

64864-53

09/09/2005

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

64864-53

Date of Issuance:

SEP 9 2005

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Xedamine A

Name and Address of Registrant (include ZIP Code):

*Pace International LLC  
1011 Western Avenue, Suite 807  
Seattle, Washington 98104*

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 section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 64864-53".
  - b. Duplicate the "Re-Entry" section that is present on page 3 in the "DIRECTIONS FOR USE" section at the end of the current "Hazards to Humans and Domestic Animals" section.

Signature of Approving Official:

*John B. Baymin, Jr.*

Tony Kish, Acting Product Manager (22)  
Fungicide Branch, Registration Division (7505C)

Date:

SEP 9 2005

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- c. In the first paragraph of the "Hazards to Humans and Domestic Animals" section add "(such as goggles, safety glasses, or a face shield)" after "eye protection".
- d.. In the "Handlers...must wear" part of the "Hazards to Humans and Domestic Animals" section add a fourth bulleted item that reads "• protective eyewear (such as goggles, safety glasses, or a face shield)".

3. Submit, by no later than one year following the date on this letter, a study or studies that fulfill the requirements for Storage Stability (Guideline Requirement Number 830-6317) and Corrosion Characteristics (Guideline Requirement Number 830-6320) of the subject product.

4. Submit one copy of the revised final printed label for the Agency's records 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 section 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.

Tony Kish  
Acting Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Enclosures

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**Xedamine A**  
**Antiscald Agent for Post-Harvest Treatment of Apples by Thermal Fogging**

Xedamine A 10% is recommended for reducing scald damage to apples while in storage.

Xedamine A 10% is a special liquid form of diphenylamine intended for use with a Xeda Brand Thermal Electrofogger to form a fine fog.

**ACTIVE INGREDIENT:**

Diphenylamine ..... 10%

**OTHER INGREDIENTS:** ..... 90%

Total ..... 100%

EPA Reg. No. pending

EPA Est. No. 64864-WA-1

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION - CUIDADO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

Caution. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear eye protection when mixing and loading. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA Chemical Resistance Selection Sheet.

Handlers (including mixers, loaders, persons cleaning or monitoring the fogging equipment, and persons handling treated apples or apple containers still wet with DPA) must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber
- shoes and socks

Fogging applicators must wear:

- full-face respirator with organic vapor filter
- long-sleeved shirt and long pants

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

SEP 9 2005

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

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- chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber
- shoes and socks

#### User Safety Requirements

Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/handling PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposing of equipment washwater or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

#### PHYSICAL OR CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

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

#### Application Restrictions

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. Consult Agricultural Experiment Station or Extension Service pomology specialists for current recommended DPA use-solution concentrations for local apple varieties.

#### Recommendations

- Treat only dry fruit as received from the field.
- Apply to fruit within 15 days after harvesting, prior to placing in storage.
- In case of prolonged storage (more than 4 months) or particularly high danger of scald due to climatological conditions, a second treatment is advisable between the second and third months of storage. This second treatment must be applied at a rate of between 50% and 100% of the initial dosage, depending on the importance of the danger and the length of further storage. A second treatment of 100% of the first dose is recommended for any additional storage of 3 months or longer.
- Before treatment, fruit in bins must be protected on top with plastic liners, cardboard sheets or Kraft sheets. Fruit directly in front of the fogging equipment should also be protected with liners or sheets from top to bottom.
- In case of treatment of a room that is not completely filled, calculate the dosage of Xedamine A by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

## Application Rate

Apple Variety	Application Rate per US Ton
Granny Smith	4.4 oz (125 g)
Red Delicious	3.9 oz (110 g)
Braeburn, Fuji, Idared	2.8 oz (80 g)
Cortland, Empire, Jonagold, McIntosh, Rome Beauty, Royal Gala, Staymin, Winesap	2.3 oz (65 g)
Golden Delicious	1.2-1.6 oz (35-45 g)

## Electrofogger Operation

- Place the Electrofog machine horizontally outside the treatment room at a height of about 3 feet from the floor. Cover the door or window to the treatment room with a plastic sheet and insert the fogging pipe through a hole in the plastic. Place a bucket under the nozzle to catch any drops. Seal the opening around the nozzle with duct tape.
- Set the Electrofog machine resistance temperature between between 500° to 600° C.
- Insert input pipe into product container and start pump. Stop pump when product reaches the pump body.
- Start fan and resistance, and start pump again when fog exit temperature reaches 180°C. Adjust pump as necessary during operation to maintain 180°C.

## Application Procedures

- Avoid breathing the fog.
- Turn off room cooling systems and humidifiers 12 hours prior to and during treatment.
- Turn off room circulation fans immediately prior to and during treatment.
- Allow the fog to stay overnight or until the fog has totally disappeared (about 5 hours post-treatment) before restarting fans and cooling systems.
- DO NOT rinse apples after treatment.
- DO NOT apply to fruit treated with Diphenylamine prior to harvest.
- DO NOT use treated apples for pomace or livestock feed as illegal residues may occur in meat or milk.
- DO NOT wrap apples in Diphenylamine-treated paper.
- Fruit must have shipping carton marked: "Treated with Diphenylamine to retard spoilage."

## Re-Entry

Entry into the treatment area by any person other than properly trained and equipped handlers is prohibited from the start of application until the treated area is ventilated as follows:

- 8 hours with no ventilation followed by 1 hour of mechanical ventilation
- 24 hours with no ventilation

In case it is necessary to enter the treatment area during treatment or before ventilation requirements have been met, handlers must wear chemical resistant headgear and a self-contained breathing apparatus (SCBA, MSHA/NIOSH approval number prefix TC-13F) in addition to PPE listed under PRECAUTIONARY STATEMENTS.

## Check for Post-Treatment Signs of Scald.

In years of severe scald development, Xedamine A may not give desired control or other factors may reduce its effectiveness. After several months of storage, collect samples of fruit periodically (every 2 or 3 weeks) and hold them at room temperature to assess Scald development. Fruit lots showing scald can often be marketed immediately.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Avoid storing below 40° F. In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on

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site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**NOTICE TO BUYER . .**

**IMPORTANT:** Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

**LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY**

Upon purchase of this product, purchaser and user agree to the following terms:

**Warranty:** Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. The Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose; no such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

**Terms of Sale:** The Company's directions for use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. All such risks are assumed by the user. Sale of this product is governed by the internal laws of the State of Washington; any action with respect to this product shall be brought exclusively in the State or federal courts located at Seattle, Washington, USA.

**Limitations of Liability:** The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury, or other claim. Under no circumstances shall the Company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived.

The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

**MADE IN USA**

**NET CONTENTS:** \_\_\_\_\_

Manufactured By:  
Pace International LLC  
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Suite 807  
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