



ecoFOG™ -160

P O S T - H A R V E S T

Fungicide for Post-Harvest Pome Fruit Treatment by Thermal Fogging

For Agricultural Use Only

ecoFOG-160 is a special liquid form of pyrimethanil intended for use with a Xeda Brand Thermal Electrofogger to form a fine fog.

ACTIVE INGREDIENT:

Pyrimethanil: 4,6-dimethyl-N-phenyl-2-pyrimidinamine 16.0%

OTHER INGREDIENTS 84.0%

Total 100.0%

Contains 1.35 pounds of pyrimethanil per gallon

EPA Reg. No. 64864-61

EPA Est. No. 64864-WA-1

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in eyes	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for further treatment advice.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. 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)

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 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)

While respiratory protection is not normally required when using this product, fogging applicators must keep a respirator with an organic-vapor removing cartridge readily available in case of rare instances where fog may be blown back to the applicator, such as an equipment malfunction or insufficient room seal.

User Safety Requirements

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. 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.

ENVIRONMENTAL HAZARDS

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 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 product handlers may be in the area during application.

18 Liters (608 ounces)

Environmentally hazardous substance, liquid, n.o.s. (pyrimethanil), 9, UN 3082, PG III



Manufactured By:

Pace International LLC

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ecoFOG™ -160

ecoFOG-160 fungicide controls blue and gray mold on pome fruit. Use of ecoFOG-160 should be integrated into an overall disease management program within each packinghouse.

Fungicide Resistance Management: Group 9 Fungicide

ecoFOG-160 is an anilinopyrimidine fungicide that does not exhibit cross-resistance to sterol-inhibiting or benzimidazole fungicides. ecoFOG-160 interferes with the secretion of enzymes necessary for infection by several post-harvest pathogens, therefore, preventative applications soon after harvest or injury is necessary for optimal product performance. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of post-harvest resistance management strategies should be practiced. These may include rotating and/or tank mixing with products having different modes of action. Responsible resistance management practices are necessary to ensure the long-term effectiveness for decay control.

Application Restrictions

Only one application of ecoFOG-160 may be applied postharvest on pome fruits by electrofog machine. Do not apply to fruit that has been previously treated with pyrimethanil via drench or dip/wash application. Apply only by electrofog machine.

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.

Application Rate

Apply 60 grams of ecoFOG-160 per metric tonne (2200 lb) of fruit (or 1.9 oz. per US 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 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.

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 for handlers under PRECAUTIONARY STATEMENTS.

STORAGE & DISPOSAL

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

PESTICIDE STORAGE: Avoid storing below 40°F or above 100°F. 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.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on 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. To the extent consistent with applicable law, except as expressly stated in the foregoing sentence, the Company makes no further warranties, and expressly disclaims, any implied warranties of merchantability or fitness for a particular purpose and any representation or warranty thereof.

Terms of Sale: The Company's directions for use of this product must 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.

To the extent consistent with applicable law, 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.

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