

# Altosid® Granules

A Granular Sustained Release Insect Growth Regulator to Prevent Adult Mosquito Emergence

GUARANTEE: (S)-Methoprene [Isopropyl (2E, 4E, 7S)-11-methoxy-3, 7, 11-trimethyl-2, 4-dodecadienoate] .....1.5%

READ THE LABEL BEFORE USING • KEEP OUT OF REACH OF CHILDREN  
REGISTRATION NO. 22676 PEST CONTROL PRODUCTS ACT

RESTRICTED

USE OF THIS PRODUCT IS LIMITED TO: PUBLIC HEALTH  
OFFICIALS, MOSQUITO ABATEMENT OFFICIALS AND OTHER  
TRAINED PERSONNEL OF PUBLIC MOSQUITO PROGRAMS

Net Contents: 18 kg

Wellmark International  
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**NOTICE TO USER:** This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

**NATURE OF RESTRICTION:** This product is to be used only in the manner authorized; consult local pesticide authorities regarding appropriate use permits that may be required.

**INTRODUCTION:** ALTOSID Granules release ALTOSID insect growth regulator as they erode. ALTOSID Granules prevent the emergence of adult standing water mosquitoes, including Culex and Culiseta spp., as well as adults of the floodwater mosquitoes, such as Aedes, Anopheles and Psorophora spp. from treated sites.

**GENERAL DIRECTIONS FOR USE:** ALTOSID Granules release effective levels of ALTOSID insect growth regulator for 21 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:** ALTOSID, an insect growth regulator, has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

**APPLICATION TIME:** Apply ALTOSID Granules at any stage of larval mosquito development. Granules may be applied prior to flooding (i.e., "pre-hatch" or "pre-flood") in areas which flood intermittently. In such areas, one application of ALTOSID Granule can prevent adult mosquito emergence from several subsequent floodings. The actual length of control depends on the duration and frequency of flooding events.

#### APPLICATION RATES:

Aedes, Anopheles and Psorophora spp. Apply ALTOSID Granules at 5.6 - 11.2 kg/ha (5 - 10 lbs/acre).

Culex, Culiseta, Coquillettidia and Mansonia spp. Apply ALTOSID Granules at 11.2 - 22.4 kg/ha (10 - 20 lbs/acre)

Within these ranges, use lower rates when water is shallow [ $<60$  cm (2 feet)] and vegetation and/or pollution are minimal. Use higher rate when water is deep [ $> 60$  cm (2 feet)] and vegetation and/or pollution are heavy.

**APPLICATION SITES:** ALTOSID Granules may be applied as directed above to temporary and permanent sites which support mosquito larval development. Typical sites include, but are not limited to, snow pools, salt and tidal marshes, fresh water swamps and marshes, woodland pools and meadows, dredge spoil sites, drainage areas, ditches, water-holding receptacles (e.g. tires) and other natural and man-made depressions. Treat salt marsh or tidal marsh areas above mean high tide levels.

**NOTE:** Application of ALTOSID Granules to sites subject to water flow or exchange will diminish their effectiveness. Higher application rates and/or more frequent application may be required.

**APPLICATION METHODS:** ALTOSID Granules may be applied pre- or post-flood. Fixed wing aircraft or helicopters equipped with spreaders capable of applying the rates indicated may be used to apply ALTOSID Granules. The product may also be applied using ground equipment which will achieve good, even coverage at the above rate. Apply ALTOSID Granules uniformly and repeat application as necessary.

**PRECAUTIONS:** Avoid breathing dust. The use of a mask/respirator when transferring bulk product is strongly recommended. Do not use in water which may be used for immediate human or livestock drinking purposes.

**FIRST AID:** If on skin, wash with soap and water. If in eyes, rinse with clean water for 15 minutes. If irritation persists, contact a physician. If ingested in large quantities, induce vomiting and get medical attention or call a poison control centre. Do not induce vomiting to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically

**STORAGE:** Store in a cool, dry place. Do not contaminate water, food or feed by storage or disposal. Do not re-use empty container.

**DISPOSAL:** Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for future use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO BUYER:** Seller's guarantee shall be limited to the terms set out in the label, and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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