



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Application for Pesticide:

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | Registration |
| <input type="checkbox"/> | Amendment |
| <input checked="" type="checkbox"/> | Other |

OPP Identifier Number

Section I

| | | |
|--|--|---|
| 1. Company/Product Number 8845-129 | 2. Product Manager J. Anderson | 3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Japanese Beetle Combo Bait | PM# 90 | |
| 5. Name and Address of Applicant (include ZIP Code) Spectrum United Industries Corporation PO Box 142642 St. Louis, Missouri 63114-0642 <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 labelling to: EPA Reg. No. _____ Product Name _____ | |

Section II

| | |
|--|--|
| <input type="checkbox"/> Amendment - Explain below | <input checked="" type="checkbox"/> Final printed label in response to Agency letter dated 12-7-98 |
| <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)

Notification per PR Notice 2001-6 to update disposal statements. Corrected label per comment letter of 12-16-98 and corrected typing errors in active ingredient statement.

Section III

| | | | | | |
|---|---|--|--|---|--|
| 1. Material in Which This Product Will Be Packaged: | | | | 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 package wgt No. per container | | | |
| 3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) of Retail Container | | 5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product | |
| 6. Manner in Which Label Is Affixed To Product <input type="checkbox"/> Lithographed <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled | | | | | |

Section IV

| | | |
|---|--|--|
| 1. Contact Point (Complete items directly below for identification of the individual to be contacted, if necessary, to process this application) | | |
| Name Glenda L. Mah | Title Regulatory Affairs Specialist | Telephone No. (include Area Code) 1-800-242-1166 Ext 3415 |
| Certification 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 (Stamp) |
| 2. Signature | | 3. Title Regulatory Affairs Specialist |
| 4. Typed Name Glenda L. Mah | | 5. Date May 22, 2002 |

Japanese Beetle Combo Bait

For outdoor residential use.

OPTIONAL MARKETING CLAIMS

Fits all traps • Protects your yard • Traps over a 5,000 sq. ft. area • Lasts the entire beetle season • Draws Japanese beetles into the trap away from valuable ornamentals, flowers, and shrubs • Helps to protect roses, grapes, fruit trees, and vegetables • Attracts, but does not kill Japanese beetles • Will last for the entire beetle season • Traps beetles, protect your yard

NOTIFICATION
Date Reviewed: 7/24/02
Reviewed By: [Signature]

Active Ingredients:

| | |
|---|---------|
| Eugenol | 21.98% |
| Geraniol | 9.43% |
| 2-Phenyl Ethyl Propionate | 9.43% |
| (R,Z)-5-(1-Decenyl) dihydro-2(3H) furanone* | 0.02% |
| Other Ingredients:..... | 59.14% |
| TOTAL | 100.00% |

*Includes 1.0 mg per dispenser

KEEP OUT OF REACH OF CHILDREN

CAUTION See back panel for additional precautionary statements.

Master Label

This master label bears directions for outdoor residential use.

Option A labeling is to be used only for the non-disposable bag package.

Option B is to be used only for the disposable bag with insert instructions.

Option C should only be used for the disposable bag without insert instructions

Option D applies to packaging for replacement lure only.

OPTION A

DIRECTIONS FOR NON-DISPOSABLE BEETLE TRAPS

(The following directions and information are used when the combo lure is used with a cage or bottle [non-disposable] to catch the beetles.)

This package contains: One cup containing the sex lure and an improved aromatic formula with Geraniol.

This combined or dual lure attracts both male and female Japanese Beetles in quantities unsurpassed by other lures.

DIRECTIONS FOR USE

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

Peel the cover from the dual lure system. Mount the opened lure between the yellow vanes by inserting the notched corners through the vane assembly slots. Make sure that the exposed side facing INWARD and snap into place. Bend the tab on top slightly inward for protection from the rain.

For maximum effectiveness, use the suggested number of traps below:

| No. of Traps | Area Covered | No. of Traps | Area Covered |
|--------------|--------------------|--|---------------|
| 1 | Less than 1/8 acre | 4 | 1/2 acre |
| 2 | 1/8 to 1/4 acre | * | Over 1/2 acre |
| 3 | 1/4 to 1/2 acre | *Use 1 trap every 150 to 200 feet along perimeter. | |

Kill the trapped beetles by immersing the cage in hot water. Dump the dead beetles into the garbage or bury them in the garden.

STORAGE AND DISPOSAL

Storage: Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry place. Do not open until ready to use. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. **Never place unused product down any indoor or outdoor drain.**

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PRECAUTIONARY STATEMENTS**Hazards to Humans and Domestic Animals**

CAUTION Avoid contact of lure with skin and eyes. In case of accidental contact, wash hands thoroughly with soap and water. If irritation occurs, seek medical attention.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

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EPA Reg. No. 8845-129

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OPTION B**DIRECTIONS FOR DISPOSABLE-BAG BEETLE TRAPS**

(The following directions and information are used when the combo lure is used with a disposable bag to catch the beetles.)

BEETLES STRIKE VANE, FALL INTO BAG, THEN DIE

COMBO OR DUAL LURE: Attracts both male and female beetles.

DISPOSABLE BAG: Prevents messy clean up.

CONTENTS: *One set of inter-locking vanes. * One hang tie. * Two trap bags. * One dual or combo lure system.

KwikStand™, Replacement (Disposable) Bags and Lures are available.

BEFORE USING, READ ENTIRE DIRECTIONS ENCLOSED**PACKAGE INSERT****DIRECTIONS FOR ASSEMBLY USE:****GENERAL INFORMATION****HABITAT**

The Japanese beetle is a major insect pest found throughout the eastern United States. The adult beetle infests and destroys over 300 species of plants including fruits, vegetables and flowers as well as a wide variety of valuable ornamental trees and shrubs.

LIFE CYCLE

In early summer, when female beetles first emerge from the ground, they are immediately ready for mating. As each female emerges she gives off an extremely small amount of a distinctive scent. This sex attractant is carried downwind until it is picked up by male beetles who follow it upwind to locate the female and mate.

After mating, female beetles lay their eggs in lawns and grassy areas. Shortly thereafter grubs hatch in the soil and pass through several larval stages throughout the remaining summer months. During this period the grubs may cause extensive damage by feeding on the roots of turf and valuable plants. This damage is usually noticed as large brown spots in lawns and wilted plant life. With the approach of winter, the grubs dig down below the frost line. The following year adult beetles emerge from lawns in early summer to mate, feed and continue their destructive life cycle.

DUAL FLORAL AND SEX LURE

Use of the Japanese beetle's natural sex attractant for trapping is an ideal method to aid in the control of the insect through its own natural biology. It provides a means compatible with the environment and also helps avoid the indiscriminate use of harmful chemicals. The natural sex attractant, when used together with a proven floral lure, can attract from two to five times as many beetles as the commonly available floral lure alone.

This dual lure uses the latest in controlled release technology for maximum drawing power and convenience to the user. An exact copy of the natural sex attractant is contained in a controlled release unit with a release rate that approximates that of the female beetle. Also included is a proven floral lure. Together, both lures provide a normal season's supply of the most effective Japanese beetle lure system on the market today.

NUMBER OF TRAPS NEEDED

For maximum effectiveness, use the suggested number of traps below:

| No. of Traps | Area Covered | No. of Traps | Area Covered |
|--------------|--------------------|--|---------------|
| 1 | Less than 1/8 acre | 4 | 1/2 acre |
| 2 | 1/8 to 1/4 acre | * | Over 1/2 acre |
| 3 | 1/4 to 1/2 acre | *Use 1 trap every 150 to 200 feet along perimeter. | |

STOP. READ ENTIRE LABEL BEFORE USE.

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

TRAP ASSEMBLY/OPERATION (HOW TO USE)

1. Slide the vanes together so slots interlock.
2. **LURE ATTACHMENT**
Peel the cover from the dual lure system. Mount the opened lure between the yellow vanes by inserting the notched corners through the vane assembly slots as shown in Figure 1. Make sure that the exposed side is facing INWARD and snap into place. Bend the tab on top slightly inward for protection from the rain.
3. **BAG ATTACHMENT**
Attach one of the disposable trap bags onto the yellow vane assembly as shown in Figure 2. Gently push a small slit on the open end of the bag over each of the hooks on the vanes. Be careful not to tear or stretch the slits. Drop a few small pebbles into the bag to stabilize the trap.
4. **HANGER ATTACHMENT**
Insert about 3" of the hanger tie through the two holes in the top of the vane assembly as shown in Figure 3. Twist the tie to secure the trap.
5. **TRAP PLACEMENT**
To be most effective, the trap should be located about 30 feet downwind of foliage to intercept beetles heading toward it. Do not place the trap near or in the foliage, as it will attract more beetles into it. (see Figure 4). Hang the trap by its hanger tie from a KwikStand™ (sold separately) or any convenient post or stake. The bottom of the bag should be at least a foot above the ground, and the trap free to move in the wind without hitting any obstructions (see Figure 5). Hang the trap where it is inaccessible to small children.

6. **PERIODICALLY CHECK TRAP**
The majority of beetles will be caught during their highest flight activity period. This is normally on sunny days with temperatures between 70-95°F and from about 10:00 am to 3:30 pm. Check bag occasionally. Replace it when the lower portion is full of beetles. Change the bags every four to five days to avoid repelling beetles due to odor of dead beetles. Inspect bag after rainstorms. If the drain holes along the bottom of the bag become clogged, gently clear them using a toothpick or pencil point or replace bag. NOTE: Remove trap to a protected area during heavy rain or wind.
 7. **SEAL BAG WHEN FULL**
Seal filled bags by knotting the top funnel portion. Normally, trapped beetles die after several hours in the heat and sun. Leaving sealed bags in sun for a while can kill live beetles. IMPORTANT: Make sure beetles are dead before disposal. See following section on Disposal of bags.
 8. **LURE REPLACEMENT**
For maximum effectiveness, begin trap use as early in the season as possible. Sexual activity of the Japanese beetle is greater in June in Southern states and July in Northern states. Under normal conditions, the combination lure is effective for about twelve weeks. Replace it after this period or when its floral aroma is no longer noticeable. Premature ineffectiveness of the lure may be due to a repellent odor from dead beetles. See step 6 and following section on Disposal of lures.
 9. **PROBLEMS THAT MAY OCCUR**
 - a. **LURE NO LONGER ATTRACTS BEETLES**
 - Few beetles in area
 - Repellent effect of dead beetles. See Step 6.
 - Dual or Combo lure is unopened or uninstalled.
 10. **BEETLES EATING FOLIAGE/FLOWERS AFTER SETTING TRAP**
 - Remove trap from immediate vicinity of foliage. See Step 5.
 11. **BEETLES ESCAPING THROUGH BAGS**
 - Animal Damage
- Bags are often attacked and damaged at night by nocturnal animals (skunks, cats, etc.). Replace damaged bag. Bring trap inside each night to prevent future damage.

Replacement bags and lures are available.

STORAGE AND DISPOSAL

Storage: Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry place. Do not open until ready to use. **Disposal: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.**

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION Avoid contact of lure with skin and eyes. In case of accidental contact, wash hands thoroughly with soap and water. If irritation occurs, seek, medical attention.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call 1-800-332-5663

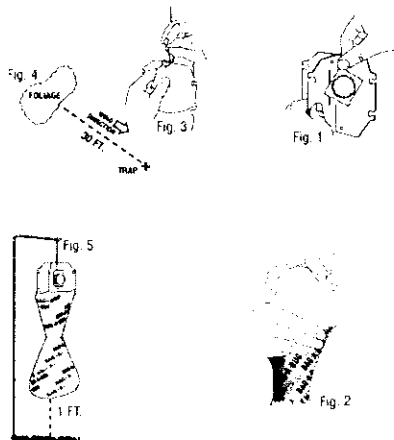
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Note to reviewer: These are the five instructional figures referenced in the above Option B. These same figures are included in Option C. They are included below.



OPTION C

DIRECTIONS FOR DISPOSABLE-BAG BEETLES TRAPS WITHOUT INSERT
 (The following directions and information are used when the combo lure is used with a disposable bag to catch the beetles without instructional insert in the box.)

BEETLES STRIKE VANE, FALL INTO BAG, THEN DIE

COMBO OR DUAL LURE: Attracts both male and female beetles.

DISPOSABLE BAG: Prevents messy clean up.

CONTENTS: *One set of inter-locking vanes. *One hang tie. *Two trap bags. *One dual or combo lure system.

KwikStand™, Replacement (Disposal) Bags and Lures are available.

(Use of the Japanese Beetle's natural sex attractant for trapping is an ideal method to aid in the control of the insect through its own natural biology. It provides a means compatible with the environment and also helps avoid the indiscriminate use of harmful chemicals. The natural sex attractant, when used together with a proven floral lure, can attract from two to five times as many beetles as the commonly available floral lure alone.)

STOP. READ ENTIRE LABEL BEFORE USE

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

NUMBER OF TRAPS NEEDED

For maximum effectiveness, use the number of traps below:

| No. of Traps | Area Covered | No. of Traps | Area Covered |
|--------------|--------------------|--|--------------|
| 1 | Less than 1/8 acre | 4 | ½ acre |
| 2 | 1/8 to ¼ acre | * | Over ¼ acre |
| 3 | ¼ to ½ acre | *Use 1 trap every 150 to 200 feet along perimeter. | |

TRAP ASSEMBLY/OPERATION (HOW TO USE)

- Slide the vanes together so slots interlock.
- LURE ATTACHMENT**
 Peel the cover from the dual lure system. Mount the opened lure between the yellow vanes by inserting the notched corners through the vane assembly slots as shown in Figure 1. Make sure the exposed side is facing INWARD and snap into place. Bend the tab on top slightly inward for protection from the rain.
- BAG ATTACHMENT**
 Attach one of the disposable trap bags onto the yellow vane assembly as shown in Figure 2. Gently push a small slit on the open end of the bag over

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each of the hooks on the vanes. Be careful not to tear or stretch the slits.

Drop a few small pebbles into the bag to stabilize the trap.

4. HANGER ATTACHMENT

Insert about 3" of the hanger tie through the two holes in the top of the vane assembly as shown in Figure 3. Twist the tie to secure the trap.

5. TRAP PLACEMENT

To be most effective, the trap should be located about 30 feet downwind of foliage to intercept beetles heading toward it. Do not place the trap near or in the foliage, as it will attract more beetles into it. (see Figure 4). Hang the trap by its hanger tie from a KwikStand™ (sold separately) or any convenient post or stake. The bottom of the bag should be at least a foot above the ground, and the trap free to move in the wind without hitting any obstructions (see Figure 5). Hang the trap where it is inaccessible to small children.

6. PERIODICALLY CHECK TRAP

The majority of beetles will be caught during their highest flight activity period. This is normally on sunny days with temperatures between 70-95°F and from about 10:00 am to 3:30 pm.

Check bag occasionally. Replace it when the lower portion is full of beetles. Change the bags every four to five days to avoid repelling beetles due to odor of dead beetles. Inspect bag after rainstorms. If the drain holes along the bottom of the bag become clogged, gently clear them using a toothpick or pencil point or replace bag. NOTE: Remove trap to a protected area during heavy rain or wind.

7. SEAL BAG WHEN FULL

Seal filled bags by knotting the top funnel portion. Normally, trapped beetles die after several hours in the heat and sun. Leaving sealed bags in sun for a while can kill live beetles. IMPORTANT: Make sure beetles are dead before disposal. See following section on Disposal of bags.

8. LURE REPLACEMENT

For maximum effectiveness, begin trap use as early in the season as possible. Sexual activity of the Japanese beetle is greater in June in Southern states and July in Northern states. Under normal conditions, the combination lure is effective for about twelve weeks. Replace it after this period or when its floral aroma is no longer noticeable. Premature ineffectiveness of the lure may be due to a repellent odor from dead beetles. See step 6 and following section on Disposal of lures.

9. PROBLEMS THAT MAY OCCUR

a. LURE NO LONGER ATTRACTS BEETLES

- Few beetles in area
- Repellent effect of dead beetles. See Step 6.
- Dual or Combo lure is unopened or uninstalled.

10. BEETLES EATING FOLIAGE/FLOWERS AFTER SETTING TRAP

- Remove trap from immediate vicinity of foliage. See Step 5.

11. BEETLES ESCAPING THROUGH BAGS

- Animal Damage

Bags are often attacked and damaged at night by nocturnal animals (skunks, cats, etc.). Replace damaged bag. Bring trap inside each night to prevent future damage.

Replacement bags and lures are available.

STORAGE AND DISPOSAL

Storage: Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry place. Do not open until ready to use. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. **Never place unused product down any indoor or outdoor drain.**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION Avoid contact of lure with skin and eyes. In case of accidental contact, wash hands thoroughly with soap and water. If irritation occurs, seek medical attention.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call 1-800-332-5663

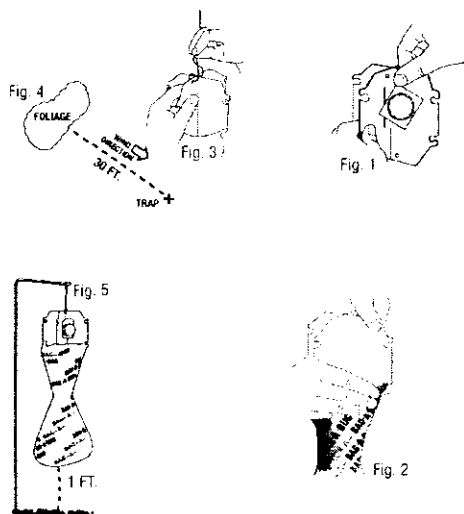
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Note to reviewer: These are the five instructional figures referenced in the above Option C. These same figures are included in Option B. They are included on the next page.



OPTION D

DIRECTIONS FOR REPLACEMENT LURE PRODUCT

[The following directions and information are used when the combo lure is used as a replacement lure product for the beetle trap.]

BETTER STRIKE VANE, FALL INTO BAG, THEN DIE COMBO or DUAL LURE:
 Attracts both male and female beetles.

CONTENTS: One dual lure system

KwikStand™ and Replacement (Disposal) Bags are available.

Use of the Japanese beetle's natural sex attractant for trapping is an ideal method to aid in the control of the insect through its own natural biology. It provides a means compatible with the environment and also helps avoid the indiscriminate use of harmful chemicals. The natural sex attractant, when used together with a proven floral lure, can attract from two to five times as many beetles as the commonly available floral lure alone.

| | |
|---|----------------|
| Active Ingredients: | |
| Eugenol | 21.98% |
| Geraniol | 9.43% |
| 2-Phenyl Ethyl Propionate | 9.43% |
| (R,Z)-5-(1-Decenyl) dihydro-2(3H) furanone* | 0.02% |
| Other Ingredients:..... | 59.14% |
| TOTAL | 100.00% |

*Includes 1.0 mg per dispenser

KEEP OUT OF THE REACH OF CHILDREN

CAUTION See back panel for additional precautionary statements.

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8

STOP. READ ENTIRE LABEL BEFORE USE.

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

LURE ATTACHMENT

Peel the cover from the dual lure system. Mount the opened lure between the yellow vanes by inserting the notched corners through the vane assembly slots as shown. Make sure the exposed side facing INWARD and snap into place. Bend the tab on top slightly inward for protection from the rain.

When using the combo lure for traps with no vane slots, follow the foregoing directions for opening. Punch a hole in the flat area of the combo lure. Attach a twist tie or small wire and tie lure at the top of the trap. See trap box for detailed usage directions.

Replacement bags and lures are available.

STORAGE AND DISPOSAL

Storage: Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry place. Do not open until ready to use. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS**Hazards to Humans and Domestic Animals**

CAUTION Avoid contact of lure with skin and eyes. In case of accidental contact, wash hands thoroughly with soap and water. If irritation occurs, seek medical attention.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call 1-800-332-5663

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Note to label reviewer: The following sticker is placed on the small bait itself. The rest of the text of Option D is placed on the outside cardboard container that holds the small replacement bait.

BAIT STICKER**Japanese Beetle Combo Bait****Active Ingredients:**

| | |
|---|---------|
| Eugenol | 21.98% |
| Geraniol | 9.43% |
| 2-Phenyl Ethyl Propionate | 9.43% |
| (R,Z)-5-(1-Decenyl) dihydro-2(3H) furanone* | 0.02% |
| Other Ingredients:..... | 59.14% |
| TOTAL | 100.00% |

*Includes 1.0 mg per dispenser

KEEP OUT OF REACH OF CHILDREN

CAUTION Read directions and Precautionary Statement in carton before use. Avoid contact of the lure with skin and eyes

EPA Reg. No. 8845-129

EPA Est. No. 9688-MO-1

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