



ISOMATE[®] VMB

FOR ORGANIC PRODUCTION

A MATING DISRUPTION FORMULATION FOR VINE MEALYBUG

Active Ingredient:

Lavandulyl senecioate 94.64 %

Other Ingredients 5.36 %

Total 100.00 %

176.08 mg active ingredients per dispenser.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes or clothing. Harmful if absorbed through skin, swallowed, or inhaled. Causes moderate eye irritation. Avoid breathing vapor. After handling, wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Applicators and other handlers must wear work clothing consisting of long-sleeved shirt and long pants, shoes plus socks, chemical resistant gloves and protective eyewear.

FIRST AID

If on Skin or Clothing: Remove contaminated clothing. Immediately rinse skin for 15-20 minutes using plenty of water. Contact a poison control center or doctor for treatment advice.

If in Eyes: Immediately, hold eyes open, slowly, and gently rinse with water for 15-20 minutes. If wearing contact lenses, rinse eyes for 5 minutes, remove contact lenses, and continue rinsing. Contact a poison control center or doctor for treatment advice.

If Swallowed: Contact a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Contact a poison control center or doctor for treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, call 1-800-999-8805, Monday through Friday, 9 AM to 5 PM.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of this product.

Produced for:

PACIFIC BIOCONTROL CORPORATION

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Made in Japan

EPA Est. No: 47265-JPN-01

EPA Reg. No: 53575-54

Net Contents: 500 Dispensers

One dispenser contains 186.05 mg

Total content of package: 93.03 g

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DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

It is critical that ISOMATE VMB is applied as directed.

ISOMATE VMB is behavior modifying biochemical (pheromone) product that disrupts the mating of vine mealybug (*Planococcus ficus*) on raisin, table and wine grapes.

Rate: 120-200 dispensers per acre. Apply 200 dispensers in vineyards that are high-risk, such as heavily infested vineyards or any vineyard adjacent to an untreated vineyard. Do not exceed 150 g a.i. (equivalent to 852 dispensers) per acre per year. Consult your local pest control advisor or Pacific Biocontrol representative for the application rate for your vineyard.

Timing: For best results, apply prior to vine mealybug emergence (biofix) in the spring. Monitor with pheromone traps and inspection of host sites to determine biofix. Additional applications, if needed, should be based on field scouting. Consult your local pest control advisor or Pacific Biocontrol representative for proper timing or estimated dispenser longevity in your area.

Method of Application: Dispensers must be applied uniformly throughout the treated areas to obtain a reduction in mating. Twist dispensers onto thumb-size canes or trellis wire to secure placement inside the plant canopy close to the main trunk of the vine. If there is a prevailing wind, apply one dispenser to every vine on the upwind side of the vineyard and then uniformly distribute the remaining dispensers across the vineyard. Contact your local technical representative or Pacific Biocontrol for assistance with the placement of dispensers. Wash hands after application.

Application Notes: ISOMATE VMB suppresses mating of target pest. This product only affects adult males and will have no effect on females, eggs, or immatures. ISOMATE VMB is best used in large (> 10 acres), uniform and contiguous areas.

Movement of crawlers or mated females of this species from adjacent external sources of infestation will reduce the level of control. Manage by one or more of the following: a) Treating external sources of infestation with ISOMATE VMB; b) Treating external sources of infestation with an effective insecticide; c) Treatment of pheromone treated field with an effective insecticide.

Monitor insect populations with traps and by visually inspecting the vines and fruit. In vineyards or areas with high populations of vine mealybug, supplemental applications of insecticides will be needed to protect developing fruit. Insecticide applications must be timed to control emerging vine mealybug.

All pests must be monitored to facilitate timely intervention with effective insecticides.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original unopened package in a dry location at temperatures below 40°F. To prevent contamination with food or feed, store only unopened product packages in cold storage facilities that are used for food or feed.

Pesticide Disposal: Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Dispose of empty foil packet in the trash.

WARRANTY AND LIMITATION OF DAMAGES

The directions for use of this product are believed to be adequate and must followed carefully. Pacific Biocontrol Corporation warrants that the product complies with the specifications expressed in this label. To the extent consistent with applicable law, Pacific Biocontrol Corporation makes no other warranties, and disclaims all other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, Pacific Biocontrol Corporation's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Pacific Biocontrol Corporation shall have no liability for damages (special, consequential or incidental) that result from handling, storage and use of this product, which is not in compliance with the label. Use of this product implies all directions of this label have been read carefully. Read all directions carefully.