

PM 21

1001-65

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Please read instructions on reverse before completing form.

Form Approved: OMB No. 2070-0060. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

214268

## Application for Pesticide - Section I

1. Company/Product Number <b>1001-65</b>	2. EPA Product Manager <b>CONNIE WELCH</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>PROTECT T/O</b>	PM# <b>21</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>W.A. CLEARY CHEMICAL CORP. 178 RIDGE ROAD, SUITE A DAYTON NJ 08810-1501</b> <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

**NOTIFICATION PER PRN 88-6. This is to certify that this notification meets every requirement of PRN 88-6.**

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name <b>RICHARD F. FLETCHER</b>	Title <b>MGR. TECHNICAL/REGULATORY</b>	Telephone No. (Include Area Code) <b>(908) 329-8399</b>	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature <i>Richard F. Fletcher</i>	3. Title <i>Technical/Regulatory Mgr.</i>		
4. Typed Name <b>RICHARD F. FLETCHER</b>	5. Date <i>January 31, 1996</i>		

# PROTECT<sup>T/O</sup>

IN WATER SOLUBLE BAGS

## TURF AND ORNAMENTAL FUNGICIDE

An 80% Coordination Product of Manganese and Zinc Ethylenebisdithiocarbamate.

### 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.

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS

#### • PRECAUTIONARY STATEMENTS-HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May cause irritation of eyes. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

#### • PERSONAL PROTECTIVE EQUIPMENT (PPE)

APPLICATORS AND OTHER HANDLERS MUST WEAR: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear when mixing or loading, chemical-resistant apron when cleaning equipment, mixing or loading. 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.

**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 HAZARD

This product is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 washwaters.

#### • CHEMICAL HAZARDS

Do not allow to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of the product as a fungicide and create vapors which may be flammable. Keep container closed when not in use.



## • STORAGE AND DISPOSAL

**Storage:** Store in the original container in a dry area. If allowed to become wet the product will deteriorate and represent a fire hazard. Keep away from sources of ignition (e.g. sparks and open flame). Close bag when not in use. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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

## 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 statements 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.

Personal Protective Equipment (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, 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 USES:** Do not enter or allow entry into treated areas until sprays have dried unless wearing the personal protective equipment listed on this label.

## GENERAL INFORMATION

PROTECT T/O TURF AND ORNAMENTAL FUNGICIDE is a wettable powder containing a coordination product of zinc ion and manganese ethylenebis(dithiocarbamate), and is recommended for use as a spray for the control of many important plant diseases. When used according to directions, it provides very high fungicidal activity and can be safely used on both turf grasses and certain ornamentals. PROTECT T/O provides control of most common turfgrass diseases and it is also effective in controlling major fungus diseases of certain 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

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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:** Slowly add PROTECT T/O into spray tank while it is being filled and the agitator is running. Add insecticides and nutritional sprays last. PROTECT T/O is compatible with most commonly used pesticides. Read and observe the precautionary statements and other information appearing on product labels used in mixtures.

**FOR AERIAL APPLICATION:** Use at rate indicated in sufficient water for thorough coverage or a minimum of 2 gallons per acre. Use a spreader-sticker, such as Cleary's Clearspray T/O, at a rate of 4 fl.oz. per 100 gallon spray if needed. Add product slowly to water in the spray tank with agitation or premix thoroughly in separate holding tank for concentrate or aircraft sprayers. Continuous agitation is required to keep the product in suspension.

## TURF APPLICATIONS

Refer to General Use Instructions except when more specific directions are given for individual crops or diseases.

**GENERAL USE:** To be used on golf courses, sod farms and for professional applications to industrial, municipal and residential lawns. Do not use on pasture or range grasses. Do not feed clippings to livestock. Do not use if grass is 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. 2-4 gallons are recommended for mechanical applications; smaller volumes are acceptable for hand applications. Do not graze treated areas. Do not feed clippings to livestock.

Disease(s) Controlled	Rate of PROTECT T/O Oz./1000 Sq. Ft.	Remarks
Copper Spot, Red Thread, Fusarium Blight (F. Roseum) Slime Mold	4-8	
Helminthosporium, Melting Out, Rhizoctonia Brown Patch, Rust	4	Apply on a 7 day schedule for Rhizoctonia.
Pythium Blight	8	Apply at 5 day intervals or more frequently if conditions are especially favorable for disease development.
Dollar Spot	6-8	
Algae	6	
Snow Mold (Fusarium Nivale)	6-8	Apply at 2 week intervals during winter.

## HORTICULTURAL APPLICATIONS

### FIELD, NURSERY, GREENHOUSE, and LANDSCAPE

For use on the listed Annual and Perennial Flowers, Ground Covers, plus Deciduous and Evergreen Trees and Shrubs. Refer to General Use Instructions except when more specific directions are given for individual crops or diseases. Do not use edible portions of any listed plant for food or feed purposes.

**GENERAL USE:** Apply the equivalent of 1.5 lbs. PROTECT T/O per 100 gallons of water (2 water soluble bags) in full coverage spray. To improve performance, add 2-4 oz. spreader-sticker, such as Cleary's Clearspray T/O, per 100 gallons of spray. Begin spraying when plants are well leafed out or at first sign of disease and apply at 7-10 day intervals throughout the season, or follow State Extension Service recommendations for disease control on the listed ornamental plants. Note: The Directions for Use of this product reflect cumulative inputs from both field use experience and product testing programs. However, it is impossible to test this product on all plant species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied. Wait 5-7 days after treatment to evaluate trial results.

**Cleary's PROTECT T/O fungicide is recommended for use on the plant species listed below for the control of the following diseases and pathogens:**

**Alternaria** - leaf spots and flower blights  
**Anthraxnose Blights** - *Colletotrichum*, *Discula*, *Elsinoe*,  
~~*Gloeodes*~~, *Gloeosporium*, *Glomerella*, *Gnomonia*, *Guignardia*  
**Aschochyta Blights**  
**Blackspot of Rose** - *Diplocarpon*  
**Black Leafspot of Elm**  
**Botryosphaeria Dieback**  
**Botrytis Blights, Gray mold**  
**Brown Rot Blight** - *Monolinia*, *Sclerotinia*, *Whetzelinia*  
**Cylindrocladium Leaf Blight**  
**Downy Mildews** - *Plasmopara*, *Peronospora*  
**Flower Blights** - *Aschochyta*, *Botrytis*, *Monolinia*, *Sclerotinia*,  
*Whetzelinia*  
**Gray mold** - *Botrytis*  
**Ink Spot** - *Ciborinia*, *Sclerotinia*, *Whetzelinia*  
**Kabatina Dieback**  
**Leafspots** - *Alternaria*, *Bipolaris*, *Cephalosporium*, *Cercospora*,

*Cylindrosporium*, *Dactylaria*, *Didymellina*, *Diplocarpon*, *Dreschleria*,  
*Exerohilum*, *Helminthosporium*, *Entomosporium*, *Fabraea*,  
*Leptosphaeria*, *Marssonina*, *Mycosphaerella*, *Pestalotia*, *Phyllosticta*,  
*Rhytisma*, *Septoria*, *Sphaeropsis*, *Stigmata*  
**Needlecasts of Conifers** - *Cyclaneusma*, *Ismiella*, *Lophodermium*,  
*Naemacyclus*, *Rabdicline*, *Rhizosphaeria*, *Scirrhia*  
**Phytophthora Dieback**  
**Ramularia Blight**  
**Rhizoctonia Web Blight**  
**Rusts** - *Gymnosporangium*, *Melampsora*, *Melampsoridium*,  
*Phragmidium*, *Puccinia*, *Uromyces*  
**Scab** - *Fusicladium*, *Venturia*, *Sphaceloma*, *Cladosporium*  
**Shothole Leafspot** - *Blumeriella*, *Coccomyces*  
**Stemphyllium Blight**  
**Tip Blights, Phomopsis, Diaporthe**  
**Tip Blight of Pine** - *Diplodia*, *Sphaeropsis*  
**Volutella Blight**

**Ornamental plants for which Cleary's PROTECT T/O is recommended:**

African violet - *Saintpaulia*  
Ageratum - *Ageratum*  
Almond (ornamental) - *Prunus*  
Alyssum - *Lobularia*  
Andromeda - *Pieris*  
Anthurium - *Anthurium*  
Apple (ornamental) - *Malus* sp.  
Arborvitae - *Thuja*  
Ash - *Fraxinus*  
Ash, Mountain - *Sorbus*  
Aspen - *Populus*  
Aster, China - *Callistephus*  
Azalea\* - *Rhododendron*  
Baby's Breath - *Gypsophila*  
Begonia - *Begonia*  
Birch - *Betula*  
Boxwood - *Buxus*  
Buckeye - *Aesculus*  
Camellia\* - *Camellia*  
Cardinal Flower - *Lobelia*  
Carnation - *Dianthus*  
Catharanthus - *Catharanthus*  
Cedar, Red - *Juniperus*  
Celosia - *Celosia*  
Cherry (ornamental) - *Prunus*  
Chinese evergreen - *Aglaonema*  
Christmas Cactus - *Schlumbergera*  
Christmas Trees  
Chrysanthemum\* - *Chrysanthemum*  
Dendranthema  
Coleus - *Coleus*  
Columbine - *Aquilegia*  
Conifers  
Common Dracaena - *Cordylina*  
Cotoneaster - *Cotoneaster*  
Crabapple (ornamental) - *Malus*  
Crape Myrtle - *Lagerstroemia*  
Croton - *Codiaeum*  
Cyclamen - *Cyclamen*  
Dahlia - *Dahlia*

Daisy, Transvall - *Gerbera*  
Daisy, Shasta - *Chrysanthemum*  
Delphinium - *Delphinium*  
Dieffenbachia - *Dieffenbachia*  
Dogwood\* - *Cornus*  
Dracaena - *Dracaena*  
Dusty Miller - *Centaurea*  
Elm - *Ulmus*  
Euonymus - *Euonymus*  
Fatsia - *Fatsia*  
Ferns - *Nephrolepis*, *Polypodium*,  
*Polystichum*, *Pteris*  
Ficus - *Ficus*  
Fig (ornamental) - *Ficus*  
Firs - *Pseudotsuga*  
Firethorn - *Pyracantha*  
Fittonia - *Fittonia*  
Fuchsia - *Fuchsia*  
Garden Balsam - *Impatiens*  
Geranium - *Geranium*, *Pelargonium*  
Gerbera - *Gerbera*  
Gladiolus - *Gladiolus*  
Gold Dust Tree - *Aucuba*  
Gomphrena - *Gomphrena*  
Gypsophila - *Gypsophila*  
Hawthorn - *Crataegus*  
Hibiscus - *Hibiscus*  
Hickory - *Carya*  
Holly - *Ilex*  
Hollyhock - *Alcea*  
Horsechestnut - *Aesculus*  
Hydrangea - *Hydrangea*  
Impatiens - *Impatiens*  
Iris - *Iris*  
Ivy, Boston - *Parthenocissus*  
Ivy, English - *Hedera*  
Jadeplant - *Crassula*  
Juniper - *Juniperus*  
Kalanchoe - *Kalanchoe*  
Larkspur - *Delphinium*

Laurel, Mountain - *Kalmia*  
Laurel, Cherry - *Prunus*  
Lavender Cotton - *Santolina*  
Lily - *Lilium*  
Liriope - *Liriope*  
Lobelia - *Lobelia*  
Loquat - *Eriobotrya*  
Magnolia - *Magnolia*  
Mahonia - *Mahonia*  
Maple - *Acer*  
Myrtle - *Myrtus*  
Nasturtium - *Tropaeolum*  
Nephthytis - *Nephthytis*  
Nicotiana - *Nicotiana*  
Nierembergia - *Nierembergia*  
Oak - *Quercus*  
Orchids - *Cymbidium*, *Phalaenopsis*  
Osmanthus - *Osmanthus*  
Pachysandra\* - *Pachysandra*  
Palm, Areca - *Chrysalidocarpus*  
Palm, King - *Archatophoenix*  
Palm, Chamaedorea - *Chamaedorea*  
Palm, Madagascar -  
*Chrysalidocarpus*  
Palm, Washingtonia  
Pansy - *Viola*  
Peach (ornamental) - *Prunus*  
Pear (ornamental) - *Pyrus*  
Peony\* - *Paeonia*  
Peperomia - *Peperomia*  
Periwinkle - *Vinca*  
Petunia - *Petunia*  
Philodendron - *Philodendron*  
Phlox - *Phlox*  
Photinia - *Red Tip*  
Pieris - *Pieris*  
Pilea - *Pilea*  
Pine - *Pinus*  
Pine, Norfolk Island - *Araucaria*  
Pittosporum - *Pittosporum*

Plane Tree - *Platanus*  
Plum (ornamental) - *Prunus*  
Poinsettia - *Euphorbia*  
Poplar - *Populus*  
Portulaca - *Portulaca*  
Pothos - *Syngonium*  
Prayer Plant - *Primula*  
Privet - *Ligustrum*  
Protea - *Protea*  
Pyracantha - *Pyracantha*  
Umbrella Tree - *Schefflera*  
Red Tip - *Photinia*  
Redwood - *Sequoia*  
Rhododendron\* - *Rhododendron*  
Rose - *Rosa*  
Sage - *Salvia*  
Sand Cherry - *Prunus*  
Santolina - *Santolina*  
Schefflera - *Schefflera*  
Senecio - *Senecio*  
Sequoia - *Sequoia*  
Snake Plant - *Sansevieria*  
Snapdragons - *Antirrhinum*  
Spathiphyllum - *Spathiphyllum*  
Spruce - *Picea*  
Spurge, Japanese\* - *Pachysandra*  
Statice - *Limonium*  
Strawflower - *Helichrysum*  
Sycamore - *Platanus*  
Syngonium - *Syngonium*  
Vanda - *Vanda*  
Velvetleaf - *Abutilon*  
Verbena - *Verbena*  
Viburnum - *Viburnum*  
Walter - *Juglans*  
Willow - *Salix*  
Yucca - *Yucca*  
Zebra Plant - *Arhelandra*  
Zinnia - *Zinnia*

\* See "Special Instructions" on the next page for additional information on use.

## Special Instructions - Follow the Directions listed below for the specified plant and pathogen.

Azaleas, Camellias, Rhododendron - Petal Blight. Spray 2-3 times a week while flowers are opening. Direct spray into flowers and spray ground under plants thoroughly.

Chrysanthemum - Botrytis Petal Spot. Apply 1-2 lbs. per 100 gallons or 1.5 tablespoons per gallon in full coverage spray. Apply twice weekly during the blooming season.

Dogwood, Flowering - Anthracnose. Apply when buds begin to open, when bracts have fallen, 4 weeks later, and again in late summer after flower buds for next season are formed.

Pachysandra - Volutella Blight. Use a drenching spray of 4 lbs. per 100 gallons of water per 10,000 sq. ft. of bed area. Start application at first sign of disease and make at least 5 applications at 10-14 day intervals.

Peony - Phytophthora Blight, Botrytis Blight. Apply in early spring and early fall, drenching soil around plants as well as foliage. Promptly destroy all infected plant parts.

## CHEMIGATION

### APPLICATION THROUGH IRRIGATION SYSTEMS

#### General Information

1. Apply this product only through solid set or hand move, hand held, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4. 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.
5. 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.

### SPECIFIC INFORMATION FOR IRRIGATION SYSTEMS

#### Connected to Public Water Systems

1. 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.

### LIMITED WARRANTY AND DISCLAIMER

W.A. CLEARY CHEMICAL CORPORATION warrants that this material conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions for Use, subject to the risks referred to therein. W.A. CLEARY CHEMICAL CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL W.A. CLEARY OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OF CUSTOMERS, LABOR COSTS, OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

W.A. CLEARY and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of W.A. CLEARY CHEMICAL CORPORATION.

2. 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.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

4. The pesticide injection pipeline must 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.

5. 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.

6. 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.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

### SPRAY PREPARATION

1. Remove scale, pesticide residues, and other foreign matter from the chemical stock tank and the entire injector system. Flush with clean water.
2. Follow the Directions for Use to determine the amount of PROTECT T/O that must be added to the stock tank. This amount should correspond with the site, host, and pathogen for which the product is used, and the intended amount of area to be treated.
3. Fill the stock tank with approximately 1/2 the desired amount of water. Slowly add the required amount of PROTECT T/O to the stock tank, then add the remaining volume of water.
4. Maintain a gentle continuous agitation in the stock tank during the mixing and application process to ensure a uniform suspension of material.
5. PROTECT T/O may be applied in conjunction with chemically neutral liquid fertilizers and pesticides. Applications in conjunction with highly alkaline fertilizers or pesticides may cause a degradation of the pesticide resulting in reduced performance and should be avoided.
6. Set sprinkler system to deliver 0.1-1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy.
7. Start sprinkler and then uniformly inject the suspension of PROTECT T/O into the water line with a positive displacement pump ahead of a right angle turn to insure adequate mixing and the desired rate of product.



W.A. Cleary Chemical  
CORPORATION

#### Corporate Headquarters

1049 Route 27, P.O. Box 10  
Somerset, NJ 08875-0010  
908-247-8000

#### Chemical Sales and Distribution Center

178 Ridge Road, Suite A  
Dayton, NJ 08810  
908-329-8399  
800-524-1662

Effective Date: 9/95

Replaces: 3/95

WAC4332SP10M