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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

75748-1

Date of Issuance:

JUL 20 2005

NOTICE OF PESTICIDE:

x Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance: conditional

Name of Pesticide Product:

Borer-Stop Ecotab

Name and Address of Registrant (include ZIP Code):

AgSciTech
365 North 600 West
Logan, UT 84321

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product when the Agency requires all registrants of similar products to submit such data.

Since the Interim Reregistration Eligibility Decision (IREED) and the accompanying Data Call-In (DCI) have been issued for acephate and you have referenced a registered acephate product in support of your product, the registration issued for your product is conditioned on acceptable data being submitted for the supporting product in response to the DCI or new data being submitted to replace any unacceptable data. If the data are unacceptable and will not be replaced, the supporting product registration will be subject to being suspended. In that event, you will lose your formulator's exemption and become subject to providing these data or being suspended.

2. Package the product within a gelatin capsule and then in a plastic cartridge that also serves as an application device as described in your e-mail of July 19, 2005 before you release the product for shipment.

3. Submit your revised Confidential Statement of Formula (CSF) reflecting the capsule material and your revised EPA Form 8570-1 reflecting the packaging as described in your e-mail of July 19, 2005 before you release the product for shipment.

Signature of Approving Official:

Handwritten signature of Mark A. Mout

Date:

JUL 20 2005

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4. Make the following label changes before you release the product for shipment.

a. Add the designation, "EPA Reg. No. 75748-1".

b. Make the corrections cited below on the second page in the Precautionary Statements paragraph.

- Correct "cloth" to read "clothing".

- Remove the statement, "Do not handle the tablets with wet gloves or allow the tablets to become wet." Since packaging of the product as described in item two of this Notice eliminates the need for handling of the tablet itself, this precautionary statement is no longer appropriate.

c. Since it is the entire cartridge containing the tablet and its outer capsule that is being handled and inserted into the tree, correct "tablet" and "capsule" to "cartridge" wherever these terms appear on the first and third pages.

d. In the Hazards to Humans and Domestic Animals precautionary statement section, add the phrase, "Material within the gelatin capsule is" to the statement, "Harmful if swallowed or absorbed through skin." to reflect the packaging of the product as described in item two of this Notice.

e. Remove the implied safety claim, "with minimum exposure to non-target organisms, animal, humans and the environment" appearing in paragraph number three on the 4<sup>th</sup> page.

5. Submit two copies of the revised final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



Marilyn A. Mautz  
Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7504C)

# BORER-STOP ECOTAB™

**Borer-Stop EcoTab™** contains a systemic insecticide for the control of a wide range of insects (including borers) and mites of ornamental trees, shrubs, and non-crop trees.

ACTIVE INGREDIENT .....	Percent by Wt.
Acephate (O, S-Dimethyl acetylphosphoramidothioate).....	97.00
INERT INGREDIENTS .....	3.00
<hr/>	
TOTAL .....	100.00

Each capsule contains:

1.0 gram Acephate active ingredient      Net Contents: 10 capsules

1.3 grams Acephate active ingredient

**Easy to use concentrated Acephate capsules.**

EPA Reg. No.:

Patent Pending

EPA Establishment No.: 075748-UT-001

**IMPORTANT:**

**READ THE LABEL CAREFULLY BEFORE USE.**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PELIGRO** – Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label find someone to explain it to you in detail.)

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:**

**JUL 20 2005**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

75748-1

<b>FIRST AID</b>	
<b>Acephate is an organophosphate, cholinesterase inhibitor</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice</li> <li>• Have person drink a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>NOTE TO PHYSICIAN:</b> Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine but should not be used alone.</p>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment information.</p>	

<b>PRECAUTIONARY STATEMENTS</b>
<p><b>HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION:</b> Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Wash hands thoroughly with soap and water after handling. Remove and wash contaminated cloth separately from household clothing. Do not handle the tablets with wet gloves or allow the tablets to become wet.</p> <p><b>PERSONAL PROTECTIVE EQUIPMENT (PPE):</b> Applicators and handlers must wear chemical resistant gloves made of water-proof material, long-sleeved shirt and long pants, shoes plus socks, and protective eyewear (goggles, face shield, or safety glasses). Keep and wash PPE separately from other laundry. Wash the outside of gloves with soap and water before removing.</p> <p>Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</p> <p><b>Environmental Hazards:</b> This pesticide is toxic to birds. 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 equipment washwater.</p>

**DIRECTIONS FOR USE:**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**ECOTAB INSTALLATION DIRECTIONS**

FOR RESIDENTIAL USE: FOR USE ON ORNAMENTAL TREES IN GARDENS, PARKS, LANDSCAPES, GOLF COURSES, AND LAWNS. Follow label instructions carefully. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

For best results, treat trees early during the growing season when the trees are actively growing, and when insects first appear.

**TREE TRUNK APPLICATION****DETERMINING CAPSULE AND DRILL BIT SIZE**

- A. Small Size Trees: Do NOT use on trees that are less than 3 inches in diameter.
  - B. Medium Size Trees (Trunk diameter between 3 and 18 inches)
    - Use capsules with 1.0 gram Acephate. Drill holes using 5/16-inch drill bit.
  - C. Large Size Trees (Trunk diameter larger than 18 inches)
    - Use capsules with 1.3 grams Acephate. Drill holes using 3/8-inch drill bit.
1. The number of capsules used depends on tree trunk diameter or circumference. Use a Measuring Tape to measure the circumference of the tree trunk. Divide the circumference number by 6 to determine the number of capsules used per tree. Use 1 capsule for every 6 inches (15 cm) of tree circumference. A tree with 18 inches (45 cm) in circumference (or 6 inches (15 cm) in Diameter) would require 3 capsules injected 6 inches (15 cm) apart.
  2. Use a portable drill with a clean, sharp bit and drill the holes 4 – 8 inches (10 –20 cm) above the ground level. Distribute the holes evenly at six inch spacing around the circumference. **Offset** the holes around the trunk at different heights to avoid weakening the tree. Drill the holes about **1.0 to 1.25** (2.5-3.2 cm) inches into the vascular system (cambium layer) under the bark. A slightly downward angle is recommended for the capsule to sit in the hole. Remove all drill shavings from each hole before capsule installation. Install 1 capsule per hole by gently tamping it down with a dowel. Make sure that the capsule is fully inserted to the bottom of the hole. Leave the tablet in the tree. Cover the wound area with a thin layer of bees or pruning wax. NOTE: Do not repeat treatments on trees that have not shown the ability of wound healing in a previous tree injection treatment.

Disinfect drill bit with alcohol or disinfectant after each tree treatment to prevent disease spread, if present.

3. The capsule slowly dissolves to release the insecticide within the trunk. The insecticide remains in the tree with minimum pesticide exposure to non-target organisms, animal, humans and the environment. Solubility characteristic of the capsule and the systemic action of the insecticide provides control of a wide range of insect pests.

### **PESTS CONTROLLED (INSECTS & MITES)**

Aphids, Bagworms, Birch Borer, Box Elder Bugs, Budworms, California Oakworm, Cankerworms, Casebearer, Citrus Blackfly, Citrus Mite, Douglas Fir Needle Midge, Douglas Fir Tussock Moth Larvae, Elm Leaf Beetle Larvae, Fall Webworm, Grasshoppers, Gypsy Moth Larvae, Honeylocust Mite, Japanese Beetle, Lace Bugs, Leaf Hopper, Leaf Roller, Leafminers, Mapleworm, Mimosa Webworm, Palm Weevils, Pine Tip Moth Larvae, Pine Needle miner, Root Weevil adults, Scales, Spruce Budworm and Coneworm, Tent Caterpillar, Thrips, webworms, Whiteflies, White Pine Weevil, Wooly Adelgid, and Zimmerman Pine Moth.

### **TREATED TREES**

Ash, Alder, Aspen, Banyon, Birch, Non-bearing Cherry, Non-bearing Citrus, Cottonwood, Dogwood, Elm, Eucalyptus, Ficus, Flame, Hawthorn, Hemlock, holly, Kentucky Coffeetree, Larch, Lilac, Linden, Locust, Maple, Mimosa, Non-bearing Olives, Oak, Non-bearing Peach, Pines (fir and Spruce), Plane, Plumeria, Poplar, Redbud, Redwood, Royal Palm, Sycamore, Tulip, Non-Bearing Walnut, and Willow. **Non-Bearing** refers to trees that will not produce fruit within one year of treatment.

**Note:** Before treating large areas, test on few plants and observe for two weeks for phytotoxicity symptoms. Phytotoxicity has occurred on the following crabapples varieties: "Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine, and Snow Cloud".

### **IMPORTANT FACTS ABOUT TREE BORERS:**

While tree injections are effective for treating diseases and insects, the best method of protection is to fertilize and irrigate the trees regularly during the growing season. Healthy trees are more resistant to attacks by insects or diseases than weak trees.

The pest must come in contact or feed on a treated part for the tree injection treatment to be effective. Some borers e.g. Aspen borers may take more than one season to be controlled. Some Aspen borers have the tendency to tunnel deeply in the tree wood and may take some time before they get killed.

### **STORAGE AND DISPOSAL**

**Pesticide Storage:** Store in original container, in a cool, dry place out of direct sunlight and away from heat sources. Keep from overheating or freezing. Store in a locked storage area. Do not contaminate water, food or feedstuffs. Do not store or transport near feed or food.

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**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of according to local, state, and federal regulations at an approved waste disposal facility.

**Container Disposal:** Do not Re-use empty container or container wrappings. Wrap and place in trash collection.

**LIMITED WARRANTY**

**NOTICE TO BUYER – IMPORTANT: READ BEFORE USE.** AgSciTech warrants that this product conforms to the chemical composition on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Buyer or user accepts the following **CONDITIONS, DISCLAIMER AND LIMITATIONS** by using this product.

**CONDITIONS:** The directions for use of this product are based on tests believed to be reliable. However, all risks associated with the use of this product cannot be eliminated. These risks include, but are not limited to, injury to plants, ineffectiveness, or resistance of the target pest to this product. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and could occur as a result of such factors as time of application, weather or soil conditions, moisture conditions, irrigation practices, condition of the plants at time of application, disease, cultural practices, presence of other materials or combination of such factors all of which are beyond the control of AgSciTech Company. The buyer or user shall assume all such risks.

**DISCLAIMER:** AgSciTech Company makes no other warranties, express or implied, of suitability for a particular purpose beyond the statements made on this label. AgSciTech Company disclaims liability for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS:** 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 the discretion of AgSciTech Company, product replacement. If these terms are not acceptable, buyer should promptly return the unopened product container.