



eFOG®-80 FDL

POSTHARVEST

Fungicide for Postharvest Pome Fruit Treatment by Thermal Fogging

eFOG®80 FDL is a liquid form of fludioxonil for use with a thermal electrofogger to form a fine fog.

ACTIVE INGREDIENT:

Fludioxonil 8.0%

OTHER INGREDIENTS 92.0%

Total 100.0%

EPA Reg. No. 64864-67

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

Warning. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Wear protective eyewear (glasses, goggles or face shield). Harmful if swallowed. 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. 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 (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 an 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)

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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

Flammable: Keep away from 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.

Product Information

eFOG®-80 FDL is a postharvest fungicide for use on pome fruit to reduce damage from blue mold, gray mold, bull's-eye rot, rhizopus rot, bitter rot, Sphaeropsis rot, Phacidiopycnis rot, speck rot, white rot, Alternaria rot (side rot) and surface mold (A. alternata). Use of eFOG®-80 FDL should be integrated into an overall disease management program within each packinghouse.

Resistance Management Recommendations

For resistance management, eFOG®-80 FDL contains a Group 12 fungicide. Any fungal population may contain individuals naturally resistant to eFOG-80 FDL and other Group 12 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 should be followed. To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of eFOG-80 FDL or other Group 12 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 you local extension specialists or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Pace International LLC at 1-800-936-6750. You can also contact your pesticide distributor or university extension specialist to report resistance.

Pome fruit Crop Use Directions

Application Restrictions

Only one application of eFOG®-80 may be applied postharvest on pome fruits by electrofog machine. Do not apply to fruit that has been previously treated with fludioxonil via drench or dip/wash application. Apply only with electrofog machine.



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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.
- 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®-80 FDL by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

Application Rate

Apply 60 milliliters of eFOG®-80 FDL per metric ton (2200 lb.) of fruit (or approximately 2 fluid ounces per US ton).

If using eFOG-80 FDL in a tank mixture, observe all directions for use, crop/sites, use rates, precautions and limitations which appear on the tank mix product label. Do not exceed any label dosage and follow the most restrictive label precautions. Do not mix eFOG-80 FDL with any other product whose label prohibits such mixing.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

THE CROP SAFETY OF ALL POTENTIAL TANK MIXES INCLUDING ADDITIVES AND OTHER PESTICIDES ON ALL CROPS HAS NOT BEEN TESTED. BEFORE APPLYING ANY TANK MIXTURE THE SAFETY TO THE TARGET CROP SHOULD BE CONFIRMED.

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 350°C to 450°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 175°C to 180°C. Adjust pump as necessary during operation to maintain temperature.

Application Procedures

- Only one application of eFOG-80 FDL may be applied postharvest on pome fruit by electrofog machine.
- Do not apply to fruit that has been previously treated with fludioxonil via drench or dip/wash application after harvest.
- Apply only with electrofog machine.
- Do not breathe fog.
- 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.
- 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 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: Store in a cool, dry location not below 40°F or above 79°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 HANDLING: 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.

MADE IN USA

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**UN1993, Flammable liquid, n.o.s.
(acetic acid ethyl ester, acetic acid
pentyl ester), 3, PG III
Fungicide for Postharvest Pome Fruit
Treatment b**

Manufactured by:

 **Pace International** LLC

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