

74578-2

03/09/2006

1/8

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-99



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
**306426**

**Application for Pesticide - Section I**

|   |  |  |
|---|--|--|
| 1. Company/Product Number<br><b>74578-2</b>   | 2. EPA Product Manager<br><b>Marilyn Mautz</b> | 3. Proposed Classification<br><input type="checkbox"/> None <input type="checkbox"/> Restricted  |
| 4. Company/Product (Name)<br><b>ARBORJET, INC. / ACE-JET</b>  | PM# <b>Insecticide-Rodenticide Branch</b>      |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br><b>ARBORJET, INC.<br/>c/o Delta Analytical Corp.<br/>7910 Woodmont Ave. Suite 1000<br/>Bethesda, MD 20814</b><br><input type="checkbox"/> Check if this is a new address |  | 6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No. _____<br>Product Name _____ |

**Section - II**

**NOTIFICATION**  
**MAR 29 2006**

Amendment - Explain below  
 Resubmission in response to Agency letter dated \_\_\_\_\_  
 Notification - Explain below.  
 Final printed labels in response to Agency letter dated \_\_\_\_\_  
 "Me Too" Application.  
 Other - explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
  
Notification of typographical error: to make tree DBH number uniform throughout label. Changes 6-12" to 6-11"  
  
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec.1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material this Product will be Packaged in:

|   |   |  |  |
|---|---|--|--|
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | 2. Type of Container<br><input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| * Certification must be submitted.  |   | If "Yes,"<br>Unit Package wgt.    No. per container                                    |  |

3. Location of Net Contents Information  
 Label  Container

4. Size(s) of Retail Container

5. Location of Label Direction  
 On Label  
 On Labeling accompanying product

6. Manner In Which Label Is Affixed to Product  
 Lithograph  Paper glued  Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

|                                |   |  |
|--------------------------------|---|--|
| Name<br><b>Donna Leventhal</b> | Title<br><b>Agent for Arborjet Inc.</b> | Telephone No. (Include Area Code)<br><b>301-652-5495</b> |
|--------------------------------|---|--|

**Certification**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any kind of knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received  
**(Stamped)**

|   |  |
|---|--|
| 2. Signature<br>                        | 3. Title<br><b>Agent for Arborjet Inc.</b> |
| 4. Typed Name<br><b>Donna Leventhal</b> | 5. Date<br><b>3/14/06</b>                  |



NOTIFICATION  
MAR 29 2006

## ACE-jet

Micro-Injectable and Micro-Infusible Insecticide for use with the *Arborjet Injection Systems* in the Management of Specific Insect Pests of Trees & Landscape Ornamentals including Conifers, Christmas Tree & Deciduous Tree Farms, Seed Orchards and Plantations, and Forest Trees.

Active Ingredient:

|  |             |
|--|-------------|
| Acephate                                   |             |
| [O,S-DIMETHYL ACETYL PHOSPHORAMIDOTHIOATE] | .....97.4%  |
| Other Ingredients                          | .....2.6%   |
| Total                                      | .....100.0% |

EPA Reg. No. 74578-2

EPA Est. No.

**STOP—read the entire label before use.  
KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**ADVISO:**

Precaucion al usuario: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

To the user: If you cannot read or understand English, do not use this product until the label has been fully explained to you.

Manufactured for: Arborjet, Inc.  
70B Cross Street  
Winchester, MA 01890-1228

Net Contents: 20pc. 15gram packets

## DIRECTIONS FOR USE

It is in 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 indirectly through drift. Only protected handlers may be in the area during application. For requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

For agricultural and commercial use only. Not for use or storage around the home.

### 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 greenhouse, 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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

No Worker Protection Standard worker re-entry restrictions or worker notification requirements apply when this product is directly injected into agricultural trees.

**IMPORTANT:** Read the entire label before use. Failure to follow label directions may result in poor control or plant injury. Failure to follow label directions may cause injury to people, animals and environment. The buyer accepts and understands that failure to follow label directions is the responsibility of the buyer.

Do not use this product on food bearing trees or shrubs or on trees or shrubs that will bear food within one year after application.

### APPLICATION TO ORNAMENTALS

*ACE-jet* is for use on trees & landscape ornamentals including conifers, Christmas tree & deciduous tree farms and plantations. *ACE-jet* is an infusible insecticide formulated to translocate in the plant vascular system from the microinjection site(s). To assure optimum effectiveness, this product must be placed into the active sapwood.

### General Directions

*ACE-jet* is for use ONLY with the tree injection systems specified on this label which include the specified VIPER and STINGER technologies.

Measure the tree **diameter** at chest height (54" from ground) in inches to find the Diameter at Breast Height (DBH). If measuring circumference, divide this number by three to determine Diameter at Breast Height (DBH).

Make applications to actively growing trees in full leaf. Conditions that favor transpiration (i.e., sunny, breezy, low humidity) are optimal for injection uptake. Treat conifers in the early morning during hot, dry periods for optimum uptake.

## Arborjet Micro-injection and Micro-infusion Procedures

Inject into the trunk tissue immediately above the trunk flare, or alternatively inject into tree roots exposing them by shallow excavation. After drilling a small reservoir in the sapwood, the Arborplug™ will be set in the first few xylem elements (i.e., active sapwood).

Microinject circumferentially around the tree, injecting no closer than 6.0 inches apart. Refer to Tree Diameter Table below to determine the optimum number of injection sites to apply. DO NOT microinject trees stressed by drought. Irrigate trees prior to treatment for optimal product uptake.

### Basic Arborjet VIPER Procedure:

Drill through the bark then 5/8" into the sapwood using the appropriate sized drill bit. Brad point bits are recommended, and all drill bits should be clean and sharp. Then set the Arborplug™ into place with the set tool and mallet.

For recommended Arborplug™ sizes on specific sized trees refer to the Tree Diameter Table below. Using the VIPER needle, pierce the internal septum to start the injection or infusion process. Remove VIPER needle upon the completion of the infusion process.

### Tree Diameter, Range of Trunk Application Sites and Arborplug™ Size Selection.

| Tree DBH | Number of Application Sites (Tree I.V.) | Number of Application Sites (Air/Hydraulic or Hand-operated) | Size of Arborplug™ (Hardwoods) | Size of Arborplug™ (Conifers) |
|----------|---|--|--------------------------------|-------------------------------|
| <12"     | 4                                       | 4  | #2, #3                         | #3                            |
| 12"      | 4                                       | 6  | #2, #3                         | #4                            |
| 16"      | 4                                       | 8  | #3                             | #4                            |
| 20"      | 5                                       | 10   | #3                             | #4                            |
| 24"      | 6                                       | 12   | #3                             | #4                            |
| 28"      | 7                                       | 14   | #3                             | #4                            |
| 32"      | 8                                       | 16   | #3                             | #4                            |
| 36"      | 9                                       | 18   | #3                             | #4                            |
| >36"     | Use DBH/4                               | Use DBH/2  | #3                             | #4                            |

### Alternative Arborjet STINGER Procedure:

Alternatively set the #2 (13/64" drill bit) STINGER (removable injector tips) by gently tapping the injector tip into predrilled hole with a mallet. Remove STINGERS upon completion of infusion process.

### Resinous Conifers

In resinous conifers, such as pine and spruce, start the injection and/or infusion process immediately following the setting of the Arborplug™ into the sapwood. A prolonged delay may reduce uptake efficacy on account of resin flow.

### Ornamental Monocots

In palm, drill a pilot hole into the vascular bundle using a 1/8" diameter bit one-third into the palm, then drill a second, shallow hole (5/8") to set an Arborplug™, use the VIPER needle to complete the application. Only one site is needed. Make applications into the stem, below the primary meristem. Avoid wounding the meristematic tissue located within the crown of the plant. In general, make applications to the lower trunk region, typically within 12" of the soil.

### Mixing Instructions

Refer to the table below for mixing quantities. Use the appropriate number of packets for the tree size you wish to inject. Empty the contents of the packet into the injection canister. Add the appropriate amount of water to the canister. Use distilled water or acidic to neutral water (pH 5.5-7.0). Close the canister by screwing on the lid. Next swirl the contents THOROUGHLY until all the ACE-jet is dissolved. Now you are ready to pressurize the canister for the injection process.

The number of 15 gram ACE-jet packets and the amount of water for Total Injection Volume (TIV) for each tree size class.

| Tree Size Class | # ACE-jet packets | mL of water (TIV) |
|-----------------|-------------------|-------------------|
| 6-11"           | 1                 | 100               |
| 12-23"          | 2                 | 200               |
| 24-35"          | 4                 | 400               |
| 36-47"          | 6                 | 600               |
| 48-59"          | 8                 | 800               |
| 60-71"          | 10                | 1000              |

## Arborjet Systems

### Air/Hydraulic Injection Application

Prepare the injection solution following the mixing instructions above. To inject, set the primary regulator to 75 PSI, charge the 10mL Dose-Sizer by pulling back on Dose-Sizer knob after priming, and apply the specified dose equally into the preset Arborplug™ ports.

### Hand-Operated Injection Application

Prepare the injection solution following the mixing instructions above. Close and hand pump or pressurize to between 15 and 25PSI. Charge the 10mL Dose-Sizer by pulling back on Dose-Sizer knob, then apply specified dose as per example, above.

### Tree I.V. Infusion Application

Prepare the injection solution following the mixing instructions above. Close and pump to blow off (35-45PSI). Insert the VIPER needle into the Arborplug™ port to begin the infusion. Remove when application is complete.

### Clean-up

**IMPORTANT!** It is critical to rinse the Arborjet Injection System thoroughly after use. Use **CLEAN-jet** or isopropyl alcohol. Residues left in the device may gum the internal components.

### Compatibility

ACE-jet is compatible with all Arborjet fertilizers including the MICRO-jet infusible series. However the physical compatibility of ACE-jet should be tested before use with other products.

To determine the physical compatibility of ACE-jet with other products, use a jar test as described below.

1. Using a pint jar, add the proportionate amounts of the two products to 1 pint of water.
2. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed, it is physically compatible. If precipitates form, the combination is incompatible.
3. Once compatibility has been proven acceptable, use the same procedure for adding required ingredients to the injection canister.

User must comply with all applicable directions, restrictions and precautions on the EPA-registered label when using any pesticide in tank mix combinations. The most restrictive labeling applies when using a tank mix.

**NOTE:** The safety of all potential tank mixes on all trees listed on this label may not have been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target tree should be tested. It is not advisable to apply pesticides via trunk injection or infusion applications that do not completely dissolve or disperse in solution.

|  |   |  |
|--|---|--|
|  | <p><b>Chewing and Mining insects:</b><br/>         Leafminers<br/>         Gall Midges<br/>         Sawflies (larvae)<br/>         Birch Leafminer</p> <p><b>Piercing-Sucking Insects and Mites:</b><br/>         Adelgids (including Hemlock Woolly Adelgid)<br/>         Aphids<br/>         Leafhoppers<br/>         Mealybug<br/>         Scale Insects<br/>         White flies<br/>         Lacebugs<br/>         Plant Bugs (Lygus)<br/>         Royal Palm Bugs<br/>         Boxelder Bug (<i>Leptocoris trivittatus</i>)<br/>         Thrips<br/>         Spider Mites</p> |  |
|--|---|--|

| <b>Use in Trees, Ornamentals, Forests, Seed Orchards and Tree Plantations against certain Coleopteran Pests including Cambial and Wood-boring Insects</b>   |  |            |             |
|---|--|------------|-------------|
| <b>CROP</b>   | <b>PEST</b>  | <b>DBH</b> | <b>RATE</b> |
| Trees,<br>Shrubs,<br>Evergreens,<br>Conifers,<br>Christmas Tree Plantations,<br>& Palms.<br><br>In Forest Areas, including<br>non-urban forests, tree<br>plantations, and seed<br>orchards, parks, rural shelter<br>belts, rangeland trees, and<br>woodland trees including<br>conifers | <b>Coleoptera:</b>   |            |             |
|   | Buprestid Borers (including  | 6-12"      | 75-100mL    |
|   | Bronze Birch Borer, and  | 12-23"     | 100-200mL   |
|   | Emerald Ash Borer)   | 24-35"     | 200-400mL   |
|   | Flatheaded Borers  | 36-47"     | 400-600mL   |
|   | Elm Leaf Beetle (larvae)   | 48-59"     | 600-800mL   |
|   | Japanese Beetle  | 60-71"     | 800-1000mL  |
|   | Leaf Beetles (larvae)  |            |             |
|   | (including elm and willow<br>leaf beetles)                             |            |             |
|   | Longhorned Borers (including<br>Eucalyptus borer and Red<br>Oak Borer) |            |             |
| Root Weevil Adults<br>(including Black Vine<br>Weevil)  |  |            |             |
| White Pine Weevil   |  |            |             |



March 14, 2006

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington VA 22202-4501

10/2/06  
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Attn: Marilyn Mautz, Insecticide-Rodenticide Branch

**RE: Notification to correct typographical error to make tree DBH number uniform**  
**Product name: ACE-JET**  
**EPA Reg. No.: 74578-2**  
**Company: Arborjet, Inc.**

Dear Ms. Mautz:

On behalf of Arborjet, Inc., I am submitting a notification to the labeling for the product ACE-JET, EPA Reg. No., 74578-2. There was a typographical error on the label with regard to tree DBH number. This notification is to change "6-12" to 6-11" so the number is uniform throughout the label. No other changes have been made.

The following documents are enclosed in support of this notification application:

- Application for Registration of Pesticide form 8570-1
- 1 copy of the label (with changes clearly marked so they can be photocopied)
- Postcard for notifying us of acceptance

Please let me know if you have any questions regarding this submission or if I need to supply additional information. Thank you for your assistance.

Sincerely,

Donna Leventhal, Agent  
Arborjet, Inc.

Enclosures  
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