



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511C)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:

75318-3

Date of Issuance:

3/28/05

Term of Issuance:

Unconditional

Name of Pesticide Product:

B2E-04

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

B2E Biotech, LLC
500 Mamaroneck Ave., Suite 201
Harrison, NY 10528

773045 | B67
MD | 17

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/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.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

- 1. Change "EPA File Symbol No.75318-3" on the label to, "EPA Reg. No.75318-3."

Signature of Approving Official:

[Handwritten Signature]

(See second page for signature)

Date:

3/28/05

EPA Reg. No. 75318-3

2. Submit three (3) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
3. This product registration is subject to all applicable terms and conditions of registration of the manufacturing use product from which this product is formulated.

Sincerely,



Janet L. Andersen, Director
Biopesticides and Pollution
Prevention Division (7511C)

ACCEPTED
MAR 28 2005
Under the Federal Insecticides, Fungicides, and Rodenticides Act, as amended, for the pesticide registered under EPA Reg. No. 75318-3.

**B2E - 04
MASTER LABEL**

An Insect Growth Regulator
(to prevent the emergence of adult mosquitoes)
(to prevent the emergence of adult mosquitoes - retail label)
(to prevent the emergence of adult filter flies & non-biting midges)

ACTIVE INGREDIENT:
(S)-Methoprene (CAS #65733-16-6)..... 4.25%
OTHER INGREDIENTS:..... 95.75%
Total:.....100.00%

This product contains residual water; therefore the weight of the pellets and percent by weight of active ingredient will vary with hydration. The ingredient statement is expressed on a dry weight basis.

EPA Reg No. 75318-
EPA Est. No.

NET CONTENTS: _____

KEEP OUT OF REACH OF CHILDREN
CAUTION
See (back panel) (side panel) (insert label) for additional precautionary statements

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-XXX-XXX-XXXX for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

Do not apply to water that drains into public waterways.

(Directions for Use for B2E-04 to prevent the emergence of adult mosquitoes)**A SUSTAINED RELEASE PELLET TO PREVENT ADULT MOSQUITO EMERGENCE
(INCLUDING THOSE WHICH MAY TRANSMIT WEST NILE VIRUS)****INTRODUCTION**

B2E-04 releases effective levels of S-Methoprene insect growth regulator for up to 7 days in mosquito breeding sites. The active ingredient is released over time as the pellets slowly dissolve. Treated larvae continue to develop normally to the pupal stage where they die. **B2E-04** prevents the emergence of adult mosquitoes from treated sites.

DIRECTIONS FOR USE

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

APPLICATION DIRECTIONS

Apply **B2E-04** to mosquito breeding sites at any time during the mosquito season. **B2E-04** is effective on 1st, 2nd, 3rd, and early 4th instar larval mosquitoes to prevent adult emergence. Under typical environmental conditions, one application will control for up to 7 days. Continue treatments on regular intervals throughout the mosquito season.

Apply **B2E-04** prior to flooding (i.e. "pre-hatch") to the manmade breeding sites listed on the label which flood intermittently. In such areas, one application of **B2E-04** prevents adult mosquito emergence for several subsequent floodings. The actual length of control depends on the duration and frequency of flooding events.

Apply the pellets in the lowest areas of each site to maintain continuous control as the site alternately floods and dries. Pellets will release active ingredient that will disperse throughout the site. As sites begin drying, larvae will move with the water as it recedes into low areas containing pellets, insuring effective control. Alternate wetting and drying will not reduce pellet effectiveness.

NOTE: The active ingredient S-Methoprene has no effect on mosquitoes that have reached the pupal or adult stage prior to treatment.

APPLICATION RATES

Select target mosquito species and corresponding application rate per acre.

Aedes, Ochlerotatus, Anopheles and Psorophora spp.

2.5 – 5.0 lbs per acre

Culex, Culiseta, Coquillettidia and Mansonia spp.

5.0 – 10.0 lbs per acre

Within these ranges, use lower rates when water is shallow [<2 ft], vegetation and/or organic matter is minimal. Use higher rates when water is deep [>2 ft], vegetation and/or organic matter is heavy. Application of **B2E-04** to sites subject to water flow or exchange will diminish the product's effectiveness and requires higher application rates and/or more frequent applications.

APPLICATION SITES

Apply **B2E-04** pre-hatch or post-hatch as directed above **ONLY** to the following water sites: woodland pools and meadows, pastures and rangeland vineyards, fruit and nut orchards, berry fields, peat bogs, ornamental water hyacinth beds, vegetation-choked phosphate pits, dredge spoil sites, wastewater treatment facilities, waste settling ponds, sewers, septic ditches, animal waste effluent lagoons, storm water retention basins, retention and detention ponds, tree holes, log decks, tires with standing water, ornamental ponds and fountains, flooded crypts, transformer vaults, abandoned swimming pools, and artificial water-holding containers.

**(Directions for Use for B2E-04 to prevent the emergence of adult mosquitoes –
retail label)**

KILLS MOSQUITOES BEFORE THEY HATCH INCLUDING THOSE THAT MAY TRANSMIT WEST NILE VIRUS MOSQUITO LARVICIDE - 7 DAY PROTECTION

INTRODUCTION

Mosquitoes can be both a nuisance and a serious health threat to people and pets. The recent introduction of mosquito borne West Nile Virus into the United States has made mosquito control more important than ever. In addition to encephalitis, mosquitoes may transmit malaria, dengue, yellow fever and heartworm disease to dogs and cats. **B2E-04** prevents larvae from completing development into biting adult mosquitoes. To treat areas that hold water where mosquitoes breed, sprinkle **B2E-04** pellets to treat standing water areas where mosquitoes may breed. Apply 1 teaspoon per 100 square feet (10 feet x 10 feet). Apply additional pellets as necessary to control larger areas. **B2E-04** offers mosquito control for up to 7 days.

DIRECTIONS FOR USE

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

TREATMENT AREAS

- Bird Baths
- Old Tires
- Flower Pots
- Ornamental Fountains
- Urns
- Rain Barrels
- Roof Gutters
- Tree Holes
- Ornamental Water Gardens
- Pool Covers
- Ornamental Fish Ponds
- Abandoned Swimming Pools
- Animal Watering Troughs
- Other water holding receptacles

GENERAL DIRECTIONS

Place **B2E-04** in mosquito breeding sites before the beginning of the mosquito season, or at any time during the mosquito season. Apply **B2E-04** to known breeding sites when the sites are dry to prevent mosquitoes from hatching after rainfall or flooding. Under normal conditions, 1 application will last up to 7 days. Alternate wetting and drying will not reduce pellet effectiveness. **NOTE:** S-Methoprene insect growth regulator has no effect on mosquitoes that have already reached the pupal or adult stage at the time of treatment.

APPLICATION SITES

Apply **B2E-04** as directed above to the following temporary and permanent sites which support mosquito larval development: Bird Baths, Old Tires, Flower Pots, Ornamental Fountains, Urns, Rain Barrels, Roof Gutters, Tree Holes, Ornamental Water Gardens, Pool Covers, Ornamental Fish ponds, Abandoned Swimming Pools, Animal Watering Troughs, and other water holding receptacles.

APPLICATION RATES

Quantity of Pellets	Treatment Surface Area (Less than 2 ft. deep)
1 Teaspoon	up to 100 Square Feet (10 x 10)
1/4 Cup	up to 556 Square Feet (24 x 24)
1/2 Cup	up to 1,130 Square Feet (34 x 34)
3/4 Cup	up to 1,690 Square Feet (41 x 41)
1 Cup	up to 2,180 Square Feet (47 x 47)

Do not use teaspoons or measuring cups for food purposes after use with insecticides

STORAGE AND DISPOSAL

Storage: Store closed containers of B2E-04 in a cool, dry place. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partially filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

(Directions for Use for B2E-04 to prevent the emergence of adult filter flies & non-biting midges)

AN INSECT GROWTH REGULATOR TO PREVENT THE EMERGENCE OF NUISANCE FILTER FLIES AND MIDGES

INTRODUCTION

B2E-04 is a unique product that controls filter flies (*Psychodidae*), midges (*Chironomidae*) and other nuisance aquatic insect species infesting waste water treatment facilities and aquatic habitats. B2E-04 contains an insect growth regulator (IGR) that effectively controls the last stage of these insect pests. B2E-04 does not control adults but prevents the larval stage from developing into flying adults. For best results, maintain regular treatment of pest populations to prevent the development of nuisance fly levels.

DIRECTIONS FOR USE

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

APPLICATION DIRECTIONS

B2E-04 releases effective levels of an Insect Growth Regulator for up to 7 days under typical environmental conditions. Continue treatments through the last brood of the season. Treated larvae continue to develop normally to the pupal stage where they die. **NOTE:** This insect growth regulator has no effect on midges or filter flies that have reached the pupal or adult stage prior to treatment.

APPLICATION SITES AND RATES

MIDGE HABITAT	RATES (LB/ACRE)
Apply pellets uniformly to the water surface of listed use sites which support midge larval development. Repeat application as necessary.	5 to 10 lbs.
FILTER FLY HABITAT	RATES (LB/ACRE)
Filter flies are waste water treatment pests that inhabit sludge drying beds, clarifiers, holding tanks or ponds, sewage lagoons, evaporation ponds, paper or food waste ponds, stagnant or standing water, or other standing wastewater treatment areas where midges, filter flies, and other nuisance aquatic insect pests are a problem.	5 to 10 lbs.

Within these ranges, use lower rates when water is shallow (<2 ft), vegetation and/or organic matter is minimal. Use higher rates when water is deep (>2 ft), vegetation and/or organic matter is heavy. Application of B2E-04 to sites subject to water flow or exchange will diminish the product's effectiveness and requires higher rates and/or more frequent applications.

APPLICATION METHODS

MIDGES

Apply **B2E-04** up to 15 days prior to flooding, or at any stage of larval development after flooding or in permanent manmade water sites. Use fixed wing aircraft and helicopters equipped with granular spreaders capable of applying rates from 5 to 10 lb/acre. The pellets can also be applied using ground equipment, such as hand or motorized spreaders, or backpack blowers which will deliver the above rates. Even coverage over the entire water surface will provide best product performance.

FOOD AND PAPER PROCESSING PLANTS

To prevent food and paper contamination by aquatic midges and filter flies, identify all water holding areas that breed such as waste water ponds, sewage lagoons, food waste ponds, floor drains, catch basins, sludge drying beds, etc. Treat all potential breeding areas. Place particular emphasis on highly organic water areas.

WASTE WATER NUISANCE PESTS

To control solid waste areas, including sludge and retention ponds, an initial high rate of 10 lbs/acre is recommended. Uniformly apply **B2E-04** to the surface of sludge drying beds immediately after filling to prevent midge and filter fly emergence. Application of **B2E-04** to solids will prevent the emergence of adult insect pests thereby keeping infestations under control. For applications in manmade aquatic habitats, including waste water treatment facilities, evaporation ponds, sewage lagoons, manure runoff areas, retention ponds, and holding tanks, apply **B2E-04** pellets uniformly over the pond surface. In situations where the ponds are large, make applications as a 20 foot perimeter band out from the pond bank using the highest rate.

WHAT TO EXPECT IN WASTE WATER FACILITIES

A gradual reduction in the number of adult pests will be seen over a 1 week period after initial applications of **B2E-04**. Reduction in adult populations will be noticeable within a 2 week period following the application. Due to varying conditions such as heavy infestations or cool temperatures, the period required to achieve control can be longer. Since the mode of action of **B2E-04** is to prevent adult emergence, existing adults and pupae present at the time of initial application will complete their life cycle.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in a cool, dry place.

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

Do not reuse container. Triple rinse or equivalent, then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND CONDITIONS OF SALE

Seller makes no warranty, express or implied, concerning the use and handling of this product other than indicated on the label. To the fullest extent permitted by law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

Always read the label before using this product.

For information call 1-XXX-XXX-XXXX or visit our web site: www._____.com

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