



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

1001-65

Date of Issuance:

JUL 14 1994

Term of Issuance: Conditional

Name of Pesticide Product:

Protect T/O WSB
Turf and Ornamental
Fungicide in Water
Soluble Bags

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

W. A. Cleary Chemical Corp.
1049 Somerset Street
P. O. Box 10
Somerset, NJ 08875-0010

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 change on the label under Agricultural Use Requirements: "Do not enter or allow worker entry into treated areas during the restricted reentry interval (REI) of 24 hours." Twenty four hours is the appropriate REI, as stated in the registration standard for mancozeb.
3. Submit five copies of the final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Signature of Approving Official:

Date:

JUL 4 1994

PROTECT T/O WSB

Turf and Ornamental Fungicide In Water Soluble Bags

ACTIVE INGREDIENTS:

A coordination product of zinc ion and manganese

bisdithiocarbamate.....80%

Manganese++.....16%

Zinc++.....2%

Ethylenebisdithiocarbamate ion.....62%

INERT INGREDIENTS:.....20%

TOTAL.....100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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, wash with plenty of soap and water. Get medical attention.

IF IN EYES, flush eyes with plenty of water. Call a physician if irritation persists.

BEST AVAILABLE COPY

EPA Registration No. 1001-?

EPA Establishment No. 33967-NJ-1

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 14 1994

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

1001-65

NET CONTENTS 3 LBS

Sold by:

W.A. Cleary Chemical Corporation

1049 Somerset St.

Somerset, New Jersey 08875-0010

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 (REI). 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 reentry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls over long sleeved shirt and long pants, Waterproof gloves, and Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR, part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

TURF AND LANDSCAPE USE: Do not enter or allow entry into treated areas until sprays have dried unless wearing the personal protective equipment listed on the label.

GENERAL INFORMATION

PROTECT T/O TURF AND ORNAMENTAL FUNGICIDE is a wettable powder containing a coordination product of zinc ion and manganese ethylenebisdithiocarbamate, and is recommended for use as a spray for the control of many important plant diseases. When used according to directions, it provides excellent fungicidal activity and can be safely used for the prevention and control of most common turfgrass diseases and major fungus diseases of listed ornamentals.

Diseases of turf grass and ornamentals can attack suddenly and unexpectedly causing severe damage and may even result in total loss of large areas of valuable turf grass and ornamental plants. The use of a regular protective spray program will minimize the risk of disease damage and can generally be accomplished with lower rates and less frequent fungicide applications. Once diseases have become established, higher rates of fungicide and more frequent applications are required to bring them under control. Follow a regular protective program for maximum product performance.

INSTRUCTIONS FOR APPLICATION

TO MIX: Fill the spray tank with 1/2 to 3/4 the desired amount of water and slowly add PROTECT T/O WSB packets into spray tank while the agitator is running. Add insecticides and nutritional sprays last. PROTECT T/O WSB is compatible with most commonly used pesticides. Read and observe the precautionary statements and other information appearing on product labels used in mixtures. Continuous agitation is required to keep the product in suspension.

TURF APPLICATIONS

GENERAL USE: For the prevention and control of disease on golf courses, commercial turf areas, and residential turf areas applied by professional applicators. Do not use on pasture or range grasses. Do not graze treated areas or feed clippings to livestock. Do not use on grass grown for seed. Start applications when grass greens up in the spring or when disease first appears and repeat at 7-14 day intervals or until disease threat is past. When conditions are especially favorable for disease development, apply maximum fungicide use rate on a 7 day spray schedule. Apply in sufficient water for adequate coverage. Refer to General Use Instructions except when more specific directions are given for individual crops or diseases.

BEST AVAILABLE COPY

Tulip	Botrytis Blight (fire)	
Zinnia	Leaf Blight	

CHEMIGATION

GENERAL INSTRUCTIONS (NOT FOR THIS USE IN CALIFORNIA)

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have any questions about calibration, you should contact State Extension Service specialist, equipment manufacturer, or other experts.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the provision of the responsible person shall shut the system down and make necessary adjustments should the need arise.

Do not connect chemigation system to any public water system. Public water system means a system for the provision 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.

SYSTEM REQUIREMENTS

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

The system must contain a functional checkvalve, 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 towards 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.

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.

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Requirements section above.

Do not apply when wind speeds favor drift beyond the area intended for treatment.

Apply PROTECT T/O only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismanled and drained. In a center pivot system, block the nozzle set nearest the well pivot injection unit to prevent spray being applied to this area.

Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

PROTECT T/O may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided.

Check local restrictions and requirements regarding sprinkler irrigation application, as they may vary from state to state.

BEST AVAILABLE COPY