



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 14, 2021

Kathy A. Bolan  
Regulatory Consultant  
14615 NE 13th Court, Suite A  
Vancouver, WA 98685

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment –  
Amendment to Reduce Number of Dispenser Applications  
Product Name: Isomate VMB  
EPA Registration Number: 53575-54  
Application Date: 5/31/21  
Salesforce Case Number: 00304655

Dear Ms. Bolan:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false

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or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Chris Pfeifer of my team by phone at (703) 308-0031 or via email at [pfeifer.chris@epa.gov](mailto:pfeifer.chris@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

LOT # \_\_\_\_\_



# ISOMATE® VMB

FOR ORGANIC PRODUCTION

## A MATING DISRUPTION FORMULATION FOR VINE MEALYBUG

<b>ACCEPTED</b>
09/14/2021
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 53575-54

<b>Active Ingredient:</b>
Lavandulyl senecioate ..... 94.64 %
<b>Other Ingredients</b> ..... 5.36 %
<b>Total</b> ..... 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 a 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, 9AM to 5PM.

**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**  
14615 NE 13th Court, Suite A, Vancouver, WA 98685 U.S.A.  
Telephone (360) 571-2247 or 1-800-999-8805  
www.pacificbiocontrol.com

Made in Japan  
EPA Est. No: 47265-JPN-01  
EPA Reg. No: 53575-54

Net Contents: 500 Dispensers

ISOMATE® is a registered Trademark of Pacific Biocontrol Corporation.

## 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 be 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.