



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

EPA Reg.  
Number:

63823-55

Date of Issuance:

DEC 30 2008

Term of  
Issuance:

UNCONDITIONAL

Name of Pesticide Product:

Z112-009

NOTICE OF PESTICIDE:

\_\_XX\_\_ Registration (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Management Contract Services, Inc.  
P.O. Box 5209  
Valdosta, GA 31603

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA Sec. 3(c) provided you:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Submit--within 12 months-- a data package for Guideline Study: OPPTS 830.6317 (Storage Stability).
3. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 63823-55"
4. Submit three (3) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
5. This registration is effective for 1 year from the date of issuance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

*W. Michael McDavit*

W. Michael McDavit, Associate Director  
Biopesticides and Pollution Prevention Division

Date:

12/30/08



ACCEPTED

2/3

DEC 30 2008

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 63823-LL

[ ] Indicates optional text

**Z112-009**

AN INSECT GROWTH REGULATOR  
AN EXTENDED RESIDUAL GRANULAR  
PRODUCT TO PREVENT ADULT MOSQUITO  
EMERGENCE  
(INCLUDING THOSE MOSQUITOES WHICH  
MAY TRANSMIT WEST NILE VIRUS)

## Active Ingredients

(S)-Methoprene..... 1.5%  
Other Ingredients ..... 98.5%  
Total..... 100.00%

EPA Reg. No.: 63823-LL

EPA Est. No.: \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** Caution. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes or skin. Due to the size and abrasiveness of the granules, use protective eyewear and clothing to minimize exposure during loading and handling. Wash thoroughly with soap and water after handling.

**FIRST AID**

Have product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call 1-800-XXX-XXXX.

<b>If in eyes</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
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<b>If on skin or clothing</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes
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Call a poison control center or doctor for treatment advice.

**ENVIRONMENTAL HAZARDS:** Do not contaminate water when disposing of rinsate or equipment washwaters.

**DIRECTIONS FOR USE**

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

**GENERAL DIRECTIONS**

Z112-009 granules release effective levels of (S)-methoprene insect growth regulator for up to 21 days after application. Continue applications throughout the entire season to maintain adequate control. Treated larvae continue to develop normally to the pupal stage where they die.

Rotary and fixed-wing aircraft equipped with granular spreaders capable of applying rates listed below may be used to apply Z112-009 granules to large aquatic areas where ground application equipment is not feasible. Ground equipment which will achieve even coverage at these rates may also be used. Apply Z112-009 granules uniformly and repeat application as necessary.

NOTE: (S)-methoprene insect growth regulator has no effect on mosquitoes that have reached the pupal or adult stage prior to treatment.

**APPLICATION TIME**

Apply Z112-009 GRANULES at any stage of larval mosquito/midge development.

**APPLICATION RATES**

The following rates are effective in water depths up to two feet. Floodwater and permanent water species: Apply Z112-009 granules at 5-10 lb/acre. Rates are equivalent to 5.6 to 11.2 kg/ha or 5-10 grams per 100 ft<sup>2</sup> or ¼ - ½ tsp per 100 ft<sup>2</sup>.

Container breeding and submerged species: Apply Z112-009 granules at 10-20 lb/acre. Rates are equivalent to 11.2 - 22.4 kg/ha or 10-20 grams per 100 ft<sup>2</sup> or ¼ tsp to 1 Tbsp per 100 ft<sup>2</sup>.

Non-biting *Chironomini* (midges): Apply Z112-009 granules at 10-20 lb/acre. Rates are equivalent to 11.2 - 22.4 kg/ha or 10 to 20 grams per 100 ft<sup>2</sup> or ½ Tbsp to 1 Tbsp per 100 ft<sup>2</sup>.

Within these ranges, use lower rates when water is shallow and vegetation and/or pollution are minimal.

**APPLICATION SITES**

Z112-009 granules may be applied as directed above to temporary and permanent sites which support mosquito/midge larval development, including: snow pools, woodland pools and meadows, dredging spoil sites, drainage areas, roadside ditches, wastewater treatment facilities, livestock runoff lagoons, retention ponds, harvested timber stacks, swales, storm water drainage areas, sewers, catch basins, tree holes, fish ponds, animal [horse] watering troughs,



water-holding receptacles (e.g. tires, urns, flower pots, cans, and other containers), and other manmade water-holding depressions.

Crop areas: Z112-009 granules may be applied as directed above to temporary and permanent sites which support mosquito/midge larval development. Examples of such sites include: irrigated croplands, pastures, rangeland, vineyards, rice fields (domestic and wild), date palm, citrus, fruit, nut orchards, berry fields and bogs.

NOTE: In sites subject to water flow or exchange, more frequent application and/or higher rates may be required. If higher rates are required, do not exceed the 5-20 lb per acre range prescribed in the Application Rates section of this label.

#### **STORAGE AND DISPOSAL**

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

STORAGE: Store closed containers of Z112-009 GRANULES in a cool, dry place.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **WARRANTY & CONDITIONS OF SALE**

To the extent consistent with applicable law, seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

Always read the label before using this product.

For information, or in case of emergency, call 1-800-XXX-XXXX.

Manufactured for  
Management Contract Services, Inc.  
Valdosta, Georgia USA