

68253-1

**Oriental Beetle MD**

A PHEROMONE PRODUCT FOR CONTROL  
OF THE ORIENTAL BEETLE *Exomala orientalis*  
BY DISRUPTION OF MATING COMMUNICATION

ACTIVE INGREDIENTS

Z-Tetradec-7-en-2-one.....14.5%  
OTHER INGREDIENTS.....85.5%  
TOTAL..... 100.00%

Each Dispenser contains 50 milligrams of pheromone

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE BACK PANEL FOR FIRST AID STATEMENTS  
READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

AgBio Development Inc.

9915 Raleigh St., Westminster, CO 80031-2689

EPA Registration No. 68253-1      EPA Est. No. 73813-CR-1

NET WEIGHT: 1.25 grams

25 Dispensers containing 50 mg of pheromone per releaser  
Patent Pending

Batch code:

Lot Number:

**ACCEPTED**

APR 10 2013

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

68253-1

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through skin, inhaled or swallowed. Remove contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear chemical resistant gloves when handling. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15-20 minutes
- Call poison control center or doctor for treatment advice

**IF INHALED**

- Move person to fresh air
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible
- Call poison control center or doctor for treatment advice

**IF IN EYES**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present; after 5 minutes, then continue rinsing eye.
- Call poison control center or doctor for treatment advice

Have product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-515-296-6332.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**STORAGE AND DISPOSAL STATEMENTS**

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

**PESTICIDE STORAGE:** Store in original container, in a cool, dry area.

**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:** Triple-rinse (or equivalent). Then, puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of the smoke.

### DIRECTIONS FOR USE

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

#### 1. CROPS:

##### **Turf and Ornamentals:**

Turf grass, Nursery Stock, Container Ornamentals, Roses, bedding plants, foliage plants and groundcovers.

##### **Food crops**

Blueberries, Raspberries and other bush berries- Such as:  
*blueberries, blackberries, raspberries, bingleberry, boysenberry, dewberry, lowberry, marionberry, oallieberry, youngberry, currant, elderberry, gooseberry, huckleberry, loganberry, juneberry, lingonberry, and salal*

Peaches and other stone fruit- Such as but not limited to:  
*Peaches, plums, apricot, cherry, nectarine, and prune.*

Cranberries

Strawberries

#### 2. PEST: Oriental beetle *Exomala orientalis*

3. **APPLICATION:** Hang Oriental Beetle MD dispensers in a grid pattern at a density of 20-40 dispensers per acre. For plants grown in the ground hang at a height of about 1-2 feet above ground. For plants grown in containers, hang dispensers about 1-2 feet above the bottom of the container. In the case of turf grass apply dispensers on short sticks about 1-2 feet above ground or by placing dispensers on the ground. In all cases dispensers should be placed in such a way to allow air movement freely around them to disperse pheromone just above ground level where mating occurs. A grid spacing of 20 dispensers/ac is approximately every 47 ft and 40 dispensers/ac is approximately every 33 ft. As promulgated at 40 CFR 180.1153 DO NOT EXCEED the rate of 150 grams of active ingredient per acre per year.

4. **TIMING:** Deploy Oriental Beetle MD immediately prior to the first emergence of *Exomala orientalis* in early summer. The dispensers will emit effective amounts of pheromone for 60 days.

5. **NOTE:** [i] Oriental Beetle MD impedes the mating of the Oriental beetle, *Exomala orientalis*. If pest population densities are excessively high disruption of mating will be less effective. At high population densities insecticide applications are advised to reduce population to manageable levels.

[ii] Treating larger areas provides some advantage by reducing the relative perimeter distance across which mated females can fly into treated areas. In some cases application rates may also be reduced. Treated areas are generally best close to square or circular in shape.

[iii] Oriental Beetle MD will not work well on small (< 1 acre) plots that are isolated from other larger Oriental Beetle MD treated areas due to the high edge / area ratio.

[iv] Monitoring of oriental beetle using pheromone traps in or near the center of treated areas is recommended. Ideally, effective mating disruption results in few or no beetles in traps, though in areas with very high populations some beetles may be trapped. Traps are also useful placed outside the treated area to indicate beetle activity duration, for determining whether a second placement may be needed.

#### WARRANTY

AgBio Development Corporation warrants that this product conforms to the chemical description on the label, AgBio Development Corporation neither makes nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. AgBio Development Corporation maximum liability for breach of this warranty shall not exceed the purchase price of this product. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this material.

Manufactured for AgBio Development Incorporated  
by ChemTica Internacional, Costa Rica.