

84886-2

2/12/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

February 12, 2009

Agrium Advanced Technologies (US) Inc.
c/o Wagner Regulatory Associates, Inc.
P.O. Box 640
Hockessin, DE 19707

5-844193 332
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Attention: Ms. Cheryl Wagner

Decision #
405542

Subject Precise Acephate
 EPA Reg. No. 84886-2
 Your Notification application of February 2, 2009

Purpose The Agency has received your Application for Pesticide Notification under Pesticide Registration Notice 2007-4, dated February 2, 2009, to revise the label for this product, Precise Acephate and to submit final printed labels to comply with the Notice of Registration, dated January 20, 2006.

Review The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-4 and has found that the action falls within the scope of these PR notices. The label submitted with the application has been stamped "Notification" and will be placed in our records. We did not review the final printed label to determine if you had made all of the requested changes in the January 20, 2006, Notice. At the time of transfer on March 7, 2008, the Agency approved the new product name, company name/address, and registration number.

Questions If you have questions about this letter, please contact me at 703-305-5407 (phone); 703-308-0029 (fax); or peacock.dan@epa.gov (E-Mail).

Sincerely,

Daniel B. Peacock, Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

PRECISE ACEPHATE

GREENHOUSE & NURSERY INSECTICIDE

For Use on Container Grown Ornamental Nursery Crops in Greenhouses, Lathhouses, and Shadehouses

NOTIFICATION

ACTIVE INGREDIENT:		% BY WT.
Acephate (O,S-Dimethyl acetylphosphoramidothioate)	FEB 12 2009	4.00%
OTHER INGREDIENTS:		96.00%
		Total 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

Organophosphate Insecticide

- IF SWALLOWED:**
- Call a poison control center 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 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 or 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.
 - Call a poison control center 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 center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or 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 HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Wash thoroughly with soap and water after handling.

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 or 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.

NET CONTENTS: 50 POUNDS

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

EPA Reg. No. 84886-2
EPA Est. No. 84886-AL-001

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Chemical resistant gloves made of any water proof material
- Shoes plus socks

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.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 water proof material
- Shoes plus socks

GENERAL INFORMATION

Precise Greenhouse & Nursery Insecticide is a 4% granular insecticide for the systemic control of insect pests in container grown greenhouse and nursery stock (greenhouse, lathhouse, shadehouse, and outdoor). The active ingredient, acephate, is a water-soluble insecticide that is readily absorbed by plant foliage and roots.

Precise Greenhouse & Nursery Insecticide is a systemic product that is translocated within the plant to control feeding insects. For optimum effectiveness, the product must be placed where the roots of the plants can absorb the active ingredient. Irrigate moderately but thoroughly, immediately after application, allowing no leaching and/or runoff from containers or application site.

Resistance: Some insects have developed resistance to insecticides after their repeated use. As with any insecticide, the use of this product should conform to insect resistance management strategies. Consult your Cooperative Extension Service for insect resistance management strategies and recommended pest management practices for your area.

Application Instructions

Topdress Applications: Uniformly apply the specified "APPLICATION RATE" of this product evenly over the surface of the growing medium for the specific container size given below in the "USE RECOMMENDATIONS" table. Irrigate immediately after application of this product, but avoiding excessive irrigation, to initiate the release of the product but not allowing any leaching and/or runoff from the treated containers.

Broadcast Applications: Apply this product uniformly to nursery plants grown in beds, benches, containers, flats with broadcast application equipment at the recommended "APPLICATION RATE" given in the "APPLICATION RATE" table below. Irrigate immediately after application to move the active ingredient of this product into the root zone. Allow no leaching and/or runoff from the treated area.

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.

APPLICATION RATES

PEST	CONTAINER SIZE	TOPDRESS APPLICATION GRAMS PER CONTAINER	BROADCAST APPLICATION
Ants (excluding fire, harvester, carpenter, and pharaoh) Aphids Bagworms Grasshoppers Japanese Beetles Lacebugs Leaf Beetles (including Elm and Viburnum Leaf Beetles) Leafhoppers Leafminers Leafrollers Mealybugs Plant Bugs (<i>Lygus</i> spp.) Psyllids Root Weevils (including Black Vine, Apopka, Scale Thrips Webworms Whiteflies White Grub Larvae (including Elm Leaf and Japanese Beetles)	1 Quart	0.8	Apply 25 lbs. of product per acre or 0.6 lbs per 1,000 square feet.
	Azalea	2	
	#1	3	
	#2	7	
	#3	12	
	#5	17	
	#7	23	
	#10	39	
	#15	58	
	#25	116	
	#45	185	
	#65	212	
	#95	305	
	#200	540	
#300	788		

Conversion Table for the Amount of Precise Acephate Greenhouse & Nursery Insecticide Applied Using:								
Topdress Spoon Number:	1	2	3	4	5	6	7	8
Grams per Spoon:	11	15	21	26	37	53	68	82
Other Measures:	1 tsp.	1 Tbsp.	¼ cup	1/3 cup	½ cup	1 cup	2 cups	3 cups
Grams Per Measure:	5	15	46	67	121	230	460	920

STORAGE AND DISPOSAL

PROHIBITIONS: DO NOT contaminate water, food, or feed by storage, disposal, or cleaning of application equipment. Open dumping is prohibited.

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 waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. DO NOT reuse container. 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.

LIMITED WARRANTY

Agrium Advanced Technologies (US) Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label only when used in accordance with label directions under normal conditions of use. No agent or representative of Agrium Advanced Technologies (US) Inc. or Seller is authorized to make or create any other express or implied warranties either of merchantability or fitness for a particular use.

Handling, storage, and use of this product by Buyer or User are beyond the control of Agrium Advanced Technologies (US) Inc. and Seller. Risks such as crop injury, ineffectiveness, or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift or movement to other crops or property, or failure to follow label directions will be assumed by the Buyer or User.

LIMITATION OF LIABILITY

In no event will Agrium Advanced Technologies (US) Inc. or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage, or use of this product.

The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, loss of revenue, emotional or mental distress and/or exemplary damages.

The exclusive remedy of the Buyer, and the exclusive maximum liability of Agrium Advanced Technologies (US) Inc. or Seller for any and all claims, losses, injuries or damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the handling, storage, or use of this product shall be the return of the purchase price of this product or, at the election of Agrium Advanced Technologies (US) Inc. or Seller, the replacement of the product.

NOTICE OF CLAIM

Agrium Advanced Technologies (US) Inc. must be provided notice as soon as Buyer or User has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made. If Buyer or User does not notify Agrium Advanced Technologies (US) Inc. of any claims, in such period, it shall be barred from obtaining remedy.

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Agrium Advanced Technologies (US) Inc. and Seller offer this product, and Buyer or User accepts it, subject to the foregoing Conditions of Sale and Warranty, which may not be modified by any oral or written agreement.

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

Manufactured By:
Agrium Polymer Coatings
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