

63823-55

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

FEB 27 2013

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Peggy M. Galloway  
Regulatory Agent for  
Management Contract Services, Inc.  
c/o Landis International, Inc.  
P.O. Box 5126  
Valdosta, GA 31603-5126

Subject: Z112-009  
EPA Registration No. 63823-55  
PRIA Amendment for adding aquatic uses  
Decision # 470595  
Application Dated: October 10, 2012  
PRIA Category: B680

Dear Mrs. Galloway:

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(5), is **acceptable** provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit three (3) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(b). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

If you have any questions contact Ms. Menyon Adams at 703-347-8496 or by email at: [adams.menyon@epa.gov](mailto:adams.menyon@epa.gov). A stamped copy of the label is enclosed for your records.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Hollis".

Linda A. Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)

[ ] 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]

[Prevents mosquitoes from becoming breeding, biting adults]

Active Ingredient:	
(S)-Methoprene (CAS# 65733-16-6).....	1.5%
Other Ingredients .....	98.5%
Total .....	100.00%

Batch Code: \_\_\_\_\_

## **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.

<b>FIRST AID</b>	
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.
<b>If on skin or clothing</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes
Call a poison control center or doctor for treatment advice.	

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

**ACCEPTED**

FEB 27 2013

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 63823-55

### 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  $\frac{3}{8}$  -  $\frac{3}{4}$  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  $\frac{3}{4}$  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  $\frac{1}{2}$  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, salt and tidal marshes, freshwater swamps and marshes (cattail, red cedar, white maple marshes), 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 natural and manmade water-holding depressions.

ACCEPTED

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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 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.

EPA Reg. No.: 63823-55

EPA Est. No.: {production establishment tbd}

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