

2724 - 448

7/29/1997

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**ZOECON RF-330 ALTOSID® PELLETS  
MOSQUITO GROWTH REGULATOR**

A Granular Product to Prevent Adult Mosquito Emergence  
[Prevents Nuisance Midge [Filter Fly] Emergence]  
[Controls waste water nuisance pests][filter flies]

**ACTIVE INGREDIENT:**

(S)-Methoprene (CAS #65733-16-6)..... 4.25%

**OTHER INGREDIENTS:**..... 95.75%

Total 100.00%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

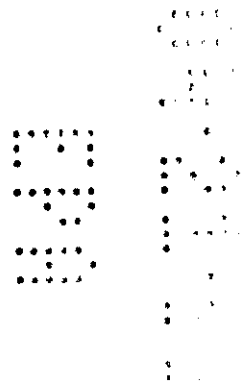
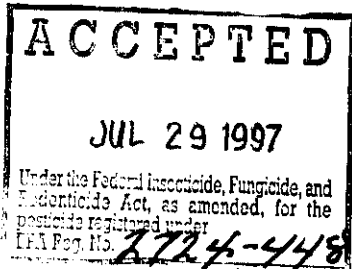
EPA Reg. No. 2724-448

EPA Est. No.

Best if used by:

Lot No.

NET WEIGHT:



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

**ENVIRONMENTAL HAZARDS:** This product is toxic to aquatic dipteran (mosquitoes) and chironomid (midge) larvae. Using it in a manner other than that described by the label could result in harm to aquatic dipteran. 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.

**INTRODUCTION:** ALTOSID® Pellets release ALTOSID®, an Insect Growth Regulator as they erode. ALTOSID Pellets prevent the emergence of adult standing water mosquitoes, including *Anopheles*, *Culex*, *Culiseta*, *Coquillettidia*, and *Mansonia* spp., as well as adults of the floodwater mosquitoes such as *Aedes* and *Psorophora* spp. from treated sites. ALTOSID Pellets also control nuisance midge larvae.

**[INTRODUCTION:** ALTOSID® Pellets are a unique product that control filter flies (*Psychoda* spp.), midges (*Chironomidae*), and other nuisance aquatic insect species infesting waste water facilities. ALTOSID Pellets contain an Insect Growth Regulator (IGR) that is effective on the developing stages of insect pests. ALTOSID Pellets do not kill adults but affects the larval stages as they grow and develop. ALTOSID Pellets stop the formation of pupa of insect pests, thereby eliminating adult populations. ALTOSID Pellets stop the cycle of reproduction, keeping pest infestations under control. Continued use of the product prevents these pests from rebounding into unmanageable infestations.]

**GENERAL DIRECTIONS:** ALTOSID Pellets release effective levels of ALTOSID Insect Growth Regulator for up to 30 days under typical environmental conditions. Treatment should be continued through the last brood of the season. Treated larvae continue to develop normally to the pupal stage where they die.

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

**APPLICATION SITES AND RATES:**

Use lower application rates when water is shallow, vegetation and/or pollution are minimal, and insect populations are low. Use higher rates when water is deep (>2 ft), vegetation, pollution, and/or organic debris or water flow are high, and insect populations are high. [In instances of high organic debris and water flow, residual activity may be diminished.]

**MOSQUITO HABITAT RATES (Lb/Acre)**

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**FLOODWATER SITES**

Pastures, meadows, rice fields, freshwater swamps and marshes, salt and tidal marshes, cattail marshes, woodland pools, floodplains, tires, other artificial water-holding containers 2.5-5

Dredging spoil sites, waste treatment and settling ponds, ditches and other manmade depressions 5-10

**PERMANENT WATER SITES**

Ornamental ponds and fountains, fish ponds, cattail marshes, water hyacinth beds, flooded crypts, transformer vaults, abandoned swimming pools, construction and other manmade depressions, treeholes, other artificial water-holding containers 2.5-5

Storm drains, catch basins, roadside ditches, cesspools, septic tanks, waste settling ponds, vegetation-choked phosphate pits 5-10

**MIDGE HABITAT RATES (Lb/Acre)**

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Midge larvae occur in natural and manmade aquatic habitats, both permanent and temporary. Examples of these include ditches, streams and ponds, and natural and manmade lakes. Apply pellets uniformly to the water surface. Repeat application as necessary. 5-10

**FILTER FLY HABITAT RATES (Lb/Acre)**

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Filter flies and midges are waste water treatment pests inhabiting sludge drying beds, clarifiers, holding tanks or ponds, sewage lagoons, evisceration ponds, paper or food waste ponds, stagnant or standing water, or other areas of waste water treatment facilities where midges, filter flies, and other nuisance aquatic insect pests are a problem. 5-10

**APPLICATION METHODS**

**Mosquitoes/Midges:** Apply ALTOSID Pellets up to 15 days prior to flooding, or at any stage of larval development after flooding or in permanent water sites. Fixed wing aircraft or helicopters equipped with granular spreaders capable of applying rates from 2.5 to 10 lb/acre may be used to apply ALTOSID Pellets. The pellets may also be applied using ground equipment which will achieve good, even coverage at the above rates. ALTOSID Pellets may be applied to artificial containers such as tires and catch basins, etc.

**[Waste Water Nuisance Pests:** For applications to solid waste, including sludge and retention ponds, the initial high rate of 10 lb/acre is recommended. Immediately following filling of the drying beds, application of the product should be made uniformly to the surface of the bed. Application of ALTOSID Pellets to solids will prevent the emergence of adult insect pests thereby keeping infestations under control.

For applications in aquatic habitats, including waste water treatment facilities, evisceration ponds, sewage lagoons, manure runoff areas, retention ponds, and holding tanks, apply ALTOSID Pellets as uniformly as possible over the entire surface. In situations where the ponds are large, applications made around the perimeter of the ponds can be helpful in reducing pests. In these situations, make applications up to a 20 foot band out from the bank around the pond perimeter.

ALTOSID Pellets may be applied by using suitable application equipment, such as, hand or motorized spreaders, backpack blowers, or aircraft (rotary or fixed wing). Even coverage over the surface of the area to be treated is critical for optimum performance.

**What to Expect in Waste Water Facilities:** Following initial applications of ALTOSID Pellets, a gradual reduction in the number of adult pests will be seen over approximately a one week period. Reduction in adult populations will be noticeable within a 2 week period following the application. Due to varying conditions or heavy infestations, the period to expect control may be longer. Since the mode of action of ALTOSID Pellets is to prevent adult emergence, existing adults and pupa present at the time of initial application will complete their life cycle.]

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Store closed containers of ALTOSID Pellets 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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**WARRANTY AND CONDITIONS OF SALE:** Seller makes no warranty, express 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 when such use and handling are contrary to label instructions.

For information or in case of an emergency, call [phone number].

ALTOSID® Pellets and ALTOSID® Insect Growth Regulator are registered trademarks of Wellmark International.

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Made in USA

