



# eFOG<sup>®</sup>-160 PYR

## POST HARVEST PYRIMETHANIL

### Fungicide for Postharvest Pome Fruit Treatment by Thermal Fogging

eFOG<sup>®</sup>-160 PYR is a liquid form of pyrimethanil intended for use with a thermal Electrofogger to form a fine fog.

#### ACTIVE INGREDIENT:

Pyrimethanil: 4,6-dimethyl-N-phenyl-2-pyrimidinamine . . . . . 16%

OTHER INGREDIENTS . . . . . 84%

**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

## CAUTION

#### 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"> <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><b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li><b>DO NOT</b> 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 mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

#### HOT LINE NUMBER

Medical Emergency Phone Number 888-271-4649 (PROPHARMA)

Transportation Emergency Phone Number 800-424-9300 (CHEMTREC)

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**CAUTION.** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Harmful if swallowed. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### 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 barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils or Viton ≥ 14 mils.
- Shoes and socks
- Protective eyewear (goggles, safety glasses, or a face shield)

While respiratory protection is not normally required when using this product, fogging applicators must keep a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R, or P filter 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 exists, 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.
- 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.

#### 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** contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

This product is toxic to fish and aquatic invertebrates. **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

Flammable. Keep away from heat or open flame.

**UN1993, Flammable Liquid, n.o.s. (Acetic Acid Ethyl Ester), 3, PG II**

#### 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. For any requirements specific to your State or local Tribe, consult the State or Tribal agency responsible for pesticide regulation.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE RESTRICTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL.**

#### Product Information

eFOG<sup>®</sup>-160 PYR fungicide controls blue and gray mold on Pome Fruit Group 11-10: Apple, Azarole, Crabapple, Loquat, Mayhaw, Medlar, Pear, Pear (Asian), Quince, Quince (Chinese and Japanese), Tejocote, and all cultivars, varieties and/or hybrids of these.

Use of eFOG<sup>®</sup>-160 must be integrated into an overall disease management program within each packinghouse.

#### Fungicide Resistance Management

For resistance management, eFOG-160 PYR contains a Group 9 fungicide. Any fungal population may contain individuals naturally insensitive to pyrimethanil and other Group 9 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies must be followed. To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of eFOG-160 PYR or other Group 9 fungicides with different groups that control the same pathogen
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such uses are permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM specifications for specific crops and pathogens.
- For further information or to report suspected resistance contact Pace International LLC at 1-800936-6750. You can also contact your pesticide distributor or university extension specialist to report resistance.

#### Pome Fruit Crop Postharvest Use

Directions Preparation for Fogging

- Treat only dry fruit as received from the field.
- Apply to pome fruit as soon as possible and no more than 15 days after harvesting
- Before treatment, fruit in bins at the top of each stack can be protected 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 eFOG-160 PYR by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

#### Application Rate Pome Fruit

Apply 60 grams (9.6 grams AI) of eFOG-160 PYR per metric ton (2200 lb.) of pome fruit (or 1.9 oz. (0.34 oz. AI) 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 drips. 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 Directions

- Apply only by electrofog machine.
- Turn off room cooling systems and humidifiers 2 hours prior to and during treatment.
- Turn off room circulation fans immediately prior to and during treatment.
- Allow the fog to settle for at least 2 hours before restarting fans and cooling systems.

#### Use Restrictions

- DO NOT** apply to pome fruit that has been previously treated with pyrimethanil via drench

or dip/wash application.

- Make only one application of eFOG-160 PYR postharvest on pome fruit by Electrofog machine.
- DO NOT** rinse fruit after treatment.
- Re-entry into the treated area by any person other than properly trained and equipped handlers is prohibited until the treated area is ventilated as follows:
  - 8 hours with no ventilation followed by 1 hour ventilation
  - 24 hours with no ventilation

#### Posting

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

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 NIOSH-approved self-contained breathing apparatus (SCBA) with NIOSH approval number prefix TC-13F in addition to PPE listed 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:** Non-refillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available 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.

**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.

To the extent consistent with applicable law, 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. 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.

MADE IN USA

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Manufactured By:

**Pace International** LLC

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