

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# CULITHOR™

## GRANULAR MOSQUITO GROWTH REGULATOR

ACTIVE CONSTITUENT: 12 g/kg (S)-METHOPRENE

**GROUP 7A INSECTICIDE**

For the prevention of  
adult mosquito emergence

**ENSYSTEX AUSTRALASIA PTY LTD**

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[www.ensystex.com.au](http://www.ensystex.com.au)

**CUSTOMER SERVICE 13 35 36**  
**EMERGENCY RESPONSE (ALL HOURS) 13 35 36**

**Net Contents:**  
**1 kg**

APVMA Approval No:  
69802/61760

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### DIRECTIONS FOR USE:

#### Restraint:

Prior to spraying of areas grazed by livestock, users must notify livestock producers of the withholding period.

Site	PEST	RATE	CRITICAL COMMENTS
Freshwater swamps and marshes, salt and freshwater lagoons, salt marshes, mangrove swamps, estuarine areas, woodland pools, any natural water-holding features. For use in open water or where water is obscured by vegetation.	<i>Aedes</i> , <i>Anopheles</i> , <i>Culex</i> and <i>Ochlerotatus</i> spp.	1.0 kg/ha	Use this rate when water is shallow (<30 cm), clean and mosquito larval numbers are low (<10 per dip).
		1.3 kg/ha	Use this rate when water is deep (>30 cm), vegetation and/or pollution are present, and/or mosquito larval numbers are high (>10 per dip).
		1.7 kg/ha	This rate should only be used when the major target mosquito species is <i>Culex sitiens</i> .

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

Users in NSW must comply with the Protection of the Environment Operations Act, 1997 and its subsequent amendments.

#### WITHHOLDING PERIODS

**NO WITHHOLDING PERIOD IS REQUIRED FOR LIVESTOCK CONSUMING THE TREATED WATER IF PRODUCT IS APPLIED DIRECTLY INTO WATER.**

**IF PRODUCT IS APPLIED TO DRY SITES (PRIOR TO FLOODING OR RAINFALL) THEN THE FOLLOWING WITHHOLDING PERIOD MUST BE OBSERVED:**

**LIVESTOCK THAT GRAZE VEGETATION OR SOIL WITHIN 14 DAYS OF APPLICATION MUST BE PLACED ON CLEAN FEED FOR A PERIOD OF 21 DAYS PRIOR TO SLAUGHTER.**

**USERS MUST NOTIFY LIVESTOCK PRODUCERS OF THE WITHHOLDING PERIOD PRIOR TO TREATING DRY SITES THAT MAY BE GRAZED BY LIVESTOCK.**

## GENERAL INSTRUCTIONS

Always keep unused product as dry as possible.

CULITHOR prevents the emergence of adult mosquitoes, including common *Aedes*, *Anopheles*, *Culex* and *Ochlerotatus* spp. from treated sites. Treated larvae continue to develop normally to the pupal stage after which they fail to emerge. CULITHOR has sufficient activity to be effective against existing broods when applied to any larval stage at recommended rates. Third and fourth larval instars are more susceptible to the effects of (S)-methoprene than early stages. **(S)-methoprene has no effect on mosquitoes which have reached the pupal or adult stage of development at time of treatment.**

### Application:

CULITHOR can be applied prior to flooding by tides, or at any larval stage after flooding by rain or tides, or in permanent water sites.

**Aerial:** Apply by fixed wing aircraft or helicopters equipped with granular spreaders capable of applying rates from 1 - 1.7 kg/ha.

**Ground:** Apply by hand or by using ground equipment capable of achieving good, even coverage. A guide to the weight of CULITHOR at rates typically used to treat small areas is given in the following table.

Area to be treated	1.0 kg/ha RATE	1.3 kg/ha RATE
10 m <sup>2</sup>	1 g	1.3 g
100 m <sup>2</sup>	10 g	13 g

## Insecticide Resistance Warning

**GROUP 7A INSECTICIDE**

For insecticide resistance management CULITHOR Granular Mosquito Growth Regulator is a Group 7A insecticide. Some naturally-occurring insect biotypes resistant to CULITHOR 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 CULITHOR or other Group 7A insecticides are used repeatedly. The effectiveness of CULITHOR on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Ensysstex Australasia Pty Ltd accepts no liability for any losses that may result from the failure of CULITHOR to control resistant insects.

CULITHOR may be subject to specific resistance management strategies. For further information contact

Ensysstex Australasia Pty Ltd or a local agricultural department agronomist.

## 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.

Triple-rinse containers before disposal. Dispose of rinsate or any undiluted chemical according to state/territory legislative requirements. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

## SAFETY DIRECTIONS

May irritate the eyes. Avoid contact with eyes. Wash hands after use.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

## MATERIAL SAFETY DATA SHEET

Additional information is listed on the Material Safety Data Sheet for CULITHOR which is available from Ensysstex on request. Call Customer Service 13 35 36 or visit our web site at [www.ensystex.com.au](http://www.ensystex.com.au).

## NOTICE

Ensysstex warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with Directions for Use under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions or under off-label permits not endorsed by Ensysstex, or under abnormal conditions.

Batch No:

DOM:

**L-AU-CHECL1001 1.01 10.14**