

4-195

6/21/2010

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Reg. Number:  
4-195

Date of Issuance:  
JUN 21 2010

NOTICE OF PESTICIDE:  
 \_ Registration  
 X Reregistration  
 (under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:  
**BONIDE® MOSQUITO**  
**LARVICIDE**

Name and Address of Registrant (include ZIP Code):  
 Ms. Rebecca Horton, Consultant/Agent for Bonide Products, Inc.  
 Registrations by Design, Inc.  
 P.O. Box 1019  
 Salem, VA 24153

*5876923*  
*676/1275*

~~Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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 reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his 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 this 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.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The basic Confidential Statement of Formula (CSF) dated "Aug. 28, 2008" is accepted and replaces all CSFs previously accepted for this product.

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

**See page 2 for required changes to labeling.**

You must submit one (1) copy of the final printed labeling before you release the product for shipment. Products shipped after 12 months from the date of this Notice or the next printing of the label whichever occurs first, must bear the new revised label. A stamped copy of the label is enclosed for your records. If you have any questions, please contact William Jacobs at 703-305-6406 or [jacobs.bill@epa.gov](mailto:jacobs.bill@epa.gov).

Signature of Approving Official:  
 Venus Eagle, Product Manager 01  
 Insecticide-Rodenticide Branch  
 Registration Division (7505P)

*Venus Eagle*

Date:  
JUN 21 2010

**Label Changes for EPA Reg. No. 4-195**

The changes identified below must be made to the proposed labeling dated "June 15, 2010".

**VERSION A (Commercial)**

1. In the second sentence of the first paragraph under "**DIRECTIONS FOR USE**", replace "workers or other persons," with "adults, children, or pets,".
2. In the only sentence of the third paragraph under "**DIRECTIONS FOR USE**", replace "enter or allow others" with "allow adults, children, or pets".

**VERSION B (Residential)**

No changes are needed.

**VERSION A**  
**(Commercial)**



## MOSQUITO LARVICIDE

Optional Marketing Statements:

For use on sewage and drainage ditches, catch basins, salt marshes, swamps and stagnant water pools.

Kills larvae and pupa stages of mosquitoes.

**ACTIVE INGREDIENT:**

Mineral Oil\* (CAS #8012-95-1)..... 98%

**OTHER INGREDIENTS:**..... 2%

**TOTAL**..... 100%

\*Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**ACCEPTED**  
**With COMMENTS**  
**In EPA Letter Dated:**  
**JUN 21 2010**  
**Under the Federal Insecticide, Fungicide**  
**and Rodenticide Act, As amended, for the**  
**pesticide Registered under EPA Reg. No:**  
**4-195**

See side/back/other panel(s) for additional precautionary statements and First Aid.

**NET CONTENTS:** \_\_\_\_\_

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

- |                    |   |
|--------------------|---|
| <b>If in Eyes:</b> | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul> |
|--------------------|---|

**Note to Physician:** This product contains petroleum distillates and may pose an aspiration pneumonia problem.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeve shirt and long pants,
- shoes plus socks, and
- chemical-resistant gloves

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**Engineering Controls:** Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

**User Safety Recommendations**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, except as directed for use on this label. Aquatic organisms may be killed in waters where this pesticide is used. Consult with the State agency with primary

responsibility for regulating pesticides before applying to public waters to determine if a permit is needed. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not apply this product through any type of irrigation system (i.e., via chemigation). Do not enter or allow others to enter until sprays have dried.

**SPRAY DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application (ground, aerial, or airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product. The restrictions pertaining to wind speed, temperature inversions, and droplet size apply to all of the methods of application permitted for this product.

**Wind Speed:** Do not apply at wind speeds greater than 15 mph at the application site.

**Temperature Inversions:** If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions.

**Droplet Size:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

**Ground Spray Applications:** Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

**Airblast Applications:** Turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in citrus applications, spray must be directed into the canopy.

**Aerial Applications:** Do not release spray at a height greater than 10 feet above the ground, top of crop, or above the orchard canopy.

**Boom Length:** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade's diameter.

**Swath Adjustment:** When applications are made cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downward edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

Bonide® Mosquito Larvicide does not depend on life-cycle time for effectiveness. As it kills by suffocation, mosquitoes do not develop resistance. When applied as directed, this product does not leave a dark oily film.

**Application Directions**

Bonide® Mosquito Larvicide is designed for surface application to intermittently flooded areas, temporary rain pools, sloughs and log ponds. Mixture with water (milky appearance) should be avoided or minimized. Do not apply this product under high pressure or at high velocity. Adjust spray nozzle for partial cone pattern. Equipment used to apply other materials should be cleaned by rinsing first with diesel fuel or fuel oil, then with larvicide

**GROUND APPLICATION:** Apply at rates of one to five gallons per acre (3 to 15 fl. oz. per 1,000 sq. ft.) depending on water surface conditions and vegetative density. Use 1 to 2 ½ gallons per acre (3 to 7½ fl. oz. per 1,000 sq. ft.) if trees are in green tip stage and vegetative cover is light and water is essentially clean. To penetrate heavier or denser vegetative cover, or if water is substantially polluted, use 2 ½ to 5 gallons per acre (7½ to 15 fl. oz. per 1,000 sq. ft.). An average rate of 2 ½ to 3 gallons per acre (approximately 1 quart to 5,000 sq. ft. – 50' x 100' area, 7½ to 9 fl. oz. per 1,000 sq. ft., or 2 to 4 teaspoons per 100 sq. ft. = 10' x 10' area) of water surface covers most conditions.

**AERIAL APPLICATION:** Apply at rates of two to four gallons per acre for salt marshes and swamps. Adjust for vegetation or surface conditions. Average rate of 3 gallons per acre (36 gallons per 100 ft. swath mile) covers most conditions.

Apply to leave a thin film over surface of breeding areas. Include treatment of drainage ditches, catch basins, stagnant pools, open sewage basins to improve overall control. Since high pressures or high velocities are not needed, lighter equipment can be effectively used. Since mosquitoes can hatch in 5-7 days of warm weather, any stagnant water expected to be exposed for that period or longer should be treated.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store and transport in an upright position. Store in original container in a cool, dry area.

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

[For containers ≤ 5 gallons]:

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[For containers > 5 gallons]:

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

**WARRANTY**

Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller'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, Seller shall have no liability for consequential damages.

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

[Batch Code inserted at production]

**VERSION B**  
(Residential)



# MOSQUITO LARVICIDE

Optional Marketing Statements:

For use on sewage and drainage ditches, catch basins, salt marshes, swamps and stagnant water pools.

Kills larvae and pupa stages of mosquitoes.

**ACTIVE INGREDIENT:**

Mineral Oil\* (CAS #8012-95-1)..... 98%

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## CAUTION

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**NET CONTENTS:** \_\_\_\_\_



**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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**Note to Physician:** This product contains petroleum distillates and may pose an aspiration pneumonia problem.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear long-sleeved shirt, long pants, shoes, socks and waterproof gloves when using or handling this product.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, except as directed for use on this label. Aquatic organisms may be killed in waters where this pesticide is used. Consult with the State agency with primary responsibility for regulating pesticides before applying to public waters to determine if a permit is needed. For terrestrial uses, do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**DIRECTIONS FOR USE**

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

Do not apply this product in any way that it will contact other persons or pets, either directly or through drift. Keep other persons out of the treated area during application. Do not allow persons or pets to enter the treated area until sprays have dried.

Bonide® Mosquito Larvicide does not depend on life-cycle time for effectiveness. As it kills by suffocation, mosquitoes do not develop resistance. When applied as directed, this product does not leave a dark oily film.

**Application Directions**

Bonide® Mosquito Larvicide is designed for surface application to intermittently flooded areas, temporary rain pools, sloughs and log ponds. Mixture with water (milky appearance) should be avoided or minimized. Do not apply this product under high pressure or at high velocity. Adjust spray nozzle for partial cone pattern. Equipment used to apply other materials should be cleaned by rinsing first with diesel fuel or fuel oil, then with larvicide.

GROUND APPLICATION: Apply at rates of 3 to 15 fl. oz. per 1,000 sq. ft. depending on water surface conditions and vegetative density. Use 3 to 7½ fl. oz. per 1,000 sq. ft. if trees are in green tip stage and vegetative cover is light and water is essentially clean. To penetrate heavier or denser vegetative cover, or if water is substantially polluted, use 7½ to 15 fl. oz. per 1,000 sq. ft. An average rate of approximately 1 quart to 5,000 sq. ft. – 50' x 100' area, 7½ to 9 fl. oz. per 1,000 sq. ft., or 2 to 4 teaspoons per 100 sq. ft. = 10' x 10' area of water surface covers most conditions.

Apply to leave a thin film over surface of breeding areas. Include treatment of drainage ditches, catch basins, stagnant pools, open sewage basins to improve overall control. Since high pressures or high velocities are not needed, lighter equipment can be effectively used. Since mosquitoes can hatch in 5-7 days of warm weather, any stagnant water expected to be exposed for that period or longer should be treated.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store and transport in an upright position. Store in a cool dry area inaccessible to children or pets.

**Pesticide Disposal:** *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Disposal:** *If empty* – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

**WARRANTY**

Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller'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, Seller shall have no liability for consequential damages.

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