

## **PLEASE NOTE**

**This image contains more than one label approved for this product on this date.**

69504-2

9-20-2006

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95

	United States	<input type="checkbox"/> Registration	OPP Identifier Number
	Environmental Protection Agency	<input type="checkbox"/> Amendment	
	Washington, DC 20460	<input checked="" type="checkbox"/> Other	

Application for Pesticide - Section I

1. Company/Product Number 69504-2	2. EPA Product Manager Dennis Szuhay	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Meridian-02	PM# 90/Microbial Pesticides Br/BPPD	
5. Name and Address of Applicant (Include ZIP Code) Meridian LLC 17560 SW Woodhaven Drive Sherwood, OR 97140 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or <b>NOTIFICATION</b> and labeling to: EPA Reg. No. _____ Date Reviewed: <u>9/20/06</u> Product Name _____ Reviewed By: <u>AR</u>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

The purpose of this notification is to add an alternate brand name to the product's registration per PR Notice 98-10. This submission is not subject to PRIA. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of the Confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input checked="" type="checkbox"/> Other (Specify) <u>corrugated box</u>	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 12.5 g briquet or 44 g briquet		5. Location of Label Directions <input checked="" type="checkbox"/> On Label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Amy Plato Roberts / aroberts@tsgusa.com	Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8964
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)
2. Signature 	3. Title Regulatory Consultant	
4. Typed Name Amy Plato Roberts	5. Date March 28, 2006	

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**WASHINGTON**

1150 18th Street, N.W.  
Suite 1000  
Washington, D.C. 20036  
Telephone 202 223-4392  
Fax 202 872-0745

Dennis Szuhay  
Chief, Microbial Pesticides Branch  
Biopesticides and Pollution Prevention Division (7511C)  
Office of Pesticide Programs, EPA  
1801 South Bell Street  
Arlington, VA 22202

March 29, 2006

**RE: Meridian LLC: Meridian-02 (EPA Reg. No. 69504-2)**

**Notification to add alternate brand name per PR Notice 98-10**

**SACRAMENTO**

712 Fifth Street  
Suite A  
Davis, CA 95616  
Telephone 530 757-1298  
Fax 530 757-1299

Dear Mr. Szuhay:

Technology Sciences Group Inc., on behalf of Meridian LLC, hereby submits the enclosed notification to add an alternate brand name to the above referenced product. Enclosed you will find the following in support of this notification:

- 1) Notification application form;
- 2) Redline version of revised labeling (1 copy); and
- 3) Three clean copies of the revised product labeling.

Please do not hesitate to contact me directly with any questions.

Sincerely,

Amy Plato Roberts  
Regulatory Consultant for Meridian LLC  
Direct dial: (202) 828-8964; E-mail: [aroberts@tsqusa.com](mailto:aroberts@tsqusa.com)

**CANADA**

275 Slater Street  
Suite 900  
Ottawa, Ontario  
K1P 5H9  
Telephone 613 247-6285  
Fax 613 236-3754

# MERIDIAN - 02

[Alternate Brand Name: FourStar]

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

**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.:** 69504-2  
**EPA Establishment No.:** XXXXX-XX-XX

**NOTIFICATION**

Date Reviewed: 9/20/06

Reviewed By: AR

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

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**Sublabel A: Commercial Use – small/large briquet**

# MERIDIAN - 02

[Alternate Brand Name: FourStar]

**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	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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.

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**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.:** 69504-2

**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**

[Alternate Brand Name: FourStar]

**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.

<b>FIRST AID</b>	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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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**

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.:** 69504-2

**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)

10/15

**Sublabel C: Residential Use – small/large briquet**

# MERIDIAN - 02

[Alternate Brand Name: FourStar]

**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	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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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

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outdoor drain.

**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.:** 69504-2

**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)

**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).

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).



69504-2

9-20-2006

1/15

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	---	--	-----------------------

**Application for Pesticide - Section I**

1. Company/Product Number 69504-2	2. EPA Product Manager Dennis Szuhay	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Meridian - 02	PM# 90/Microbial Pesticides Br/BPPD	
5. Name and Address of Applicant (Include ZIP Code) Meridian LLC 17560 SW Woodhaven Drive Sherwood, OR 97140 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar to the composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. <u>                    </u> Date Reviewed: <u>9/20/06</u> Product Name <u>                    </u> Reviewed By: <u>AR</u>	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated <u>                    </u>
<input type="checkbox"/> Resubmission in response to Agency letter dated <u>                    </u>	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

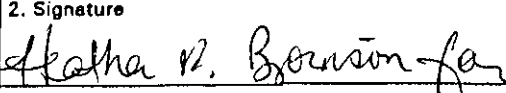
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

This is a notification to add several alternate brand names to this product per PR Notice 98-10 and is not subject to PRIA. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of the Confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Unit Packaging wgt.	No. per container	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) <u>                    </u>
* Certification must be submitted	If "Yes" Package wgt	No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product			<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other <u>                    </u>	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Amy Plato Roberts, Technology Sciences Group, Inc.	Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8964
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Consultant to Meridian LLC	
4. Typed Name Amy Plato Roberts	5. Date April 12, 2006	

2/15



**WASHINGTON**  
1150 18th Street, N.W.  
Suite 1000  
Washington, D.C. 20036  
Telephone 202 223-4392  
Fax 202 872-0745

Dennis Szuhay  
Chief, Microbial Pesticides Branch  
Biopesticides and Pollution Prevention Division (7511C)  
Office of Pesticide Programs, EPA  
1801 South Bell Street  
Arlington, VA 22202

April 12, 2006

**RE: Meridian-02 (EPA Reg. No. 69504-2)**

**Notification to add alternate brand names per PR Notice 98-10**

**SACRAMENTO**  
712 Fifth Street  
Suite A  
Davis, CA 95616  
Telephone 530 757-1298  
Fax 530 757-1299

Dear Mr. Szuhay:

Technology Sciences Group Inc., on behalf of Meridian LLC, is submitting the enclosed notification to add five alternate brand names to the above referenced product.

You will find the following in support of this notification:

- 1) Application form;
- 2) One (1) copy of the redline label; and
- 3) Three (3) copies of the product label with the changes incorporated.

Please do not hesitate to contact me directly with any questions.

**CANADA**  
275 Slater Street  
Suite 900  
Ottawa, Ontario  
K1P 5H9  
Telephone 613 247-6285  
Fax 613 236-3754

Sincerely,

Amy Plato Roberts  
Regulatory Consultant for Meridian LLC  
Direct dial: (202) 828-8964; E-mail: [aroberts@tsqusa.com](mailto:aroberts@tsqusa.com)

cc: Dave Sjogren, Meridian LLC

# MERIDIAN - 02

[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]

**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.:** 69504-2

**EPA Establishment No.:** XXXXX-XX-XX

**Manufactured for:**

MERIDIAN LLC  
17560 SW Woodhaven Drive  
Sherwood, OR 97140

**NOTIFICATION**

Date Reviewed: 9/20/06

Reviewed By: AR

4/15

**Sublabel A: Commercial Use – small/large briquet**

## MERIDIAN - 02

[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]

**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.

5/15

<b>FIRST AID</b>	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<p>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.</p>	

### **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.

6/15

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.

**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.:** 69504-2

**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)

7/15

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

## MERIDIAN - 02

**[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]**

**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.

8/15

<b>FIRST AID</b>	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<p>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.</p>	

## **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.



9/15

**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.

**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.:** 69504-2

**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)

10/15

**Sublabel C: Residential Use – small/large briquet**

# MERIDIAN - 02

**[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]**

**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	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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.

### 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

**MERIDIAN-02;** EPA Reg. No. 69504-2

MASTER LABEL – Notification Redline Version (7) dated April 12, 2006

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Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

**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.:** 69504-2

**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)

**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.

14/15

- 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).

15/15

- 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).

**NEXT**

**LABEL**



69504-2

9-20-2006

4/15

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95

 United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number 69504-2	2. EPA Product Manager Dennis Szuhay	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Meridian - 02	PM# 90/Microbial Pesticides Br/BPPD	
5. Name and Address of Applicant (Include ZIP Code) Meridian LLC 17560 SW Woodhaven Drive Sherwood, OR 97140 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. _____ Date Reviewed: <u>9/20/06</u> Product Name _____ Reviewed By: <u>AR</u>	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

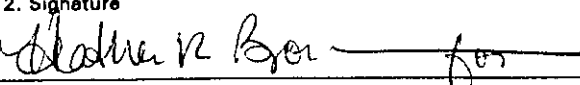
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

This is a notification to add non-FIFRA label claims and to clarify directions for use to this product per PR Notice 98-10 and is not subject to PRIA. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of the Confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Amy Plato Roberts, Technology Sciences Group, Inc.	Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8964
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  <b>(Stamp)</b>
2. Signature 	3. Title Regulatory Consultant to Meridian LLC	
4. Typed Name Amy Plato Roberts	5. Date May 22, 2006	

2/15



**WASHINGTON**

1150 18th Street, N.W.  
Suite 1000  
Washington, D.C. 20036  
Telephone 202 223-4392  
Fax 202 872-0745

Dennis Szuhay  
Chief, Microbial Pesticides Branch  
Biopesticides and Pollution Prevention Division (7504P)  
Office of Pesticide Products  
US Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

May 22, 2006

**RE: Meridian-02 (EPA Reg. No. 69504-2)**

**Notification to clarify directions for use and to add non-FIFRA related claims per PR Notice 98-10**

**SACRAMENTO**

712 Fifth Street  
Suite A  
Davis, CA 95616  
Telephone 530 757-1298  
Fax 530 757-1299

Dear Mr. Szuhay:

Technology Sciences Group Inc., on behalf of Meridian LLC, is submitting the enclosed notification to add non-FIFRA label claims and to clarify the directions for use for the above referenced product.

You will find the following in support of this notification:

- 1) Application form;
- 2) One (1) copy of the redline label; and
- 3) Three (3) copies of the product label with the changes incorporated.

**CANADA**

275 Slater Street  
Suite 900  
Ottawa, Ontario  
K1P 5H9  
Telephone 613 247-6285  
Fax 613 236-3754

Please do not hesitate to contact me directly with any questions.

Sincerely,

Amy Plato Roberts  
Regulatory Consultant for Meridian LLC  
Direct dial: (202) 828-8964; E-mail: [aroberts@tsgusa.com](mailto:aroberts@tsgusa.com)

cc: Dave Sjogren, Meridian LLC

3/15

# MERIDIAN - 02

[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]

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

**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.: 69504-2

EPA Establishment No.: XXXXX-XX-XX

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

**NOTIFICATION**  
Date Reviewed: 9/20/06  
Reviewed By: AR

U.S. Patent Pending

Always read the label before using product

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**Sublabel A: Commercial Use – small/large briquet**

# MERIDIAN - 02

[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]

**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.

5/15

FIRST AID	
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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.

### INTRODUCTION

**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, catch basins, storm drains, 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.

Deleted: storm drains.

### 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 wet or 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.

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#### **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.

#### **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.

Always read the label before using product

For product information, call 1-888-846-7233 or visit our web site: [www.fourstarbti.com](http://www.fourstarbti.com)

**EPA Reg. No.:** 69504-2

**EPA Establishment No.:** XXXXX-XX-XX

#### **Manufactured for:**

MERIDIAN LLC  
17560 SW Woodhaven Drive  
Sherwood, OR 97140

**Net Contents:** (10 g or 12.5 g = small briquet) (32 g or 44 g = large briquet)

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

### MERIDIAN - 02

[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]

**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.

8/15

FIRST AID	
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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.

#### INTRODUCTION

**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.

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**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: catch basins, storm drains, 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.

Deleted: storm drains.

#### 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 wet or 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.



9/15

**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.

**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.

Always read the label before using this product.

For product information, call 1-888-846-7233 or visit our web site: [www.fourstarbti.com](http://www.fourstarbti.com)

EPA Reg. No.: 69504-2

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)

U.S. Patent Pending

10/15

**Sublabel C: Residential Use – small/large briquet**

## MERIDIAN - 02

[Alternate Brand Names: FourStar, FourStar Bti Briquets, FourStar Bti Briquets 45, FourStar Bti Briquets 150, FourStar Bti Catch Basin Briquets 45, FourStar Bti Catch Basin Briquets 150]

**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.

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11/15

FIRST AID	
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<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, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
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.

**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	Fountains	Abandoned swimming pools
Statuary	Urns	Unused swimming pools or spas
Old tires	Rain barrels	Other water holding receptacles
Flower pots	Roof gutters	Standing water
Tree holes	Drains	Animal watering troughs
Water gardens	Stock tanks	Ponds
Ornamental fountains	Pool covers	Lagoons

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Fish ponds	Planters	Flood water
Buckets	Garbage cans	Roof gutters
Plastic covers	Wheelbarrows	
Plant trays	Hollow trees	

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.

**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.

Always read the label before using this product.

For Product information, call 1-888-846-7233 or visit our web site: [www.fourstarbti.com](http://www.fourstarbti.com)

EPA Reg. No.: 69504-2

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)

U.S. Patent Pending

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BMP 144 (200G); EPA Reg. No. 62637-3

Label amendment to add PR Notice 98-10, 2001-6, subset use areas and add optional label claims

MASTER LABEL - Last version (3) dated April 23, 2003 - apr

Page 10 of 10

**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.

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- 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).

15/15

- 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).
- Dual Action Release
- (A) Controlled (Sustained) Release [45 day] [150 day] Catch Basin Briquet(s)