

**Product name:** Altosid® Pellets Mosquito Growth Regulator

**Date:** 22 February 2000

**Pack sizes:** 15g, 10 kgL

**File:** AltPelletlabel.doc

**Reason:** Minor amendments prior to registration

**Page:** 1 of 6

**Type of label:** Bottle (10 kg) and Bag (15 g)

**Version:** 2

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10 kg bottle – front panel

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**ALTOSID® PELLETS  
MOSQUITO GROWTH REGULATOR**

ACTIVE CONSTITUENT: 40 g/kg (S)-METHOPRENE

GROUP	7A	INSECTICIDE
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**A SUSTAINED RELEASE PRODUCT TO PREVENT  
ADULT MOSQUITO EMERGENCE**

Net contents: 10 kg

NOVARTIS LOGO

**SPECIMEN**

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10 kg bottle – back panel

## DIRECTIONS FOR USE

**Restraint: DO NOT use in areas grazed by livestock\*.**

Site	Pest	Rate (kg/ha)	Critical Comments
<b>Temporary water sites:</b> Freshwater swamps and marshes, salt and freshwater lagoons, salt marshes, mangrove swamps, estuarine areas, woodland pools, any natural water holding features.	<i>Aedes</i> , <i>Anopheles</i> , and <i>Culex</i> <i>spp.</i>	3	Use this rate when water is shallow (< 30 cm), clean, and where larval mosquito counts are low (< 10 per dip).
<b>Permanent water sites:</b> Ornamental ponds, pools, birdbaths, plant pot holders, water troughs, gutters and any other artificial water holding containers, construction and other man-made depressions, tree holes, cesspools, septic tanks, sewage treatment settling ponds.  (For treatment by hand of small areas or containers with Altosid Pellets, refer to the Application section in the General Instructions)		4	Use this rate when water is deep (> 30 cm), or is rich in organic matter and/or sediment, or where larval mosquito counts are high (> 10 per dip).  4 kg/ha should be used when the major target mosquito species is <i>Culex sitiens</i> .

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**Users in NSW must comply with the NSW Clean Waters Act 1970 and its subsequent amendments.**

## GENERAL INSTRUCTIONS

**Always keep unused product as dry as possible**

ALTOSID PELLETS, when submerged in water, release (S)-methoprene for at least 30 days, preventing the emergence of adult mosquitoes including common *Aedes*, *Anopheles* and *Culex spp.* from treated sites. Treated larvae continue to develop normally to the pupal stage after which they fail to emerge. (S)-methoprene has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

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\* For mosquito control in areas grazed by livestock, Novartis Animal Health recommends Altosand<sup>®</sup> Mosquito Growth Regulator or Altosid<sup>®</sup> Liquid Larvicide Mosquito Growth Regulator.

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### **Application:**

ALTOSID PELLETS can be applied prior to flooding, or at any stage of larval development after flooding or in permanent water sites.

**Aerial:** Apply at rates from 3-4 kg/ha by fixed-wing aircraft or helicopters equipped with granular spreaders. Aerial application rates should be frequently checked by comparing amount of product used against area flown during application.

**Ground:** Apply using ground equipment which will achieve good, even coverage at the above rates.

ALTOSID PELLETS may be used in artificial containers which breed mosquitoes, such as water tanks, plant pot holders, tyres, gutters and catch basins, and in ornamental plants such as Bromeliads. For residual treatment of water in small containers or wet areas, the following is recommended:

1 pellet/L or m<sup>2</sup> for control up to 3 months

3 pellets/L or m<sup>2</sup> for control up to 6 months

### **Insecticide Resistance Warning**

For insecticide resistance management, ALTOSID is a Group 7A insecticide.

Some naturally occurring insect biotypes resistant to ALTOSID and other Group 7A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if ALTOSID or other Group 7A insecticides are used repeatedly. The effectiveness of ALTOSID on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Novartis Animal Health accepts no liability for any losses that may result from the failure of ALTOSID to control resistant insects.

### **Protection of Crops, Native and Other Non-Target Plants**

DO NOT apply when weather conditions favour drift from treated areas.

### **STORAGE AND DISPOSAL**

Keep out of reach of children. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store away from animals. DO NOT store with food, feedstuffs, seed and fertilisers.

Triple or preferably pressure rinse containers into the treated water. Do not dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

### **SAFETY DIRECTIONS**

**Will irritate the eyes. Avoid contact with eyes. When preparing product for use wear elbow-length PVC gloves and faceshield or goggles. If applying by hand wear elbow-length PVC gloves. If dust is present wear disposable dust mask. If product in eyes, wash it out**

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**immediately with water. Wash hands after use. After each day's use, wash gloves and face shield or goggles.**

#### **FIRST AID**

**If poisoning occurs, contact a doctor or Poisons Information Centre (Ph 131126).**

#### **Material Safety Data Sheet**

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy phone (1800) 633 768.

#### **WARRANTY AND EXCLUSION OF LIABILITY**

**This product is warranted fit for the purposes specifically recommended by Novartis Animal Health Australasia Pty Limited when used strictly as directed on this label. All other warranties and obligations for liabilities, whether expressed or implied by statute or otherwise, are excluded to the full extent that exclusion is permitted by law.**

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Novartis Animal Health Australasia Pty Ltd

ACN 076 745 198

140-150 Bungaree Road, Pendle Hill NSW 2145

NRA Approval No. 49275/0200

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## HOW TO USE

<b>Pest</b>	<b>Site</b>	<b>Rate</b>	<b>How to Apply</b>
For control of mosquitoes ( <i>Aedes</i> , <i>Anopheles</i> , and <i>Culex spp.</i> )	Small natural or artificial water holding containers, eg bird baths, plant pot holders, and ornamental plants such as Bromeliads	<b>Small containers &lt;1 L:</b> 1 pellet <b>Larger containers &gt;1 L:</b> 1 pellet/L or m <sup>2</sup> for control up to 3 months 3 pellets/L or m <sup>2</sup> for control up to 6 months	Place pellet(s) into water in container to be treated

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## STORAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store away from animals. DO NOT store with food, feedstuffs, seed and fertilisers.

Dispose of empty container by wrapping with paper and putting in garbage.

## SAFETY DIRECTIONS

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