

100-801

03/13/96

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (47505C)
401 M St., S.W.
Washington, D.C. 20460

EPA Reg. Number: 100-801
Date of Issuance: MAR 13 1996

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

Term of Issuance:
Time-Limited

Name of Pesticide Product:
Mefenoxam PC Liquid
Twin Pak™

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ciba-Geigy Corp.
P.O. Box 18300
Greensboro, NC 27419-8300

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with section 3(c)(5) of FIFRA subject to the following terms:

1. This registration shall expire on March 5, 1997 without opportunity for hearing.
2. EPA may, by order and without opportunity for hearing, cancel this registration prior to March 5, 1997 if the Agency determines, based upon comments submitted pursuant to section 3(c)(4) of FIFRA, or upon any other information that this product no longer meets the requirements of section 3(c)(5).
3. You must submit to the Agency a written request to voluntarily cancel Metalaxyl Technical and its end use products within 10 business days from the date of this registration.
4. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

(cont'd on page 2)

Signature of Approving Official:

Date:

MAR 13 1996

5. Any outstanding data requirements cited in the Metalaxyl Reregistration Eligibility Document (RED) also apply to Mefenoxam. These studies may be conducted on either Metalaxyl or Mefenoxam.

6. Revise the EPA Registration Number to read, "EPA Reg. No. 100-801".

7. Submit five copies of your final printed label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

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Mefenoxam PC Liquid Marketing Label Booklet

Twin Pak™

Mefenoxam PC Liquid

FUNGICIDE

For control of damping-off, seed and seedling rot diseases of cotton

Total 328 fl. oz.
U.S. Standard Measure

Ciba (logo)

Mefenoxam EC

Active Ingredient:

Mefenoxam: (R)-2-[(2,6-dimethylphenyl)-
methoxyacetyl amino]-propionic acid methyl ester 46.6%

Related Compounds 1.4%

Inert Ingredients: 52.0%

Total: 100.0%

6 fl. oz.
U.S. Standard Measure

EPA REG. NO. 100-

EPA Est. 5481-CA-1[^]
EPA Est. 67545-AZ-1^o
(Superscript is first letter of lot number on Jug)

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.)

ACCEPTED
with **COMMENTS**
In EPA Letter Dated
MAR 13 1996
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-801

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PCNB 2-E LIQUID Emulsifiable Concentrate

Active Ingredient:

Pentachloronitrobenzene (PCNB)..... 24.0%

Inert Ingredients* 76.0%

Total: 100.0%

*Contains Aromatic Petroleum Solvent

Contains 2 lbs. of PCNB per gallon.

320 fl. oz.

U.S. Standard Measure

EPA Reg. No. 5481-212

KEEP OUT OF REACH OF CHILDREN.

DANGER - PELIGRO

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.)

See additional precautionary statements and directions for use inside booklet.

Using label instructions, apply the entire contents of this container to the target crop once the container is opened.

CGA



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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 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.

Mefenoxam PC Liquid

revised

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allow workers to enter the treated area if there will be no contact with anything that has been treated.

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 long sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

General Information

Mefenoxam PC Liquid is a combination of fungicides for the control of certain damping-off, seed and seedling rot diseases in cotton caused by *Pythium* spp. and *Rhizoctonia solani*. For the best results, use high quality seed and plant into a properly prepared seedbed.

THIS PRODUCT IS NOT TO BE USED IN FOLIAR APPLICATIONS UNLESS SPECIFIED ON THIS LABEL OR IN SOLUTIONS USED TO DIP PLANTS. DO NOT USE IN NURSERIES, TURF, OR LANDSCAPE PLANTINGS, UNLESS SPECIFIED IN THIS LABEL.

Note: Mefenoxam is a systemic fungicide having a specific mode of action and could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Ciba-Geigy cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of mefenoxam as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of a mefenoxam insensitive strain of fungi, neither mefenoxam nor any other fungicide with similar action will effectively control that disease. Consideration should then be given to the prompt use of other types of suitable fungicides. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance on your particular crop and disease control situation.

THIS LABEL IS FOR FIELD USE ONLY AND IS NOT INTENDED FOR USE ON TRANSPLANT TRAYS, GREENHOUSES, LATH HOUSES, FLOAT HOUSES, HYDROPONIC PRODUCTION, OR IN BEDDING PLANT STRUCTURES.

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(replaced
old
stmt.)

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To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, as crop injury may occur.

Mixing Instructions

Prepare no more spray mixture than is required for the immediate operation. When the container is opened, immediately pour the entire contents of this container into the spray tank. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Mefenoxam PC Liquid Alone: Add 1/4-1/2 of the required amount of water to the spray tank, add all of the contents of both chambers of the Mefenoxam PC Liquid container, then add the rest of the water.

Mefenoxam PC Liquid + Tank Mixtures: Consult your dealer or Ciba Crop Protection sales representative for information concerning the compatibility with other tank mix partners. **Note: When using Mefenoxam PC Liquid in mixture, any product in water-soluble packaging should be added to the tank prior to adding Mefenoxam PC Liquid. Allow water-soluble packaging to completely dissolve and the mixture product to completely disperse before adding Mefenoxam PC Liquid to the tank.**

Add 1/4-1/2 of the required amount of water to the spray tank. In general, tank mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, and emulsifiable concentrations such as Mefenoxam PC Liquid. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water and the Mefenoxam PC Liquid to the spray tank. Add all of the contents of both chambers of the Mefenoxam PC Liquid container to the tank at once. Allow the Mefenoxam PC Liquid to become completely dispersed into the mix water. Provide sufficient agitation during mixing and application to maintain an uniform emulsion.

BEFORE TANK MIXING MEFENOXAM PC LIQUID WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR USE ON THE PARTICULAR CROP AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF MEFENOXAM PC LIQUID.

If using Mefenoxam PC Liquid in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix partner label. No label dosage rate should be exceeded and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the products are registered.

For banded applications, the area actually is the area covered by the band, not total cropland area planted. Some row-crop recommendations are based on treating in-the-row and these rates generally are specified as amounts (fl. oz.) of product per certain row length (often 1,000 ft.). Others express rates as amount per treated acre which means the total area treated with the pesticide. If rates are expressed as amount per treated acre and banded applications are used, the amount of pesticide used per acre will be proportionately less. The following formula can be used to calculate the amount of Mefenoxam PC Liquid needed per acre of crop when banded applications are made.

Calculate the amount of Mefenoxam PC Liquid needed for band treatment by the formula:

Planting Time from Last Mefenoxam PC Liquid Application

Rotation Crop

Alfalfa (including birdsfoot trefoil)	0 days
Almonds	0 days
Apples	0 days
Asparagus	0 days
Avocados	0 days
Blueberries	0 days
Broccoli	0 days
Cabbage	0 days
Cauliflower	0 days
<i>alpha</i> Cereal Grains Other than Corn	14 days
Chinese Broccoli (gai lan, white flowering broccoli)	0 days
Chinese Cabbage (tight-heading varieties only)	0 days
Citrus	0 days
<i>alpha</i> Corn	9 months
Cotton	0 days
Cranberries	0 days
Cucurbit Vegetables	0 days
Deciduous Fruits and Nuts* <i>Added*</i>	0 days
Eggplant	0 days
<i>added</i> <u>Grapes</u>	0 days
Hops	0 days
Leafy Vegetables (except Brassica)	0 days
<u>Legume Vegetables (beans and peas - succulent and dried)</u> <i>Added description</i>	0 days
Papayas	0 days
Peanuts	0 days
Peppers	0 days
Pineapples <i>deleted potatoes</i>	0 days
Raspberries	0 days
Soybeans	0 days
Spinach	0 days
Stone Fruits	0 days
Strawberries	0 days
Tobacco	0 days
Tomatoes	0 days
Walnuts	0 days
Crops Not intended for Food or Feed	0 days
All Other Crops Intended for Food or Feed	12 months

*These crops and other perennial crops may be planted immediately following last application of Mefenoxam PC Liquid, provided they will not bear harvestable fruit within 12 months.

Added

Storage and Disposal

Storage Instructions: Do not use, pour, spill, or store near heat or open flame. Store product in its original container in a cool, dry, locked place out of reach of children. Protect from temperatures below 32°F.

Revised
Revised

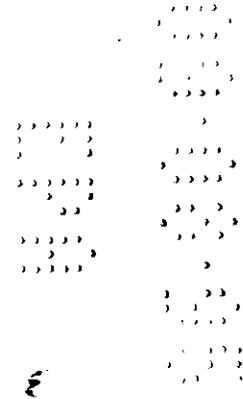
Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Disposal

Do not reuse empty container. Triple rinse container (or equivalent) and then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.



Precautionary Statements

Mefenoxam EC

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed or absorbed through skin. Avoid contact with skin.

Statement of Practical Treatment

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes.

If on skin: Wash with plenty of soap and water. Get medical attention.

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.

Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.

revised

PCNB 2-E LIQUID

Hazards to Humans and Domestic Animals

DANGER/PELIGRO

Corrosive, causes irreversible eye damage. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Use with adequate ventilation. Do not contaminate feed or foodstuffs.

If in eyes: Immediately flush eyes with plenty of water. Get medical attention immediately.

If on skin: Wash affected area with soap and water. Get medical attention if irritation persists.

If swallowed: Call a physician or Poison Control Center immediately. Do not induce vomiting unless under the supervision of a physician. Vomiting may cause aspiration pneumonia. This product contains an aromatic solvent.

added

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

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 the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Mefenoxam EC

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

PCNB 2-E LIQUID

This pesticide is toxic to fish and aquatic organisms. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. 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 when disposing of equipment wash waters. Do not apply directly adjacent to potable water supplies.

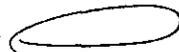
Physical or Chemical Hazards

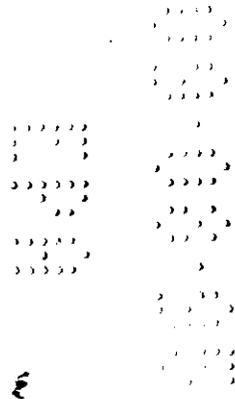
Do not use, pour, spill, or store near heat or open flame.

Registered TM & patent No.
Twin-Pak™ trademark of Ciba-Geigy Corporation

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Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC 27419

CGA 
Product ID. 



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Twin Pak™

Mefenoxam PC Liquid

FUNGICIDE

For control of damping-off, seed and seedling rot diseases of cotton

Mefenoxam EC Fungicide

Active Ingredient:

Mefenoxam: (R)-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester 46.6%

Related Compounds 1.4%

Inert Ingredients: 52.0%

Total: 100.0%

See directions for use in attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA REG. NO. 100-

Twin-Pak™ trademark of Ciba-Geigy Corporation

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6 fl. oz.

U.S. Standard Measure

PCNB 2-E LIQUID Emulsifiable Concentrate

Active Ingredient:

Pentachloronitrobenzene (PCNB)..... 24.0%

Inert Ingredients* 76.0%

Total: 100.0%

*Contains Aromatic Petroleum Solvent

Contains 2 lbs. of PCNB per gallon.

320 fl. oz.
U.S. Standard Measure

EPA Reg. No. 5481-212

Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC 27419

CGA 

Total 345 fl. oz.
U.S. Standard Measure

EPA Est. 5481-CA-1[^]
EPA Est. 67545-AZ-1[°]
(Superscript is first letter of lot number on jug)

[LABELM-W/MFNXPCLQ] - 8/28/95 - CCG