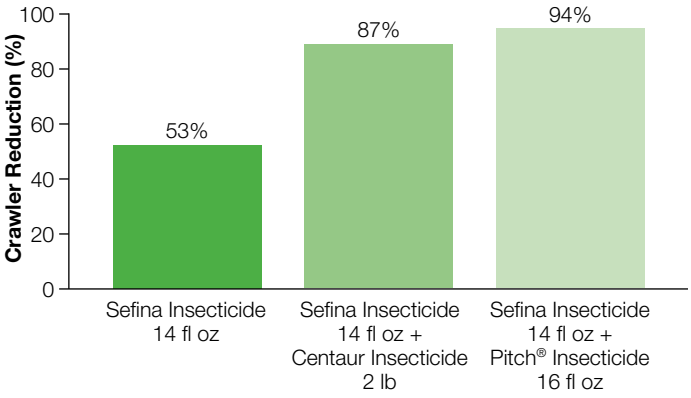
Sefina Insecticide Reduces HLB Acquisition from Infected Citrus Trees



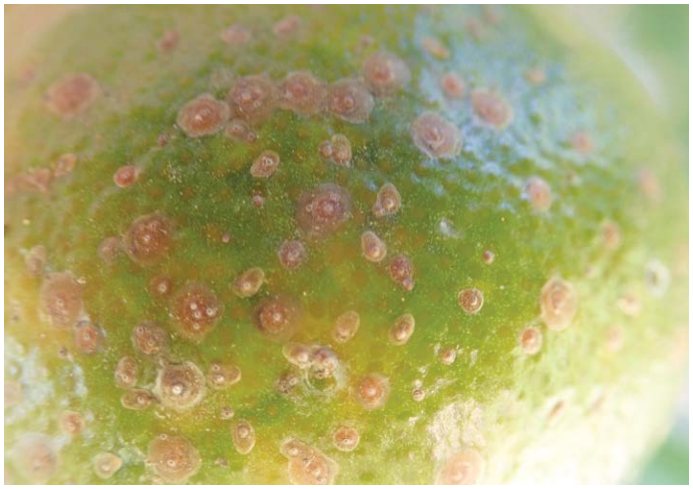
BASF funded research conducted by Dr. Kirsten Stelinski at the University of Florida (2017). Movento and Sefina were applied at 1/10 field use rate.

To learn more about crop protection products from BASF, visit www.agproducts.basf.us

California Red Scale Crawler Reduction



On farm demonstration, grower orchard, Citrus CA. Red Scale, Reedley, CA. 2019. All treatments with 0.68% 415 oil and a folia nutrient. Applied with commerical airblast at 750 GPA.



BASF Image 2018

Conclusions of Chen et al. (2018):

- Inscalis® insecticide is a feeding deterrent to ACP
- Inscalis insecticide reduces ACP egg lay and egg survival
- The direct and indirect effects of Inscalis insecticide make it a useful tool for HLB management

Chen, X.D., M. Ashfaq and L.L. Stellinski, 2018. Susceptibility of Asian citrus psyllid, *Diaphorina citri* (Hemiptera: Levidae), to the insecticide afidopyropen: a new and potent modulator of insect transient receptor potential channels. *Applied Entomology and Zoology.* 53: 453-461.

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