

PM 04

279-1254

9/30/98

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

554 2542

SEP 30 1998

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. LuAnn Maloney  
Registration Manager  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103

Dear Ms. Maloney:

Subject: Risk Reduction Proposals  
Ethion 4 Miscible  
EPA Registration No. 279-1254  
Agency Letter of March 20, 1998  
Labeling Submitted May 8, 1998

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable, provided that you:

Submit one copy of your final printed labeling incorporating the following corrections before you release the product for shipment.

1. Delete the label statement regarding the use of human flaggers since aerial application has been deleted from the label.

2. In the Personal Protective Equipment (PPE) section of the Worker Protection Standard labeling, make the corrections described below. Refer to 40 CFR 156.212 sections (e) and (i)(1) through (3) for guidance regarding the need for such PPE.

a. Delete "when mixing and loading" from the statement, "Protective eyewear when mixing and loading".

b. Add the use of chemical resistant headgear for overhead exposure.

c. Add the cleaning of equipment to the use of a chemical-resistant apron.

3. In the PPE section for early entry into treated areas, add the use of protective eyewear and chemical resistant headgear. As specified in 40 CFR 156.212(j), the early entry PPE includes the statements specified for applicators and other handlers, except for respiratory protection statements.

4. Correct the statement of practical treatment for the ingestion route of exposure to reflect the aspiration hazard due to the presence of petroleum distillates in the product. Include instructions not to induce vomiting unless advised to do so by medical personnel.

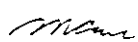
5. Specify the maximum number of applications per crop as two per year as specified in the Agency letter of March 20, 1998.

6. In the paragraph headed, "General" under the directions for use, add "Restrictions on air blast applications" to the heading and correct this paragraph to agree with the Agency letter of March 20, 1998 by replacing the word, "one" with "grove" in the first sentence of the paragraph.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

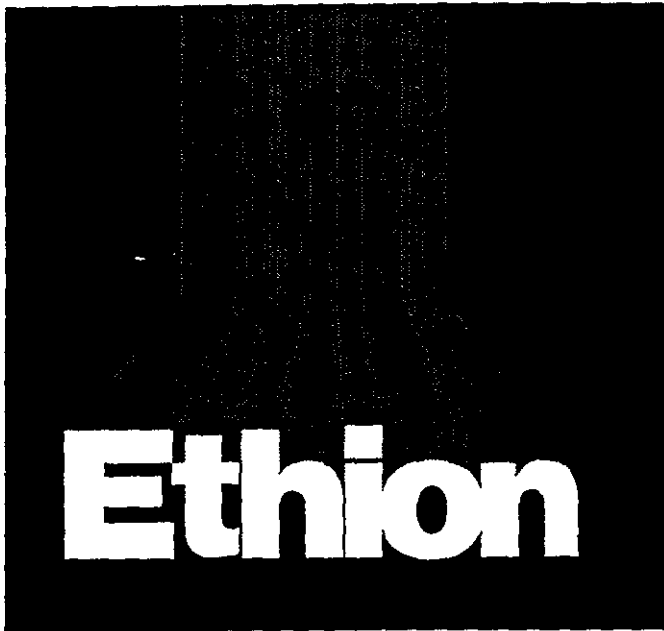
Sincerely,



Marilyn A. Matz  
Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7504C)

Code.1321

3/4  
Net Contents



# Ethion

## 4 Miscible Insecticide-Miticide

For Agricultural or Commercial Use Only

EPA Reg. No. 279-1254

EPA Est. 279-FL-1

<b>Active Ingredients:</b>	<b>By Wt.</b>
Ethion: (O,O,O',O'-Tetraethyl S,S'-methylene bisphosphorodithioate) .....	46.5%
<b>Inert Ingredients:</b> .....	<u>53.5%</u>
	100.0%

Contains Petroleum Distillates  
Contains 4 pounds of the organophosphate Ethion per gallon.

**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 the label, find someone to explain it to you in detail.)

# FMC

FMC Corporation  
Agricultural Chemical Group  
Philadelphia PA 19103

5/98 Draft

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 30 1998

Under the Federal Insecticide,  
Fungicide, and Herbicide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
279-1254

### STATEMENT OF PRACTICAL TREATMENT

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**If on skin:** Get medical attention.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If in eyes:** Flush with plenty of water. Get medical attention if irritation persists.

#### Antidote

**Note To Physician:** Active ingredient is an organophosphate and a cholinesterase inhibitor. Patient should be kept under observation for 48 hours. Atropine is antidotal. Give 4 mg. Atropine sulfate intramuscularly or intravenously as soon as cyanosis is overcome. Repeat every 15 minutes until patient is fully atropinized. Pralidoxime (2-PAM) is also antidotal and should be administered in conjunction with Atropine. Never give morphine.

For Emergency Assistance Call (800) 331-3148

See Side Panel For Additional Precautionary Information.

### PRECAUTIONARY STATEMENTS

#### Hazards To Humans (and Domestic Animals)

##### Warning

May be fatal if swallowed, inhaled or absorbed through skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing.

##### Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton; Chemical-resistant footwear plus socks; Protective eyewear when mixing or loading; Chemical-resistant apron when mixing or loading; For exposure in enclosed areas: A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-33C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G); For exposures outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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

**Human Flaggers Must Be in Enclosed Cabs**

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates. Fish and aquatic invertebrates may be killed in areas where this pesticide is used. Do not contaminate water when disposing of equipment washwaters.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

Do not allow this material to drift onto neighboring crops or noncrop areas or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

**Physical/Chemical Hazards**

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 through any type of irrigation system.

If you feel sick in any way STOP work and get help right away. See Practical Treatment Section of this label.

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 Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as Barrier Lamine or Nitrile Rubber or Neoprene Rubber or Viton; and Chemical-resistant footwear plus socks.

**STORAGE AND DISPOSAL**

**Pesticide Storage**

Do not use or store near heat, open flame or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC (800-331-3148).

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay if dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**Pesticide Disposal**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**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.

Returnable/Refillable Sealed Containers: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

Do not use in undiluted form.

Do not use if material does not emulsify.

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage, unless otherwise noted for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. Observe days interval between last application and harvest indicated by number in ( ) following the crop.

For use in Florida and Texas only. Grapefruit (0), Lemons (15), Limes (15), Oranges (0), Tangelos (15), Tangerines (15); To control Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Texas Citrus Mite, Snow Scale, Citrus Whitefly, Citrus Blackfly—Use 5 pints of Ethion 4 Miscible (2.5 pounds active ingredient) per acre. To control Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Texas Citrus Mite, Black Scale, Brown Soft Scale, California Red Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Citrus Whitefly, Citrus Blackfly—Use 5 pints of Ethion 4 Miscible (2.5 pounds active ingredient) per acre plus 0.5% to 0.7% summer oil. Where Snow Scale is a problem, spray trunk, limbs and twigs thoroughly. Apply in sufficient water for good coverage but not less than 250 gallons of water per acre by ground equipment. Do not apply aerially. Applications should not be made less than 90 days apart. Do not apply more than 5 pounds of active ingredient per acre per year. Do not use Ethion 4 Miscible plus oil on Navel oranges. Refer to oil label for use directions and precautions.

General: Spray last three rows windward of surface water using nozzles on one side only, with spray directed away from surface water. Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove when spraying the outside row. Shut off nozzles when turning at ends of rows and passing gaps in rows.

**Dealers Should Sell in Original Packages Only.**

Terms of Sale or Use: On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions. . . .

Directions and Recommendations: Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk. . . .

Use of Product: FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practices.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.