

69504-2

03/10/2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division
1200 Pennsylvania Ave. NW
Washington, D.C. 20460

EPA Reg. Number:

69504-2

Date of Issuance:

MAR 10 2006

NOTICE OF PESTICIDE:

X Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Meridian-02

Name and Address of Registrant (include ZIP Code):

Meridian LLC
17560 SW Woodhaven Drive
Sherwood, OR 97140

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 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/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
- 2) Add the phrase "EPA Reg. No. 69504-2" to the product label.
- 3) Submit two (2) copies of your final printed labeling before release of the product for shipment.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Dennis Szuhay, Chief, Microbial Pesticides Branch
Biopesticides and Pollution Prevention Division (7511C)

Date:

MAR 10 2006

EPA Form 8570-6

CONCURRENCES

SYMBOL	75						
SURNAME	Re...						
DATE	3-8						

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MERIDIAN - 02

Sublabel A:	Commercial Use – small/large briquet
Sublabel B:	Commercial Use – small/large briquet (catch basin)
Sublabel C:	Residential Use – small/large briquet
Optional Label Claims	

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins* 7.00%

OTHER INGREDIENTS: 93.00%

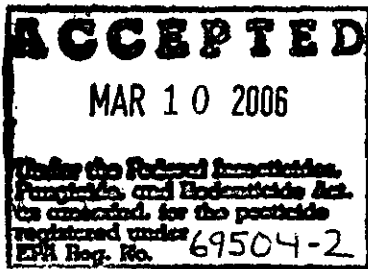
TOTAL: 100.00%

* Equivalent to 490 International Toxic Units (ITU/mg) Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

EPA Reg. No.: (Pending as File Symbol 69504-E)

EPA Establishment No.: XXXXX-XX-XX

Manufactured for:
MERIDIAN LLC
17560 SW Woodhaven Drive
Sherwood, OR 97140



Sublabel A: Commercial Use – small/large briquet

MERIDIAN - 02

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins* 7.00%

OTHER INGREDIENTS: 93.00%

TOTAL: 100.00%

* Equivalent to 490 International Toxic Units (ITU/mg) Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible. • Call poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call poison control center or doctor for treatment advice.
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, and then continue rinsing eyes. • Call poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

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DIRECTIONS FOR USE

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

MERIDIAN-02 is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats for up to [45 days (for small briquet)] [150 days (for large briquet)] or more. **MERIDIAN-02** briquets release effective levels of *Bacillus thuringiensis* subspecies *israelensis* (Bti) to the water surface over time as the briquet dissolves.

MERIDIAN-02 can be applied to areas that contain aquatic life, fish and plants. **MERIDIAN-02** can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife. Apply **MERIDIAN-02** to any water sites except treated, finished water reservoirs or drinking water receptacles.

APPLICATION SITES

Examples of application sites include, but are not limited to: Flood water, roadside ditches, irrigation ditches, rice fields, pastures, woodland pools, snowmelt pools, tidal water, salt marshes, storm drains, catch basins, storm water retention areas, detention ponds, lakes, golf course ponds, irrigation ponds, ornamental zoo ponds, abandoned swimming pools, ornamental ponds, fish ponds, water gardens, greenhouses, nurseries, tree holes, animal drinking troughs, standing water, water holding receptacles (old tires, urns, flower pots, cans and other containers), man made and natural sites where mosquitoes may develop.

APPLICATION TIME

Apply **MERIDIAN-02** to known mosquito breeding sites before, or at any time during the mosquito season. Apply **MERIDIAN-02** to known breeding sites when the sites are dry and briquets will begin releasing Bti when flooding occurs. Under typical environmental conditions, one (1) application will control for [45 days (for small briquet)] [150 days (for large briquet)] or more. Alternate wetting and drying will not reduce briquet effectiveness. **MERIDIAN-02** briquets perform optimally under shaded conditions.

The active ingredient Bti has no effect on mosquitoes that have reached the pupal or adult stage prior to treatment. Allow a minimum of 48 hours for control.

APPLICATION RATES

For control of mosquito larvae, place one (1) briquet in sites up to 100 square feet of surface area. For large sites, apply 1 additional briquet for each additional 100 square feet of water surface, regardless of water depth. When mosquito populations are high, water is heavily polluted, and/or algae are abundant, double the above application rate

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place.

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

Container Disposal: Do not reuse empty carton or packaging material. Perforate or crush and discard carton in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

S/M

NOTICE TO USER

Seller makes no warranty express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with label instructions.

EPA Reg. No.: (Pending as File Symbol 69504-E)

EPA Establishment No.: XXXXX-XX-XX

Manufactured for:

MERIDIAN LLC

17560 SW Woodhaven Drive

Sherwood, OR 97140

Net Contents: (12.5 g = small briquet) (44 g = large briquet)

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Sublabel B: Commercial Use – small/large briquet (catch basin)

MERIDIAN - 02

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins* 7.00%

OTHER INGREDIENTS: 93.00%

TOTAL: 100.00%

* Equivalent to 490 International Toxic Units (ITU/mg) Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible. • Call poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call poison control center or doctor for treatment advice.
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, and then continue rinsing eyes. • Call poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

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DIRECTIONS FOR USE

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

MERIDIAN-02 is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats for up to [45 days (for small briquet)] [150 days (for large briquet)] or more. **MERIDIAN-02** briquets release effective levels of *Bacillus thuringiensis* subspecies *israelensis* (Bti) to the water surface over time as the briquet dissolves.

MERIDIAN-02 can be applied to areas that contain aquatic life, fish and plants. **MERIDIAN-02** can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife. Apply **MERIDIAN-02** to any water sites except treated, finished water reservoirs or drinking water receptacles.

APPLICATION SITES

Examples of application sites include, but are not limited to: storm drains, catch basins, underground drainage systems, storm water retention areas, detention ponds, abandoned swimming pools, ornamental fountains and ponds, fish ponds, water gardens, tree holes, animal drinking troughs, standing water, water holding receptacles (old tires, urns, flower pots, cans and other containers), man made and natural sites where mosquitoes may develop.

APPLICATION TIME

Apply **MERIDIAN-02** to known mosquito breeding sites before, or at any time during the mosquito season. Apply **MERIDIAN-02** to known breeding sites when the sites are dry and briquets will begin releasing Bti when flooding occurs. Under typical environmental conditions, one (1) application will control for [45 days (for small briquet)] [150 days (for large briquet)] or more. Alternate wetting and drying will not reduce briquet effectiveness. **MERIDIAN-02** briquets perform optimally under shaded conditions.

The active ingredient Bti has no effect on mosquitoes that have reached the pupal or adult stage prior to treatment. Allow a minimum of 48 hours for control.

APPLICATION RATES

For control of mosquito larvae, place one (1) briquet in sites up to 100 square feet of surface area. For large sites, apply 1 additional briquet for each additional 100 square feet of water surface, regardless of water depth. When mosquito populations are high, water is heavily polluted, and/or algae are abundant, double the above application rate.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place.

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

Container Disposal: Do not reuse empty carton or packaging material. Perforate or crush and discard carton in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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NOTICE TO USER

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EPA Reg. No.: (Pending as File Symbol 69504-E)

EPA Establishment No.: XXXXX-XX-XX

Manufactured for:

MERIDIAN LLC

17560 SW Woodhaven Drive

Sherwood, OR 97140

Net Contents: (12.5 g = small briquet) (44 g = large briquet)

9/14

Sublabel C: Residential Use – small/large briquet

MERIDIAN - 02

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *israelensis* Strain BMP 144 solids, spores and insecticidal toxins* 7.00%

OTHER INGREDIENTS: 93.00%

TOTAL: 100.00%

* Equivalent to 490 International Toxic Units (ITU/mg) Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: Do not apply to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible. • Call poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call poison control center or doctor for treatment advice.
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, and then continue rinsing eyes. • Call poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

DIRECTIONS FOR USE

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

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INTRODUCTION

Mosquitoes are 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 can transmit malaria, dengue, yellow fever and heartworm disease to dogs and cats. **MERIDIAN-02** prevents mosquitoes from completing development into biting adults.

GENERAL DIRECTIONS

Use **MERIDIAN-02** to treat mosquito breeding sites in early spring, or at any time during the mosquito season. Apply **MERIDIAN-02** to nearby low areas that hold rain or runoff water and produce mosquitoes, even when the sites are dry. Under typical environmental conditions, one (1) application will control for [45 days (for small briquet)] [150 days (for large briquet)]. Repeat treatments as needed to prevent adult mosquito emergence. Alternate wetting and drying will not reduce briquet effectiveness, and may extend the control period. **MERIDIAN-02** briquets perform optimally under shaded conditions.

MERIDIAN-02 is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats. Apply **MERIDIAN-02** to containerized standing water or any private water sites except treated, finished drinking water reservoirs, drinking water receptacles or state waters. **MERIDIAN-02** can be applied to areas that contain aquatic life, fish and plants. **MERIDIAN-02** can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

Treatment Areas (For Use In):

Bird baths	Drains	Buckets
Statuary	Stock tanks	Plastic covers
Old tires	Pool covers	Plant trays
Flower pots	Abandoned swimming pools	Planters
Tree holes	Unused swimming pools or spas	Garbage cans
Water gardens	Other water holding receptacles	Wheelbarrows
Ornamental fountains	Standing water	Hollow trees
Fountains	Animal watering troughs	Flood water
Urns	Ponds	Roof gutters
Rain barrels	Lagoons	
Roof gutters	Fish ponds	

Any location where water collects and remains for periods of time.

How to Apply:

To control mosquito larvae, place one (1) briquet in sites up to 100 square feet (10 ft X 10 ft) of surface area. For large sites, apply 1 additional briquet for each additional 100 square feet of surface area, regardless of water depth.

STORAGE AND DISPOSAL

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

Storage: Store in a cool, dry place.

If empty: Do not reuse container. Place in trash and offer for recycling if available.

If partially filled: Call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

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NOTICE TO USER:

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EPA Reg. No.: (Pending as File Symbol 69504-E)

EPA Establishment No.: XXXXX-XX-XX

Manufactured for:

MERIDIAN LLC
17560 SW Woodhaven Drive
Sherwood, OR 97140

Net Contents: (12.5 g = small briquet) (44 g = large briquet)

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OPTIONAL LABEL CLAIMS

- Biolarvicide.
- Biological Mosquito Control.
- A Biological Larvicide Briquet.
- Mosquito Biolarvicide Briquet.
- Made with Bti, a microbial active ingredient.
- Concentrated Formula.
- Highly selective microbial larvicide.
- A (highly selective) microbial insecticide effective against mosquitoes in a variety of habitats.
- Easy to use.
- Easy to apply briquets.
- Quick, clean and simple to use.
- Nothing to mix or spray.
- Fast acting.
- Prevents the development of adult mosquitoes.
- Prevents immature mosquitoes from developing into adults.
- Prevents emergence of breeding, biting adult mosquitoes.
- Prevents the development of mosquito larvae.
- Kills developing mosquito larvae.
- (Use) (Apply) in standing water (where mosquitoes may breed); see label for specific use sites.
- (Use) (Apply) in containerized or private standing water (where mosquitoes may breed); see label for specific use sites.
- Kills mosquito larvae in (stagnant) standing water (before they are able to bite) (where they breed). Apply to standing (stagnant) water in your yard.
- For use in all water-holding receptacles (containers) where mosquitoes may breed including water gardens (and animal (horse) watering troughs); see label for specific use sites.

- Effective year-round when mosquito larvae are present.
- Sustained release biological larvicide for long term control of mosquito larvae.
- Biological Mosquito Larvicide with (45 day (for small briquette)) (150 day (for large briquette)) control.
- (45 day (for small briquette)) (150 day (for large briquette)) control.
- Effective [controls] for up to (45 days (for small briquette)) (150 days (for large briquette)) .
- A Sustained Release (45-Day (for small briquette)) (150-Day (for large briquette)) Bti Mosquito Larvicide Briquet.
- Each briquet treats up to 100 square feet.
- Controls mosquitoes.
- Controls mosquito larvae (in standing water) (within 48 hours) (in 48 hours).
- Quickly controls mosquito larvae in (within) 48 hours.
- One application controls all season.
- Season Long Control.
- For use in fish habitats.
- When ingested by mosquito larvae, (product name) prevents mosquitoes from becoming (developing into) breeding, biting adults.
- When ingested by mosquito larvae, (product name) prevents the development of adults.
- When ingested by mosquito larvae, (product name) prevents emergence of breeding, biting adults.
- Kills mosquito larvae upon ingestion of Bt toxins.
- Kills mosquito larvae upon ingestion by destroying the cellular lining of the insect digestive tract.
- (Product name) is a highly selective microbial insecticide effective against mosquito larvae including those which may (can) transmit (carry) West Nile Virus.
- Kills (mosquitoes) (developing mosquitoes) (mosquito larvae) (before they hatch) including those which may (can) transmit (carry) West Nile Virus (and encephalitis) (and equine encephalitis).

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- Kills (mosquitoes) (developing mosquitoes) (mosquito larvae) before they become breeding, biting adults, including those which may (can) transmit (carry) West Nile Virus (and encephalitis) (and equine encephalitis).
- Kills (mosquitoes) (developing mosquitoes) (mosquito larvae) (before they hatch) including those which may (can) transmit (West Nile Virus and) heartworm disease (to dogs and cats).