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Altosid® GRANULES

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

RESTRICTED

ACTIVE INGREDIENT: (S)-Methoprene 1.5%

REGISTRATION NO. 22676 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

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

NET CONTENTS:
1 to 454 kg

Wellmark International
100 Stone Road West, Suite 111
Guelph, Ontario N1G 5L3
1 800 688-7378

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

NATURE OF RESTRICTION: This product is to be used only in the manner authorized. Consult provincial pesticide regulatory authorities about use permits that may be required.

RESTRICTED USES:

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.

DIRECTIONS FOR USE:

Apply by ground equipment or by fixed wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions on the label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for ground and aerial application in this label.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

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.

Aerial application**Use Precautions**

Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Operator Precautions

Do not allow the pilot to load granules onto the aircraft.

It is desirable that the pilot has communication capabilities at each treatment site at the time of application.

The field crew and the loaders must wear chemical resistant gloves, coveralls and goggles or face shield during loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at (519)836-3684 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the same recommended rate for ground and aerial applications.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Avoid breathing dust. The use of a dust mask or NIOSH/MSHA/BHSE-approved respirator with a suitable dust filter to reduce inhalation exposure when transferring bulk product is strongly recommended. Do not use in water which may be used for immediate human or livestock drinking purposes.

Wear chemical resistant gloves when handling and/or applying this product.

ENVIRONMENTAL HAZARDS: TOXIC to aquatic organisms.

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: 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. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take the 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: Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further 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.

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HOTLINE 1-800-688-7378