



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division  
(7511C)1200 Pennsylvania Avenue NW  
Washington, DC 20460

EPA Reg. Number:

63823-57

Date of Issuance:

9/21/07

Term of Issuance:

Conditional

Name of Pesticide Product:

Z112-011 Briquet

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration (under FIFRA, as amended)

Name and Address of Registrant (Include ZIP Code):

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

**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.

The registration application referred to above, submitted in connection with registration under § 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you do the following terms and conditions.

1. Submit and/or cite all data required for registration/ reregistration 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. This registration is effective for 15 months from the date of issuance.
3. Submit within two months a protocol outlining a product performance/efficacy study under field conditions to support the label claim of 45 days (refer to OPPTS 810.3700).
4. Submit within 11 months the data for the product performance/efficacy field study referred to above (OPPTS 810.3700).
5. Submit within 13 months data packages for Guideline Studies: OPPTS 830.6313 (Stability); 830.6317 (Storage Stability); and 830.6320 (Corrosion Characteristics).
6. Revise the EPA Registration Number to read, "EPA Reg. No. 63823-57".
7. 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.

Signature of Approving Official:

Date:

9/21/07

CONCURRENCES

SYMBOL

SURNAME

DATE

Janet L. Andersen, Ph.D., Director

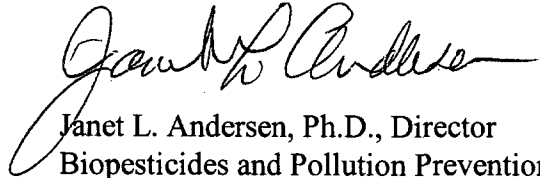
Biopesticides and Pollution Prevention Division (7511P)

EPA Form 8570-6

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.

Sincerely,



Janet L. Andersen, Ph.D., Director  
Biopesticides and Pollution Prevention Division  
(7511P)

CONCURRENCES							
SYMBOL	7511 P						
SURNAME	Tomimatsu						
DATE	21 Sept 2007			- 2 -			

# Z112-011

A SUSTAINED RELEASE MOSQUITO GROWTH  
REGULATOR TO PREVENT ADULT MOSQUITO  
EMERGENCE  
(INCLUDING THOSE WHICH MAY TRANSMIT  
WEST NILE VIRUS)

## Active Ingredients

(S)-Methoprene (Dry Weight Basis)..... 8.62%  
Other Ingredients ..... 91.38%  
Total..... 100.00%

This product contains water; therefore the weight of the briquet and percent by weight of active ingredient will vary with hydration. The ingredient statement is expressed on a dry weight basis.

EPA Reg. No.: 63823-<sup>57</sup>JP  
EPA Est. No.: \_\_\_\_\_

Not for sale or use after: \_\_\_\_\_

**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 skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID	
Have the 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.	
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.
If on skin or clothing	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 contaminate water when disposing of unused product.

**NOTE TO USER:** Do not remove Z112-011 briquets from container except for immediate use.

## INTRODUCTION

Because of the unique mode of action of Z112-011 briquets, users must be familiar with special techniques for accurate evaluation of treatments. See APPLICATION RATES & INTERVALS section of this label or consult local Mosquito Abatement Agency. Effective use of Z112-011 briquets in sites subjected to periodic heavy flow of water requires careful attention to briquet placement and to the possible need for retreatment. Use of the product in storm drains, waste treatment and settling ponds, and similar systems should therefore be limited to experienced pesticide applicators such as personnel of Mosquito Abatement Districts and Public Health Agencies.

The Z112-011 briquet is a formulation designed to release effective levels of (S)-methoprene insect growth regulator up to 30 days under typical environmental conditions. Release of (S)-methoprene insect growth regulator is effected by dissolution of the Z112-011 briquet. If briquets become covered by obstructions such as debris, vegetation, and loose sediment as a result of high rainfall or flow, normal dispersion of the active ingredient can be inhibited. Water flow may increase the dissolution of the briquet thus reducing the residual life of the briquet. Inspect areas of water flow to determine appropriate retreatment intervals. To assure positive results, place Z112-011 briquets where they will not be swept away by flushing action.

Z112-011 briquets prevent the emergence of adult mosquitoes from treated water. Treated larvae may continue to develop normally to the pupal stage where they die.

## DIRECTIONS FOR USE

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

## APPLICATION TIMING

Apply Z112-011 briquets at the beginning of the mosquito season. Z112-011 briquets provide up to 30 days residual control. Continue treatment through the last brood of the season. Apply at any stage of development prior to the pupal stage.

**NOTE:** This insect growth regulator has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

#### APPLICATION SITES

Z112-011 briquets are designed to control mosquitoes in small bodies of water, including storm drains, catch basins, roadside ditches, ornamental ponds and fountains, other artificial water-holding containers, animal watering [horse] troughs, cesspools and septic tanks, waste treatment and settling ponds, flooded crypts, transformer vaults, abandoned swimming pools, tires, construction and other manmade depressions, water hyacinth beds, vegetation-choked phosphate pits, and dredging spoil sites. For application sites connected by a water system, i.e., storm drains or catch basins, treat all of the water-holding sites in the system to maximize the efficiency of the treatment program.

#### APPLICATION RATES & INTERVALS

For mosquito control in non- (or low-) flow, shallow depressions (up to 2 ft in depth), treat on the basis of surface area placing 1 Z112-011 briquet per 100 square feet. For applications in storm water drainage areas, sewers, and catch basins: Place 1 Z112-011 briquet into each catch basin.

For application to small contained sites which may not be amenable to a rate of a single briquet per 100 square feet, use 1 briquet per contained site (i.e. animal watering [horse] troughs, cesspools and septic tanks, transformer vaults, abandoned swimming pools, tires, and other small artificial water-holding containers.)

#### **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 the use of this product may be disposed of on site or at an approved waste disposal facility.

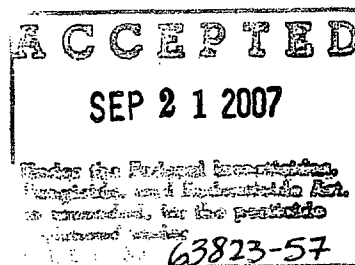
**CONTAINER DISPOSAL:** Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### WARRANTY & CONDITIONS OF SALE

To the extent allowed by state law, Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material to the extent allowed by state law 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