



# Acephate

## A GRANULAR INSECTICIDE FOR USE ON TURFGRASS (LIMITED TO GOLF COURSES AND SOD FARMS).

<b>ACTIVE INGREDIENT:</b>	<b>% BY WT.</b>
Acephate (O,S-Dimethyl acetylphosphoramidothioate)	4.00%
<b>OTHER INGREDIENTS:</b>	96.00%
	Total 100.00%

**NET WEIGHT: 50 POUNDS**

Agrium Advanced Technologies (US) Inc.  
100 Technology Loop  
Sylacauga, AL 35150

EPA Reg. No. 84886-1  
EPA Est. No. 84886-AL-001

### KEEP OUT OF REACH OF CHILDREN CAUTION

#### FIRST AID

Organophosphate Insecticide

- IF SWALLOWED:**
- Call a poison control center of 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 center or doctor.
  - Do not give anything by mouth to an unconscious person.
- IF INHALED:**
- Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- IF IN EYES:**
- Call a poison control center of doctor for further treatment advice.
  - 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.
- IF ON SKIN OR CLOTHING:**
- Call a poison control center of doctor for treatment advice.
  - Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center of doctor for treatment advice.

**Have the product container of label with you when calling a poison control center of doctor, or going for treatment.**

**NOTE TO PHYSICIAN:** Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine, but should not be used alone.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMAN AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Cover or soil incorporate spills. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of wastes of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, and viton.

**Loaders, applicators and other handlers must wear:**

- Long sleeved shirt and long pants
- Chemical resistant gloves
- Shoes plus socks

In addition, mixers, loaders, and applicators supporting or making broadcast applications to turf must wear:

- A NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENT:** When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

- Users should:**
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
  - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
  - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. For other uses, do not enter treated areas until dusts have settled, or for those areas where irrigation is required following treatment, until treated areas have dried.

### GENERAL USE INFORMATION

Precise is a systemic insecticide for control of pests in turfgrass (limited to golf courses and sod farms). The active ingredient, acephate, is a water-soluble insecticide that is readily absorbed by plant foliage and roots to provide systemic control of feeding insects.

### MIXING DIRECTIONS

Use of this product in combination with any other product that is not specifically and expressly authorized by the product label shall be at the exclusive risk of the applicator, applicator advisor, and/or user.

Read and follow the entire product label of each product that is being considered for use in combination with this product.

### USE RECOMMENDATIONS

CROP	PEST	AMOUNT Precise Acephate	SPECIAL USE INSTRUCTIONS
<b>TURFGRASS: RECREATIONAL TURFGRASS</b> Golf Courses Only (non-agricultural classification)	Chinch Bugs Grubs (except California) Mole Crickets Spittlebugs	Use 2.3 pounds of this product per 1,000 square feet (equivalent to 100 pounds of this product per acre)	Application should be made with broadcast ground equipment that is properly calibrated to uniformly apply the recommended use rate of this product.  Irrigate immediately after application with 1/8 inch water. Do not over-water or allow puddles to form. Immediate irrigation without puddling minimizes exposure of birds to broadcast granules.  Repeat applications may be necessary.  DO NOT APPLY more frequently than 1-week intervals.
<b>COMMERCIAL TURFGRASS</b> Sod Production Farms (agricultural classification)	Chinch Bugs Grubs (except California) Mole Crickets Spittlebugs	Use 1.7 pounds of this product per 1,000 square feet (equivalent to 75 pounds of this product per acre)	DO NOT allow livestock to graze in areas that have been treated with this product.  DO NOT feed turfgrass that has been treated with this product to livestock.  For optimum preventative mole cricket control, this product should be applied within 2 weeks of first hatch.  Do not apply within 3 days of harvest on sod.  Aerial application to turf is prohibited.

### STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage, disposal, or cleaning of application equipment.  
**PESTICIDE STORAGE:** Keep pesticide in original container. Store in a cool, dry place. Protect this product from excessive heat. DO NOT contaminate food or foodstuffs. DO NOT store or transport near feed or food.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waster disposal facility.  
**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container.  
**BAGS:** Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### CONDITIONS OF SALE AND WARRANTY

**Read the entire label of this product before its application and use.**

#### LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties, and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user of buyer accepts the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

#### CONDITIONS

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Agrium Advanced Technologies (US) Inc. All such risks shall be assumed by the user or buyer.

#### DISCLAIMER OF WARRANTIES

To the extent consistent with applicable law, Agrium Advanced Technologies (US) Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Agrium Advanced Technologies (US) Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Agrium Advanced Technologies (US) Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

#### LIMITATIONS OF LIABILITY

To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Agrium Advanced Technologies (US) Inc.'s election, the replacement of product.

Copyright 2008 by Agrium Advanced Technologies (US) Inc.  
PRECISE is a registered trademark of Agrium Advanced Technologies (US) Inc.

Manufactured By:  
Agrium Advanced Technologies (US) Inc.  
100 Technology Loop  
PO Box 1187  
Sylacauga, Alabama 35150

Always check with your State to verify State registration status.

For more information call:  
1-800-422-4248  
www.agriumat.com  
PRECISE-2008-01

Precise Acephate (84886-1)(EPA app 3-7-08)