

EnCapcide™ I•LG
BIOLOGICAL INSECTICIDE
Flowable Concentrate Based on the AGCAP™
Microencapsulation System

For Use In or Around Home Flower and
Vegetable Gardens, Home Lawns or Greenhouses

Active Ingredient

Bacillus thuringiensis subspecies kurstaki strain BMP-123

Potency of 3,100 International Units

per milligram* 0.6%

Inert Ingredients: 99.4%
100.0%

*Equivalent to 12 Billion International Units per Gallon

Potency units should not be used to adjust use rates beyond those specified
in the Directions for Use Section.

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel for Additional Precautionary Statements

Lim Laboratories, Inc.
AGBIO Division
409 E. Main St.
Richmond, VA 23219

EPA Reg. No. 66296-3
EPA Est. No. 66296-VA-001

NET CONTENTS 8 FL. OZ.
(16 FL. OZ. (pint); 32 FL. OZ. (quart))

EnCapcide™ and AGCAP™ are trademarks of Lim Laboratories, Inc.

ACCEPTED
APR 04 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 66296-3

General Information

Mode of Action: EnCapcide™ attacks the larval gut and must be ingested to be effective.

Residual Activity: This product is based on the AGCAP encapsulation system which increases the residual activity of the active ingredient by providing it with protection from rapid environmental degradation.

Insects Controlled: EnCapcide™ is a biological insecticide for the control of caterpillars and worms (Lepidopterous larvae). (See Recommended Application Rates section.)

PRECAUTIONARY STATEMENTS:

CAUTION Hazards to Humans & Domestic Animals. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust (vapor or spray mist). Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash contaminated clothing before reuse.

Statement of Practical Treatment: **If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists. **If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **If in eyes:** Flush eyes with plenty of water. Call a physician if irritation persists. **Environmental Hazards:** Do not contaminate water when disposing of equipment washwaters.

Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Refer to the Directions for Use Booklet attached to this container for further directions.

Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

Storage: Store in original container in a cool, dry place inaccessible to children and pets and away from heat and direct sunlight. Protect from freezing. Storage at temperature above 90° F may impair effectiveness.

Disposal: Securely wrap the original container in several layers of newspaper and discard in the trash.

Warranty

Lim warrants that its EnCapcide™ contains the ingredients listed on this label. Lim makes no other warranties, expressed or implied, including without limitation, any warranty of merchantability or fitness for a particular purpose.

DIRECTIONS FOR USE BOOKLET

EnCapcide™ I•LG BIOLOGICAL INSECTICIDE Flowable Concentrate Based on the AGCAP™ Microencapsulation System

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GENERAL USE INSTRUCTIONS

EnCapcide™ attacks the larval gut and, therefore, must be ingested by the insect to be effective.
For most consistent control apply at first sign of newly hatched worms (1st and 2nd instar larvae).
When possible, apply early morning or evening in calm air conditions.
Reapply as necessary under a pest management program that includes close scouting.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
EnCapcide™ is a biological insecticide specific for the control of caterpillars and worms (Lepidopterous larvae).
(See Recommended Application Rates section).
EnCapcide™ may be applied for control of any labeled pest.
Notice: Read "Warranty" on the container before buying or using. If terms are not acceptable, return at once unopened.

MIXING

Always mix EnCapcide™ Flowable Concentrate thoroughly before use by shaking or stirring. Add the recommended amount of EnCapcide™ to the water. Agitate until mixed. Be sure to maintain agitation while loading and spraying to prevent the formulation from settling.

Recommended rates: Mix 3 - 9 tsp. (1 - 3 tbsp) per 2 gallons of water for a hand sprayer to cover an area of 1,000 sq. ft. For heavy worm infestations use the higher EnCapcide™ rate. (See Recommended Application Rates Section for specific amounts.)

Do not allow dilute sprays to remain in the tank for more than 12 hours. Loss of activity of EnCapcide™ may result. Always mix well before use and maintain agitation while spraying to prevent settling.

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RECOMMENDED APPLICATION RATES

VEGETABLES

CROP: Artichokes		
Insect	Rate: Amount/2 gal	Additional Instructions
Artichoke Plume Moth Armyworm Loopers	6 tsp (2 tbs)	

CROP: Asparagus, Beans (Green, Lima, Mung), Broccoli, Brussels Sprouts, Cabbage, Cardoon, Carrots, Cauliflower, Celeriac, Celery, Chick Peas, Chinese Broccoli, Chinese Cabbage, Collards, Cucumbers, Dry Bulb Onions, Eggplants, Garlic, Green Onions, Greens (Dandelion, Turnip, Mustard, Beet, Chive), Herbs (Basil, Cilantro, Dill, Oregano, Thyme, etc.), Horseradish, Kale, Kohl Rabi, Leeks, Lettuce (Endive, Romaine, Head Lettuce, Escarole, Butter Crunch, Leaf, etc.), Melons (Cantaloupe, Crenshaw, Honeydew, Muskmelon, Watermelon, etc.), Okra, Onions, Parsley, Parsnips, Peas, Peppers, Potatoes, Pumpkins, Radishes, Rutabaga, Salsify, Spinach, Squash (Summer and Winter), Sweet Corn, Sweet Potatoes, Swiss Chard, Table Beets, Tomatoes, Turnip Root, Watercress, Yams.		
Insect	Rate: Amount/2 gal	Additional Instructions
Armyworm Diamondback Moth Green Cloverworm Hornworms Imported Cabbageworm Loopers Salt Marsh Caterpillar European Corn Borer	3-6 tsp (1-2 tbs)	Repeat as necessary to maintain control.

FRUIT, NUT, AND VINE FRUITS

CROP: Apples and Pears		
Insect	Rate: Amount/2 gal	Additional Instructions
Fruittree Leafroller Gypsy Moth Redbanded Leafroller Tufted Apple Budmoth Variegated Leafroller Omnivorous Leafroller Tent Caterpillar	4 1/2-9 tsp (1 1/2 - 3 tbs)	Apply when newly hatched larvae appear and before leaves are rolled. Continue applying as a part of the normal cover spray program until pest is adequately controlled. Apply when caterpillars are actively feeding (2nd-4th instars).

CROP: Avocados		
Insect	Rate: Amount/2 gal	Additional Instructions
Loopers Orange Tortrix Omnivorous Leafroller	4 1/2 - 9 tsp (1 1/2 - 3 tbs)	Apply as necessary to maintain control. Begin treatment as soon as possible after hatching and before larvae are protected by leaf.

CROP: Bananas		
Insect	Rate: Amount/2 gal	Additional Instructions
Banana Skipper	4 1/2 - 9 tsp (1 1/2 - 3 tbs)	Hawaii only. Use adequate water to apply to point of runoff.

CROP: Citrus		
Insect	Rate: Amount/2 gal	Additional Instructions
Citrus Cutworm Fruittree Leafroller Orangedog	4 1/2 - 9 tsp (1 1/2 - 3 tbsp)	

CROP: Blueberries, Cranberries, Currants, Kiwi		
Insect	Rate: Amount/2 gal	Additional Instructions
Blueberry Leafroller Cherry Fruitworm Fruittree Leafroller Gypsy Moth Green Fruitworm Orange Tortrix Omnivorous Leafroller	2 - 9 tsp (2/3 - 3 tbsp)	Begin treatment as soon as possible after hatching. For leafrollers, apply before larvae are protected by leaf folds.

CROP: Grapes		
Insect	Rate: Amount/2 gal	Additional Instructions
Grape Leafroller Grape Skeletonizers Omnivorous Leafroller Orange Tortrix Salt Marsh Caterpillar	4 1/2 - 9 tsp (1 1/2 - 3 tbsp)	Use adequate water to obtain thorough coverage of leaf surfaces. Start treating as soon as possible after hatching and before larvae are protected by leaf folds.

CROP: Almonds, Apricots, Cherries, Filberts, Nectarines, Peaches, Pecans, Persimmons, Plums, Pomegranate, Prunes, Walnuts		
Insect	Rate: Amount/2 gal	Additional Instructions
Fall Webworm Filbert Webworm Omnivorous Leafroller Citrus Cutworm Redhumped Caterpillar Tent Caterpillar	4 1/2 - 9 tsp (1 1/2 - 3 tbsp)	For leafrollers, start treating as soon as possible after hatching and before larvae are protected by leaf folds. Apply when caterpillars are actively feeding (2nd to 4th instar).

CROP: Strawberries		
Insect	Rate: Amount/2 gal	Additional Instructions
Armyworm Gypsy Moth Looper Roughskinned Cutworm	3 - 9 tsp (1 - 3 tbsp)	Apply as necessary to maintain control.

SHADE TREES, ORNAMENTALS (INCLUDING ROSES)

Insect	Rate: Amount/2 gal	Additional Instructions
Spring and Fall Cankerworm Elm Spanworm Tent Caterpillar Gypsy Moth Spruce Budworm Jackpine Budworm Douglas Fir Tussock Moth Bagworm California Oak Moth Western Tussock Moth Fruit Tree Leafroller Mimosa Webworm Redhumped Caterpillar Fall Webworm Armyworm	3 - 9 tsp (1 - 3 tbsp)	Apply when leaf expansion reaches 40% to 50% as infestation warrants. If eggs hatch over a long period of time, or if reinfestation occurs, spray about 14 days after first application. Apply when most larvae are 3rd-4th instar. Also consider the opening of the bud cap to ensure foliage exposure. Apply after eggs have hatched and early instar larvae are feeding on exposed foliage.

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