

2024-0908  
2024-08-27

ecoFOG-160

**Post Harvest Pyrimethanil  
Fungicide for Post-Harvest Pome Fruit Treatment by Thermal Fogging  
COMMERCIAL  
SOLUTION**

ecoFOG-160 is a special liquid form of pyrimethanil intended for use with a thermal electrofogger to form a fine fog.

**ACTIVE INGREDIENT:**

Pyrimethanil: ..... 16%

REGISTRATION NO. 30871 PEST CONTROL PRODUCTS ACT  
READ THE LABEL BEFORE USING.

**KEEP OUT OF REACH OF CHILDREN  
WARNING  
EYE IRRITANT. POTENTIAL SKIN SENSITIZER.**

**NET CONTENTS:**

Manufactured By:  
Pace International, LLC  
5661 Branch Road  
Wapato, WA 98951  
800.936.6750  
www.paceint.com

<b>FIRST AID</b>	
Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.	
If in eyes	<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>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
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 inhaled	<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 by mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>

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**PRECAUTIONS**

**Hazards to Humans and Domestic Animals**

WARNING. Causes eye irritation. DO NOT get in eyes. Potential skin sensitizer. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment (PPE)**

Handlers (including mixers, loaders, persons cleaning or setting up the fogging equipment, and persons handling treated fruit still wet with product) and fogging applicators 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), except for fogging applicators.

Fogging applicators must wear a full face respirator with a NIOSH/MSHA/BHSE-approved organic vapor removing cartridge (or a self-contained breathing apparatus [SCBA], MSHA/NIOSH approval no. TC-13F) at all times, as fog may be blown back to the applicator in instances such as equipment malfunction and insufficient room seal.

User Safety Requirements

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

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE 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.

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

**ENVIRONMENTAL HAZARDS**

Toxic to aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

**PHYSICAL OR CHEMICAL HAZARD**

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, either directly or through drift. Only protected handlers may be in the area during application.

General Information

ecoFOG-160 fungicide controls gray mold (*Botrytis cinerea*) and suppresses blue mold (*Penicillium expansum*) on pome fruits. Use of ecoFOG-160 should be integrated into an overall disease management program within each packinghouse.

**Use Directions Table**

Crops	Diseases	Application Rate (mL product per 1000 kg (2200 lbs.) fruit)	Use Directions
POME FRUITS Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental Pear, Quince	Gray mold ( <i>Botrytis cinerea</i> )  Blue mold ( <i>Penicillium expansum</i> ) - suppression	30-60 mL	Apply by use of thermal electrofogger.  Use the higher rate when conditions favour high disease pressure.
<p><b>Application Restrictions:</b> Only one application of ecoFOG-160 may be applied postharvest on apple or pear fruit by electrofog machine.</p> <p>For resistance management, do not apply to fruit that has been previously treated with pyrimethanil (or other Group 9 fungicides) to control Botrytis gray mold.</p>			

**Preparation for Fogging**

- Treat only dry fruit as received from the field.
- Apply to fruit as close to harvest as possible and no more than 15 days after harvesting, prior to placing in storage.
- Before treatment, protect fruit in bins at the top of each stack with plastic liners, cardboard or Kraft paper sheets. Also protect fruit directly in front of the fogging equipment with liners or sheets from top to bottom.
- When treating rooms that are less than 75% full, calculate the dosage of ecoFOG-160 by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

**Electrofogger Operation**

- Place the electrofog machine horizontally outside the treatment room at a height of about 1 metre (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 so no fog can escape during treatment.
- 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 Procedures**

- Do not breathe 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 fruit after treatment.
- A filtration system must be installed in the room prior to the fogging treatment. The filtration system must comprise of an exhaust manifold placed on the floor of the room, a venting pipe leading out of the room, an in-line duct fan, and a filter combination of six 2200 particle rated 3M filters and 5 cm (2 inches) of activated carbon. The venting pipe must discharge outside

of the facility and at a height and distance away from workers and bystanders. The filtration system must be in use during the fogging treatment and after treatment during the ventilation period. New filters must be used with each venting period.

#### Posting

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

#### 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 PRECAUTIONS.

### RESISTANCE MANAGEMENT

For resistance management, please note that ecoFOG-160 contains a Group 9 fungicide. Any fungal population may contain individuals naturally resistant to ecoFOG-160 and other Group 9 fungicides. A gradual or total loss of disease control may occur over time if these fungicides are used repeatedly. Other resistance mechanisms that are not linked to site of action, but specific to individual chemicals, such as enhanced metabolism, also exist. Appropriate resistance management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of ecoFOG-160 or other Group 9 fungicides with different groups that control the same pathogens. Use tank mixtures with fungicides from a different group when such use is permitted.
- Do not apply more than once to harvested fruit as indicated on this label.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological, and other chemical control practices.
- Monitor treated fungal populations for resistance development. Notify Pace International, LLC if reduced sensitivity of the pathogen to ecoFOG-160 is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Pace International LLC at 1-800-936-6750 or at <http://www.paceint.com>.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Avoid storing below 4.5°C or above 37.8°C. Do not use or store near heat or open flames. In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area.

**RECYCLABLE CONTAINER DISPOSAL:** Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site.

Before taking the container to the collection site:

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1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
  2. Make the empty, rinsed container unsuitable for further use.  
If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.
- DISPOSAL OF UNUSED, UNWANTED PRODUCT: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

**NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

MADE IN USA