

HEXACIDE™

**A BROAD SPECTRUM INSECTICIDE/MITICIDE FOR USE
IN AGRICULTURE, FRUITS, NUTS AND VEGETABLE CROPS**



OMRI™
Listed
Organic Materials Review Institute

Grow Smart With HEXACIDE™

HEXACIDE™ insecticide/miticide is labeled for use in agriculture and horticulture crops against a broad range of pests, including mites, aphids, white flies, fall armyworm, and Colorado potato beetle. The advanced chemistry of HEXACIDE™ is an ideal foundation for an effective resistance management program.

Mode Of Action

HEXACIDE™ attacks the Octopamine neuroreceptors. Octopamine is a key mite and insect neurotransmitter that regulates movement, heart rate, behavior and metabolism. The product prevents the transmission of Octopamine signals through a blockage of their receptor binding sites. This blockage leads to characteristic signs of toxicity such as excitation, immobilization and/or knockdown, followed by death.

HEXACIDE™ is formulated to deliver maximum performance with minimal environmental impact. The active ingredient of HEXACIDE™ is Rosemary Oil. The product combines an effective active ingredient and unique inert ingredients. This combination produces an effective and broad spectrum insecticide and miticide.

Unparalleled Application

HEXACIDE™ can be applied with ground equipment at anytime, up to and including the day of harvest.

Thorough coverage is essential for optimum control because HEXACIDE™ works by contact. Use ground equipment with quantities of water sufficient to provide thorough coverage of infested plants. Drop nozzles should be used to improve coverage.

As crop canopy increases, additional water volume will improve coverage. Tank mix with an approved spray adjuvant (spreader sticker) to improve coverage and durability of spray deposits.

Applications should be initiated when pests are immatures or at early stage instars. Make applications before noticeable damage occurs (low pest populations) and repeat applications as required to maintain control.

Tank mix Hexacide™ with an agricultural adjuvant (spreader sticker) to improve coverage and performance.

Crops (Including but not limited to)	Hexacide™ Rate Per Acre	Minimum Spray Volume Per Acre
Legume & Fruiting Vegetables: Beans, Eggplants, Lentils, Peanuts, Peas, Peppers, Tomatoes	0.75 - 1.5 Quarts	25 Gallons
Bulb, Cole & Leafy Vegetables: Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	0.75 - 1.5 Quarts	25 Gallons
Cucurbits: Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	0.75 - 1.5 Quarts	25 Gallons
Root & Tuber Vegetables: Artichokes, Potatoes, Radishes, Sweet Potatoes, Turnips	0.75 - 1.5 Quarts	25 Gallons
Small Fruits & Berries: Blackberries, Blueberries, Cranberries, Grapes, Raspberries, Strawberries	0.75 - 1.5 Quarts	50 Gallons
Citrus, Pome & Stone Fruits: Apples, Apricots, Cherries, Grapefruits, Lemons, Oranges, Peaches, Pears	2 - 4 Quarts	100 Gallons
Nuts: Almonds, Cashews, Pecans, Pistachios, Walnuts	2 - 4 Quarts	100 Gallons
Herbs & Spices: Anise, Basil, Celery, Dill, Marigold, Mint, Peppermint, Spearmint, Thyme, Wintergreen	0.5 - 1.0 Quarts	25 Gallons

Safety

- Essential oils used in HEXACIDE™ are approved as Direct Food Additives or classified as GRAS (Generally Recognized As Safe) by the U.S. Food & Drug Administration
- Essential oils used in HEXACIDE™ are commonly used to add flavor and aroma to many cosmetic, beverage and food products
- Toxicity: Acute oral LD50 and dermal LD50 for finished products in excess of 5,000 mg/kg

Extraordinary Efficacy

Independent research conducted by consultants and university researchers highlights high efficacy of the HEXACIDE™ insecticide/miticide products.

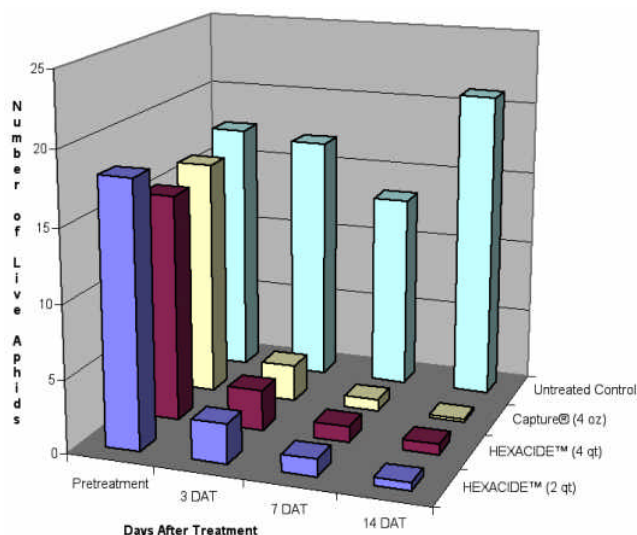
In greenhouse and field studies, HEXACIDE™ provided equivalent results to standard chemical pesticides such as Agri-Mek® and Capture®.

Benefits

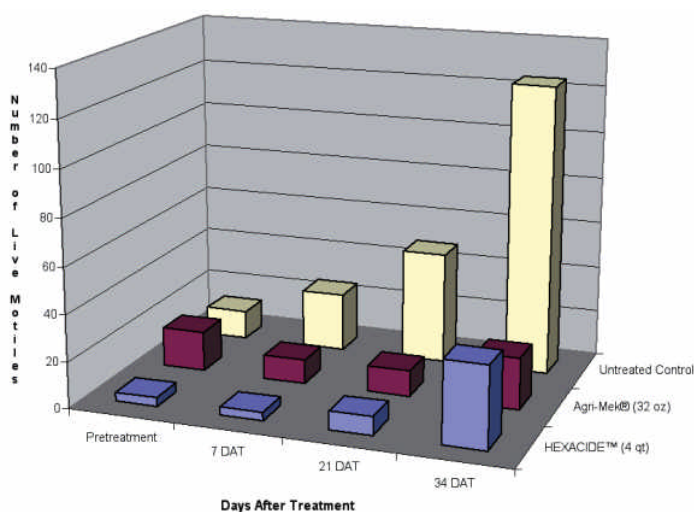
- Cost effective performance
- Can be used through harvest
- Exempt from US EPA registration requirements under FIFRA
- Contact and fast acting product
- Stable formulation with pleasant smell
- Low use rate
- No reentry interval
- Ideal to use against pests that are resistant to pyrethroids and organophosphates
- Broad spectrum control
- Convenient product to handle
- Effective against larvae and nymphs, with activity against eggs and adults of certain pests, such as mites and white flies

Effectiveness of HEXACIDE™ Against Selected Pests

Strawberry Aphid on Strawberries Research For Hire Inc. Porterville, CA



Two-Spotted Spider Mite on Strawberries University of California, Davis



Notice

Information contained in this bulletin is accurate at the time of printing. Always read and follow directions on the product label.

HEXACIDE™ is a trademark of EcoSMART Technologies, Inc. AgriMex® is a trademark of Syngenta Group, Capture® is a trademark of FMC Corporation.

NOTE: Hexacide is a concentrated water-based emulsion. Shake well before using. Keep from freezing.



EcoIPM

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Biocontrol Network
5116 Williamsburg Road
<http://www.biconet.com>

1-800-441-2847