

PM 22

55146-14

10/8

OCT 31 1996

Agtrol Chemical Products  
c/o Linda C. Watson  
Pesticide Regulatory Services  
Route One, Box 143-A - Highway 122 / Banks Lake  
Lakeland, GA 31635

Gentlemen:

Subject: Revised Labeling - Worker Protection Standard  
COPZIN  
EPA Registration No. 55146-14  
Your Submission Dated October 21, 1996

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. If the Precautionary Statements section does not appear on the front panel, you must add a referral statement similar to the following:

See side panel for additional precautionary statements

b. Update the Environmental Hazards Statement to include the following:

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 disposal of equipment washwaters.

Refer to PR Notices 93-3 and 93-8.

c. On the chemigation page delete WARNING. Only one Signal Word is allowed on pesticide labeling.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

Sincerely yours,



*for* Philip V. Errico  
Acting Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated

OCT 31 1996

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

55146-14

COPZIN

AGRICULTURAL FUNGICIDE WITH  
NUTRITIONAL ZINC

ACTIVE INGREDIENT:

Basic Copper Sulfate (24% Metallic Copper).....	45.2%
INERT INGREDIENTS: (Including 24% Elemental Zinc).....	54.8%
TOTAL:.....	100.0%

KEEP OUT OF REACH OF CHILDREN  
CAUTION  
STATEMENT OF PRACTICAL TREATMENT

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

IF ON SKIN: Wash with plenty of soap and water. 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.

EPA Reg. No. 55146-14

EPA Est. No.

AGTROL CHEMICAL PRODUCTS  
7322 Southwest Freeway, Suite 1400  
Houston, Texas 77074

NET CONTENTS: 20 lbs.

*See side panel*

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with COMMENTS  
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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
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55146-14

REC'D EPA/OSFP/DPD1  
96 OCT 23 P 1:51

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

Harmful if swallowed, absorbed by skin or inhaled. Avoid contact with skin, eyes or clothing. May cause skin sensitization in certain individuals.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

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.

ENGINEERING CONTROL STATEMENTS

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 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. Do not contaminate water by cleaning of equipment or disposal of wastes. This pesticide is toxic to fish and aquatic organisms. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste dump facility.

CONTAINER DISPOSAL: Completely empty bag in 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.

WARRANTY STATEMENT

AGTROL CHEMICAL PRODUCTS warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the

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Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, waterproof gloves, shoes plus socks and protective eyewear.

#### GENERAL INSTRUCTIONS

**SPRAY MIXTURE PREPARATIONS:** Half-fill the spray tank with water. Start agitator and slowly sift in the required amount of COPZIN. Keep agitator running while adding the remaining water and any other products to the spray tank. Continue agitation until spraying is finished and tank has been emptied.

**APPLYING SPRAY MIXTURE:** The directions given under each crop are for applying dilute spray mixture unless otherwise shown. The amount of COPZIN applied per acre in concentrate and aerial sprays should be the same as the amount applied per acre in dilute sprays. The required amount should be mixed with enough water to thoroughly cover the crop with spray mixture. The volume of water needed will depend upon the spray equipment used and the size of the crop being sprayed. Read the information below about applying dilute, concentrate and aerial sprays.

**APPLYING DILUTE HIGH-VOLUME SPRAYS:** On vegetable crops use 25 to 100 gallons of spray mixture per acre; on fruit and nut trees use 250 to 800 gallons per acre. As much as 1500 gallons per acre may be needed for large trees.

**APPLYING CONCENTRATE GROUND SPRAYS:** On vegetable crops use 5 to 20 gallons of spray mixture per acre; on fruit and nut trees use 25 to 250 gallons per acre.

**APPLYING AERIAL SPRAYS:** Use 3 to 30 gallons per acre.

**CHEMIGATION:** Refer to supplemental labeling entitled "Chemigation Supplemental Label for Products bearing the signal word CAUTION" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling or chemigation is followed.

**ALMONDS:** For control of Shothole Blight - Use 11 lbs. per 100 gals. of water. Use in dormant, petal fall and jacket sprays.

**APPLES:** For control of Fireblight - Use 0.8 to 1.2 lbs. per 100 gals of water. Begin at 10% bloom. Repeat at 5-day intervals until late bloom is over.

**APRICOTS:** For control of Brown Rot- Use 8.7 to 10.3 lbs. per 100 gals. of water. Apply in red bud to pre-jacket fall stages. For control of Shothole - Use 11 to 17.4 lbs. per 100 gals. of water. Apply as a fall or winter dormant spray, applying before the first rains. Repeat in red bud to popcorn states.

**BEST AVAILABLE COPY**

CITRUS: (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, Tangelow): For control of Brown Rot - Use 1 to 3.2 lbs. in 100 gals. of water. In California, for groves to be fumigated or where copper injury is a problem, use the lower rate. Where the groves are not to be fumigated or where copper injury is not a problem, use the higher rate. Apply at first indication of fall rains, or at first sign of disease.

PEACHES, NECTARINES: For control of Leaf Curl and Shothole - Use 8.7 to 12.7 lbs. per 100 gals. of water; or in California, use 26.9 to 34.8 lbs. per acre in sufficient water for good coverage; 19.8 to 39.6 lbs. per 20 gals. of water per acre by air - apply in dormant season.

PEARS: For control of Fireblight - Use 1.1 lbs. per 100 gals. of water. Apply 10% to 20% bloom, full bloom and at 5 to 7 day intervals during bloom. Do not use on Comice, Anjou or Seckel varieties.

STRAWBERRIES: Downy Mildew, Leaf Blight, Leaf Scorch, Leaf Spot - Use 5.33 lbs. per 100 gals. of water. Begin after leaves form. Repeat at 10 to 14 day intervals.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER: For control of Downy Mildew and Leaf Spots - Use 4.75 to 6.33 lbs. per 100 gals. of water. Begin when plants are above ground in plant bed or before diseases appear. Repeat at 7 to 10 day intervals in plant bed and field.

CELERY: For control of Early Blight, Late Blight, and Leaf Spots - Use 4.75 to 10.3 lbs. per 100 gals. of water. Begin in plant bed or field when plants are 6 inches high or when diseases first appear. Repeat at 5 to 14 day intervals as necessary.

LETTUCE: For control of Downy Mildew - Use 4.75 to 6.33 lbs. per 100 gals. of water. Begin before disease appears. Repeat at 7 to 10 day intervals.

ONIONS: For control of Downy Mildew - Use 4.75 to 6.33 lbs. per 100 gals. of water. Begin when plants are 4 to 6 inches high. Repeat at 7 day intervals.

POTATOES: For control of Early and Late Blight - Use 4.75 to 10.3 lbs. per 100 gals. of water. Begin when plants emerge, or when they are 4 to 6 inches high; or when diseases appear. Repeat at 7 to 10 day intervals or more frequently under severe late blight conditions (rainy or foggy periods).

TOMATOES: For control of Anthracnose, Bacterial Spot, Early or Late Blight, or Septoria - Use 4.75 to 10.3 lbs. per 100 gals. of water. Begin in plant bed or field before diseases appear. Repeat at 4 to 14 day intervals. For ground use only.

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# Chemigation Supplemental Label For Products Bearing the Signal Word

## CAUTION WARNING

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. For non-public water sprinkler chemigation systems, the system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of

fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. For non-public water sprinkler chemigation systems, the irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

It is recommended that the pesticide supply tank be equipped with a means for continuous agitation either by recirculation or a mechanical agitator. Charge the supply tank with the appropriate amount of water and add the pesticide slowly followed by any sticker-spreaders, insecticides, nutrients, etc. Observe all cautions and limitations on the label of all products used in the mixtures. For fixed position irrigation systems such as center pivot, big gun, etc., the pesticide should be applied towards the end of the irrigation period. Exact timing will depend on the desired pesticide application rate and calibration of the system. For moving systems, the pesticide should be applied continuously. In all cases, thorough coverage of the crop should be achieved.

This sign is in addition to any sign posted to comply with the Worker Protection Standard.



### AGTROL CHEMICAL PRODUCTS

A Member of The Phillips Brothers Chemicals, Inc. Group of Companies  
7322 Southwest Freeway, Suite 1400  
Houston, TX 77036  
713/995-0111

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