

64864-60

9/24/2013

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

OFFICE OF CHEMICAL, SAFETY  
AND POLLUTION PREVENTION

Andrew Kieniksman  
Pace International LLC  
5661 Branch Rd  
Wapato, WA 98951

SEP 24 2013

Subject: Labeling Amendment to ECOFOG-180  
EPA Registration No. 64864-60  
Decision No. 480798  
Submission Date: 6/13/13 and resubmission 8/27/13

Dear Mr Kieniksman:

The labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to update the emergency contact and warranty statement, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at [schuler.dominic@epa.gov](mailto:schuler.dominic@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Shaja Joyner".

Shaja Joyner  
Product Manager 20  
Fungicide Branch  
Registration Division (7504P)

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**ecoFOG-180**

**Post Harvest Ethoxyquin  
Antiscald Agent for Post-Harvest Treatment of Pears by Thermal Fogging**

INTENDED FOR AGRICULTURAL USE ONLY

ecoFOG-180 is recommended for reducing scald damage to pears while in storage.

ecoFOG-180 is a liquid form of ethoxyquin intended for use with a Xeda Brand Thermal Electrofogger to form a fine fog.

**ACTIVE INGREDIENT:**

Ethoxyquin (6-Ethoxy-1,2-dihydro-2,2,4-trimethyl quinoline) ..... 18%

**OTHER INGREDIENTS:** ..... 82%

Total..... 100%

EPA Reg. No. 64864-60

EPA Est. No. 64864-WA-1

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION - CUIDADO**

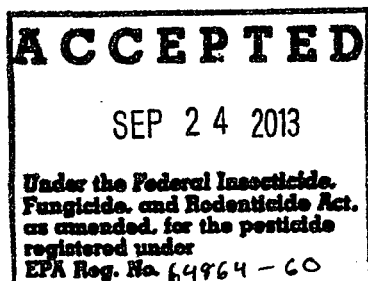
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID	
<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 with plenty of 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.</li> <li>• 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 further treatment advice.</li> </ul>
<b>If swallowed</b>	<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 to an unconscious person.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 7:30 am to 3:30 pm Pacific Time. During other times, call the poison control center at 1-800-222-1222.</p>	

Net Contents: 5.3 Gallons (20 Liters)

Lot # \_\_\_\_\_

Manufactured By:  
Pace International LLC  
5661 Branch Road  
Wapato, WA 98951  
800.936.6750



## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### 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 category selection chart.

Handlers (including mixers, loaders, persons cleaning or monitoring the fogging equipment, and persons handling treated pears or pear containers still wet with ethoxyquin) 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
- protective eyewear (such as goggles, safety glasses, or a face shield)

Fogging applicators must wear:

- full-face respirator with organic vapor filter
- 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

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.

### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

### 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 for handlers under PRECAUTIONARY STATEMENTS.

### Environmental Hazards

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 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

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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.

Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application.

**Application Information**

- Use entire contents of the container within 6 months after opening. Once opened, oxidation can gradually darken the product, which can then stain fruit upon application.
- Avoid exposing product to sunlight to prevent darkening, which may cause staining of fruit.
- Avoid exposing treated fruit to sunlight, as exposure may cause fruit to stain.
- 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 rooms that are less than 75% filled, calculate the dosage of ecoFOG-180 by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.
- Consult your local extension horticulturist or a qualified pomologist for additional information.

**Application Rate**

Apply 60 grams of ecoFOG-180 per metric ton of fruit (1.9 ounces per ton).

**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 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 Restrictions**

- Do not breathe 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.
- For best control of scald, apply to Anjou pears no later than one week after harvest. For advice on other pear varieties, consult your Pace Technical Representative.

**Re-Entry**

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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-

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contained breathing apparatus (SCBA, MSHA/NIOSH approval number prefix TC-13F) in addition to PPE listed for handlers under PRECAUTIONARY STATEMENTS.

**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 site or at an approved waste disposal facility.

**CONTAINER HANDLING:** 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:** To the extent consistent with applicable law, 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. To the extent consistent with applicable law, all such risks are assumed by the user.

**Limitations of Liability:** To the extent consistent with applicable law, 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