

PM14

264-546

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (117505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
264-546

Date of Issuance:
MAR 31 1994

Term of Issuance: Conditional

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Name of Pesticide Product:
Chipco Mocap Brand
10G GC

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Rhone-Poulenc Ag Company
P.O. Box 12014
2 T.W. Alexander Dr.
Research Triangle Park, NC 27709

S 449522 ¹⁶⁰/₃₈
S 460600 ¹⁶¹/₁₈

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. 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.

2. Make the following label changes before you release the product for shipment:

- a. Add the phrase, "EPA Registration No. 264-546".
- b. As stated in your letter of September 15, 1993, it is understood that the subject product is intended for use on golf courses which is not within the scope of the Worker Protection Standard(WPS). Accordingly, the statement, "Do not cut sod or handle cut sod which has been treated for a period of 21 days after treatment." must be deleted since it implies use on sod farms which is within the scope of the WPS.
- c. Clarify the claims "For Turfgrass Insect Control" and "For Turfgrass Nematode Control" to read as follows: For Golf Course Turfgrass Insect Control" and "For Golf Course Turfgrass Nematode Control"

Signature of Approving Official:

RATF

Date

MAR 31 1994

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- d. Delete the wording, "Immediately remove all contaminated clothing, and _____" from the "IF ON SKIN" statement.
- e. Reinstate the statements referencing use of a mask or pesticide respirator and use of gloves by users which appears on the labeling for your registered turf use product referenced in support of the subject product.
- f. Delete the heading "Non-Agricultural Use Requirements" as the product is only labeled for use on golf courses. The following statement which appears on the label under this heading is to be retained under the general heading "Directions for Use": "Do not allow unprotected humans or animals into treated areas until grass and soil surface have dried following incorporation with water."

Refer to the paragraph following item 5 of our May 23, 1991 letter (copy enclosed) for your product registered under 264-465. You are reminded that the amount of water recommended on the label as a watering-in treatment must agree with that utilized in any study conducted to measure the amount of residues likely to remain on the treated surface following application and watering-in of the product.

3. Within 6 months of the date of this Registration Notice, submit your revised Confidential Statement of Formula(CSF) showing the upper and lower limits for the active ingredient rather than the technical material. In revising your CSF, you are reminded that, as specified in PR Notice 91-2, the ingredient statement must reflect the nominal concentration of the active ingredient.

4. Submit the data listed below, conducted in accordance with the Good Laboratory Practice Registration Standards, 40 CFR Part 160, and appropriate test guidelines as referenced in EPA's Data Requirements for Registration, 40 CFR Part 158. The specified submittal due dates reflect the current reregistration timeframes for the chemical ethoprop.

- a. Submit the data listed below, no later than October 1994.

82-5(b) 90 day neurotox- mammal

- b. Submit the data listed below, no later than February 1995.

163-1 Leaching/adsorption/desorption

- c. According to our records, the following data requirement is currently outstanding for the chemical

ethoprop and would be required to support the continued registration of the subject product. The submittal due date has passed and information relative to this data requirement is currently pending with the Agency's Reregistration Branch, Special Review and Reregistration Division.

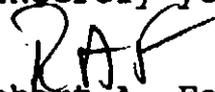
81-8SS Acute neurotox-rat

5. Submit two copies of the revised final printed label before you release the product for shipment.

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.

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

CHIPCO® MOCAP® brand 10G GC

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Pesticide for Golf Courses

NOT FOR DOMESTIC USE

ACTIVE INGREDIENTS:

Ethoprop: (O-Ethyl S, S-Dipropyl Phosphorodithioate) 10.0%

INERT INGREDIENTS 90.0%

EPA Reg. No. 264-XXX

EPA Est. No.

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.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-800-334-9745

STATEMENT OF PRACTICAL TREATMENT

Ethoprop is an organophosphate.

IF SWALLOWED: Give 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. Call a physician, Poison Control Center, or hospital emergency room.

If not breathing, give mouth to mouth artificial respiration.

IF ON SKIN: Immediately remove all contaminated clothing, and wash skin with soap and water. Get medical attention.

FOR EYES: Flush with plenty of water for at least 15 minutes. Call a physician immediately in all cases of suspected poisoning.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention. Persons providing first aid should prevent contamination of themselves.

NOTE TO PHYSICIAN

This product is a cholinesterase inhibitor. Severe symptoms and signs include diarrhea, pinpoint and non-reactive pupils, respiratory difficulty, pulmonary edema, cyanosis, loss of sphincter control, convulsions, and coma. Support respiration as needed. Measures should include removal of secretions, maintenance of a patent airway, and if necessary, artificial ventilation.

If cyanosis is absent, give ATROPINE 2-4 mg intravenously (0.05 mg/kg for children). Repeat atropine at 5-10 minute intervals until atropinization occurs (dry, flushed skin, tachycardia, pupillary dilatation), and maintain for 48 hours. If cyanotic, give initial atropine intramuscularly and start measures to improve ventilation.

Start 2-PAM (PROTOPAM, Ayerst) at the same time. Give 1-2 grams PROTOPAM (20-40 mg/kg for children) in 100cc saline over 15-30 minutes. If pulmonary edema is present, give intravenously slowly as a 5% solution in water over a period of at least 5 minutes. A second dose may be given after one hour if muscle weakness persists. Additional doses may be given cautiously for persistent muscle weakness. May be given by intramuscular or subcutaneous routes if intravenous administration is not feasible.

In case of skin contact, wash patient with soap and water followed by wash with 95% ethyl alcohol. Keep patient under constant observation for 24-36 hours. Symptoms may persist for one month.

The use of theophylline, morphine, barbiturates, phenothiazines, reserpine, and succinyl choline is contraindicated.

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed, inhaled or absorbed through skin. Rapidly absorbed through skin. Do not breathe fumes or dust. Do not contaminate feed or food.

SYMPTOMS OF POISONING: Nausea, vomiting, abdominal cramps, diarrhea, excessive salivation, headache, dizziness, weakness, blurring or dimness of vision, excessive tearing, loss of muscular coordination, slurring of speech, twitching of muscles (especially of tongue and eyelids), mental confusion, disorientation, difficulty in breathing (chest tightness), runny nose.

PHYSICAL AND CHEMICAL HAZARDS

Do not store in or around the home.

ADDITIONAL
with COMMENTS
to EPA Letter Dated

MAR 31 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

264-546

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators who apply this pesticide to golf courses must wear long-sleeved shirt and long pants, shoes plus socks.

Mixers and loaders who handle this pesticide must wear coveralls over short-sleeved shirts and short pants, waterproof gloves, shoes plus socks, and a dust mask.

Wash all clothing with soap and hot water before reuse.

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 body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms (fish and invertebrates), and wildlife. Birds feeding in treated areas may be killed. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Cover, incorporate or clean up granules that are spilled during loading or are visible on soil surface in turn areas. Do not contaminate water when disposing of equipment wash water.

DIRECTIONS FOR USE

It is a violation to Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

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

Do not apply in Long Island, New York.

NON-AGRICULTURAL USE REQUIREMENTS

Do not apply this product in a way that will contact workers or other persons either directly or through drift.

Do not allow unprotected humans or animals into treated areas until grass and soil surface have dried following incorporation with water.

STORAGE AND DISPOSAL

STORAGE

Do not store in or around the home. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide granules, 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 at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GOLF COURSE TURFGRASS

NOT FOR USE ON DOMESTIC TURFGRASS

GENERAL CAUTIONS AND RESTRICTIONS

General Precautions

Avoid contact with granules or breathing dust. Use appropriate equipment during application and handling. Do not apply with equipment carried on the chest or applicators which are likely to grind the granules or scatter granules outside the area intended for treatment.

Incorporation Information

MOCAP® brand 10% Granular Nematicide-Insecticide must be incorporated immediately after application with at least 0.1 inch of rainfall or irrigation. Failure to incorporate with water may result in a hazard to animals, poor pest control, injury to turfgrass, and longer persistence of mercaptan odor.

The unpleasant odor associated with MOCAP® brand 10% Granular Nematicide-Insecticide is due to mercaptan, an impurity and breakdown product of ethoprop, the active ingredient. At the extremely low concentrations present following application of MOCAP® brand 10% Granular Nematicide-Insecticide, the odor may be offensive to some persons.

General Information

When used in accordance with label directions MOCAP® brand 10% Granular Nematicide-Insecticide will provide control of certain insects and nematodes in turfgrass. MOCAP® brand 10% Granular Nematicide-Insecticide must be incorporated with rainfall or irrigation immediately after application. Residual activity may vary with rate, environmental conditions, and pest being controlled.

The pesticidal activity of MOCAP® brand 10% Granular Nematicide-Insecticide is not affected by normal applications of fertilizers or other pesticides. Its effectiveness may be reduced if applied with highly alkaline materials.

Turfgrass Response Information

Avoid application of MOCAP® brand 10% Granular Nematicide-Insecticide to newly seeded areas until grass is well established. Overseeding treated areas soon after application of MOCAP® brand 10% Granular Nematicide-Insecticide may cause injury to young grass seedlings.

To prevent turfgrass injury avoid application to wet foliage. Exceeding recommended rates or overlapping swath widths may result in turfgrass injury.

Do not apply rates greater than 2.3 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet of turf (100 lbs/A) to greens or tees cut to height of less than 0.375 inch. Bentgrass and ryegrass are more sensitive to ethoprop than other turfgrass species. Phytotoxicity is likely to occur when using ethoprop on these grass species; however, the turf will normally outgrow this injury. If the risk of injury is unacceptable to not use this product.

Under certain conditions Chinese Elm has shown sensitivity to ethoprop. When Chinese Elm are present in the landscape do not apply MOCAP® brand 10% Granular Nematicide-Insecticide within the dripline to prevent potential injury.

APPLICATION PROCEDURES

Application may be made using standard drop spreaders or broadcast spreaders. Calibrate and adjust equipment prior to application to insure proper rate and accurate placement.

Retreatment of new pest infestations with MOCAP® brand 10% Granular Nematicide-Insecticide is allowed as necessary. However, do not apply more than 400 pounds per acre per year (40.0 lbs ai/A/year) in any combination of treatments. Do not exceed the maximum labeled rate of 200 pounds per acre (4.6 lbs/1000 sq ft or 20.0 lbs ai/A) at any single application.

FOR TURFGRASS INSECT CONTROL

To control White Grubs (such as Japanese beetle, Chafer beetle, and *Phyllophaga spp.* larvae), Black Turfgrass *Ataenius* adults and larvae, Chinch bugs, Cutworms, Bluegrass Billbug adults and larvae, and Sod Webworm larvae; apply 1.15 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet of turf (50 lbs/A).

For Mole Crickets control apply 1.7 to 2.3 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet of turf (75 to 100 lbs/A). Use higher rate for heavy infestations and older insects.

FOR TURFGRASS NEMATODE CONTROL

MOCAP® brand 10% Granular Nematicide-Insecticide will provide control of the following species of turfgrass nematodes: Lesion, Pin, Ring, Root-Knot, Spiral, Sting, Stubby Root, and Stunt. Suppression of Lance nematodes can be achieved with recommended rates.

Use 4.6 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per 1000 square feet (200 pounds per acre) of established turf. Apply uniformly with a fertilizer spreader or other suitable equipment. Severe infestations may require retreatment after six months.

Do not apply more than 400 pounds of MOCAP® brand 10% Granular Nematicide-Insecticide per acre per year (40.0 lb ai/A/year) in any combination of insect or nematode control treatments.

Do not cut sod or handle cut sod which has been treated for a period of 21 days after treatment.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside the United States.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

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MOCAP® 10% Granular Nematicide-Insecticide (PENDING) Submitted 9/14/93.