



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

53575-54

Date of Issuance:

5/7/2021

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Isomate VMB

Name and Address of Registrant (include ZIP Code):

Pacific Biocontrol Corporation
 14615 NE 13th Court, Suite A
 Vancouver, WA 98685

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

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

Date:

5/7/2021

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 53575-54.”
4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 02/02/2021

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Alex Horansky of my team by phone at (703) 347-0128 or via email at Horansky.alex@epa.gov.

Sincerely,



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

ACCEPTED

05/07/2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 53575-54

Active Ingredient:

Lavandulyl seneciolate 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 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-XX

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: 200 dispensers per acre. Do not exceed 150 g a.i. per acre per year.

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: a) Treatment of external sources of infestation with **ISOMATE VMB**; b) Treatment of 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.