ACTIVE INGREDIENT:
    A coordination product of zinc ion and manganese ethylenebisdithiocarbamate  . . . . . . . . 80.0%
    Manganese+++                          16.0%
    Zinc+++                               2.0%
    Ethylenebisdithiocarbamate ion (C4H6N2S4)                        62.0%

OTHER INGREDIENTS:                                                                                                                                 20.0%
TOTAL                                                                                                                                                100.0%

FIRST AID:
If inhaled:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

If on skin or clothing:
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15–20 minutes.
• Call a poison control center or doctor for treatment advice.

If in eyes:
• Hold eye open and rinse slowly and gently with water for 15–20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye.
• Call a poison control center or doctor for treatment advice.

If swallowed:
• Call a poison control center or doctor immediately for treatment advice.
• Have person sip a glass of water if able to swallow.
• Do not induce vomiting unless told to do so by the poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EPA REGISTRATION NO. 70506-183                      EPA ESTABLISHMENT NO. 33910-HL-01

Sold by:
United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-438-6071 • www.upi-usa.com

NET CONTENTS: 50 lbs.
This pesticide 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, or to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified for the labeled use on cranberries. Do not contaminate water when disposing of equipment washwaters. 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 Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

• Chemical-resistant apron when cleaning equipment, mixing or loading
• Chemical-resistant gloves made of any waterproof material
• Protective eyewear when mixing or loading
• Coveralls over long-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks

ENGINEERING CONTROLS 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.

Human flaggers must be in enclosed cabs.

The enclosed cabs must be used 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.

GENERAL INFORMATION

PENNCOZER® 80WP 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

CAUTION

May cause irritation of eyes. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

• Coveralls over long-sleeved shirt and long pants
• Protective eyewear when mixing or loading
• Chemical-resistant apron when cleaning equipment, mixing or loading
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks

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 CONTROLS 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.

Human flaggers must be in enclosed cabs.

The enclosed cabs must be used 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 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

This pesticide 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, or to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified for the labeled use on cranberries. 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.

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 Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

• Chemical-resistant apron when cleaning equipment, mixing or loading
• Chemical-resistant gloves made of any waterproof material
• Protective eyewear when mixing or loading
• Coveralls over long-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks

INSTRUCTIONS FOR APPLICATION

FOR AIR APPLICATION use at the rate indicated in sufficient water for thorough coverage, a minimum of 2 gallons per acre for field crops and 10 gallons per acre for orchard crops.

Use a Spreader Sticker at a rate of 4 fl. oz. per 100 gallons 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.

When dosage ranges are given, use the higher rate and shorter intervals under severe disease pressure, but do not exceed the maximum rate or apply more frequently than the minimum interval given in the directions for that crop.

MAXIMUM SEASONAL POUNDAGE WHEN USED IN CONJUNCTION WITH ONE OR MORE OTHER EBDC PRODUCTS

FOLIAR APPLICATIONS

Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acre Per Season

If more than one product containing an EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season

If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

SEED TREATMENT

In addition to the maximum number of foliar applications permitted by the formula stated above, a single application for seed treatment may be made on crops which have registered seed treatment uses.
### FIELD CROPS

<table>
<thead>
<tr>
<th>CROPS</th>
<th>DISEASES</th>
<th>RATE</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Corn and Oats</td>
<td>Common Rust</td>
<td>1.0-1.5</td>
<td>Start application at the onset of disease and repeat as needed. Do not apply more than 12 lbs. active ingredient per season (15 lbs. product). Do not apply within 40 days of harvest.</td>
</tr>
<tr>
<td>Corn Grown for Seed</td>
<td>Gray Leaf Spot</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Helminthosporium Leaf Blight</td>
<td></td>
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</tr>
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<tr>
<td>Peanuts</td>
<td>Cercospora Leaf Spot Rust</td>
<td>1.0-2.0</td>
<td>Begin applications when disease first appears and repeat at 7- to 14-day intervals, using shorter interval under severe disease pressure. Do not feed treated vines to livestock. Do not use more than 12.8 lbs. active ingredient (16 lbs. product) per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Peanuts (tank-mix with Topin M)</td>
<td>Ascocytta Web Biotich Cercospora Leaf Spot Rust</td>
<td>1.5 lb PENNCOZEB WP plus 0.30 lb a.i. TOPIN M</td>
<td>Begin applications when disease first appears and repeat at 7- to 14-day intervals, using shorter interval during humid weather. Do not feed treated vines to livestock. Do not use more than 16 lbs. PENNCOZEB WDP per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Rye</td>
<td>Cercospora Leaf Spot Rust</td>
<td>1.0-2.0</td>
<td>Begin applications when disease first appears and repeat at 7- to 14-day intervals, using shorter interval under severe disease pressure. Do not feed treated vines to livestock. Do not use more than 12.8 lbs. active ingredient (16 lbs. product) per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Sugar Beets</td>
<td>Cercospora Leaf Spot Rust</td>
<td>1.5-2.0</td>
<td>Begin applications when disease first threatens and repeat at 7-10 day intervals. Do not use more than 11.2 lbs. active ingredient (14 lbs. product) per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Triticale</td>
<td>Helminthosporium Leaf Blight</td>
<td>1.0-2.0</td>
<td>Start application at onset of disease or when plants are in tillering to jointing stage and repeat at 7- to 10-day intervals. Do not make more than 3 applications in one season. Do not apply more than 4.8 lbs. active ingredient (6.0 lbs. product) per acre per crop. Do not apply within 26 days of harvest (46-day preharvest interval in California). Do not graze livestock in treated areas prior to harvest. Do not apply after heading (around 10.5 Feekes).</td>
</tr>
<tr>
<td>Wheat (including Triticale), Barley, Oats, Rye</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*In California—scab control on wheat only*

### VEGETABLE CROPS

<table>
<thead>
<tr>
<th>CROPS</th>
<th>DISEASES</th>
<th>RATE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>Cercospora Leaf Spot Rust</td>
<td>2.0</td>
<td>Begin applications when rust first appears and repeat at 10 day intervals as needed. Use only on flats after leaves have been harvested. Do not apply more than 6.4 lbs. active ingredient (8 lbs. product) per acre per season. Do not apply within 180 days of harvest (in California and Arizona, the PHI is 120 days).</td>
</tr>
<tr>
<td>Corn, sweet corn used for fresh and processing; popcorn and sweet corn used for seed production, including hybrid seed</td>
<td>Common Rust</td>
<td>1.0-1.5</td>
<td>East of the Mississippi (except Arkansas &amp; Louisiana): Apply in sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4-7 day intervals. Do not apply within 7 days of harvest. Do not feed treated foliage (plant stalk and leaves) to livestock. Do not apply more than 18 lbs. active ingredient (22.5 lbs. product) per acre per crop. West of the Mississippi: Apply in sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4-7 day intervals. Do not apply within 7 days of harvest. Do not feed treated foliage (plant stalk and leaves) to livestock. Do not apply more than 6.0 lbs. active ingredient (7.5 lbs. product) per acre per crop.</td>
</tr>
<tr>
<td>Cucumbers</td>
<td>Alternaria (Macrosporium) Leaf Spot Anthracnosis Cercospora Leaf Spot Downy Mildew Gummy Stem Blight Pythium Fruit Rot Scab</td>
<td>1.5-3.0</td>
<td>Begin when disease threatens or plants begin to run. Spray on a 7-10 day interval using higher rate and/or shorter intervals under severe disease pressure. Do not apply more than 19.2 lbs. active ingredient (24 lbs. product) per acre per season. Do not apply within 5 days of harvest.</td>
</tr>
<tr>
<td>Melons including: cantaloupes, casabas, charentais, honeydews, muskmelons, watermelons</td>
<td>Alternaria Leaf Spot Anthracnosis Cercospora Leaf Spot Downy Mildew Gummy Stem Blight</td>
<td>2.0-3.0</td>
<td>As soon as plants begin to run or when disease threatens. Spray on a 7-10 day interval as necessary using higher rate and/or shorter intervals under severe disease pressure. Do not apply more than 19.2 lbs. active ingredient (24 lbs. product) per acre per season. Do not apply within 5 days of harvest. Some cantaloupe varieties (ie. Harvest Queen, Gold Star, Super Star, Sweet and Early, and Satoyuki) are sensitive to PENNCOZEB WP fungicide. Consult State and Cooperative Extension Service Specialist prior to use.</td>
</tr>
<tr>
<td>Tomatoes</td>
<td>Anthracnosis Early Blight Gray Leaf Mold Gray Leaf Spot Late Blight Septoria Leaf Spot</td>
<td>0.75-3.0</td>
<td>East of the Mississippi: Begin applications when seedlings emerge or transplants are set. Repeat applications of 0.6-1.2 lbs. active ingredient per acre (0.75-1.5 lbs. product) at 7-10 day intervals throughout the season. Do not apply within 5 days of harvest. Do not apply more than 16.8 lbs. active ingredient (21 lbs. product) per acre per crop. West of the Mississippi: Begin applications when seedlings emerge or transplants are set. Repeat applications of 0.6-1.2 lbs. active ingredient per acre (0.75-1.5 lbs. product) at 7-10 day intervals throughout the season. Do not apply within 5 days of harvest. Do not apply more than 16.8 lbs. active ingredient (21 lbs. product) per acre per crop. Use a full rate of a fixed copper fungicide in a tank mix combination with a half to full rate of PENNCOZEB WP. Follow application intervals specified on the copper fungicide label.</td>
</tr>
<tr>
<td>Tomatoes</td>
<td>Anthracnosis Early Blight Gray Leaf Mold Gray Leaf Spot Downy Mildew</td>
<td>0.75-2.0</td>
<td></td>
</tr>
<tr>
<td>Bacterial Speck and Spot</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### FIELDS CROPS continued

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<td>Field Corn and Oats</td>
<td>Common Rust</td>
<td>1.0-1.5</td>
<td>Start application at the onset of disease and repeat as needed. Do not apply more than 12 lbs. active ingredient per season (15 lbs. product). Do not apply within 40 days of harvest.</td>
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<td>Peanuts</td>
<td>Cercospora Leaf Spot Rust</td>
<td>1.0-2.0</td>
<td>Begin applications when disease first appears and repeat at 7- to 14-day intervals, using shorter interval under severe disease pressure. Do not feed treated vines to livestock. Do not use more than 12.8 lbs. active ingredient (16 lbs. product) per acre per season. Do not apply within 14 days of harvest.</td>
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<td>Peanuts (tank-mix with Topin M)</td>
<td>Ascocytta Web Biotich Cercospora Leaf Spot Rust</td>
<td>1.5 lb PENNCOZEB WP plus 0.30 lb a.i. TOPIN M</td>
<td>Begin applications when disease first appears and repeat at 7- to 14-day intervals, using shorter interval during humid weather. Do not feed treated vines to livestock. Do not use more than 16 lbs. PENNCOZEB WDP per acre per season. Do not apply within 14 days of harvest.</td>
</tr>
<tr>
<td>Rye</td>
<td>Cercospora Leaf Spot Rust</td>
<td>1.0-2.0</td>
<td>Begin applications when disease first appears and repeat at 7- to 14-day intervals, using shorter interval under severe disease pressure. Do not feed treated vines to livestock. Do not use more than 12.8 lbs. active ingredient (16 lbs. product) per acre per season. Do not apply within 14 days of harvest.</td>
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<tr>
<td>Sugar Beets</td>
<td>Cercospora Leaf Spot Rust</td>
<td>1.5-2.0</td>
<td>Begin applications when disease first threatens and repeat at 7-10 day intervals. Do not use more than 11.2 lbs. active ingredient (14 lbs. product) per acre per season. Do not apply within 14 days of harvest.</td>
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<tr>
<td>Triticale</td>
<td>Helminthosporium Leaf Blight</td>
<td>1.0-2.0</td>
<td>Start application at onset of disease or when plants are in tillering to jointing stage and repeat at 7- to 10-day intervals. Do not make more than 3 applications in one season. Do not apply more than 4.8 lbs. active ingredient (6.0 lbs. product) per acre per crop. Do not apply within 26 days of harvest (46-day preharvest interval in California). Do not graze livestock in treated areas prior to harvest. Do not apply after heading (around 10.5 Feekes).</td>
</tr>
<tr>
<td>Wheat (including Triticale), Barley, Oats, Rye</td>
<td></td>
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</table>

*In California—scab control on wheat only*
SEED TREATMENT**

Seeds to be treated should be cleaned and well cured prior to treatment. PENNCOZEB 80WP may be applied to dry seed with conventional slurry or mist seed treating equipment or as a planter-box application. For best results, the seed must be completely and uniformly covered with fungicide. For seed treatment, a dye must be added to PENNCOZEB 80WP which will impart an unnatural color to the seed.

FRUIT CROPS continued

<table>
<thead>
<tr>
<th>CROPS</th>
<th>DISEASES</th>
<th>RATE LBS/ACRE</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bananas (including Platanus)</td>
<td>Sigatoka</td>
<td>2.0-3.0</td>
<td>Apply when leaves first appear and repeat as needed on a 14-21 day interval. Do not apply more than 24 lbs. active ingredient (30 lbs. product) per acre per season. May be applied up to the day of harvest.</td>
</tr>
<tr>
<td>Cranberries</td>
<td>Fruit Rot</td>
<td>2.0-6.0</td>
<td>Begin applications at early bloom and repeat at 7-10 day intervals. Do not apply within 30 days of harvest. Do not apply more than 14.4 lbs. active ingredient (18 lbs. product) per acre per season.</td>
</tr>
<tr>
<td>Grapes</td>
<td>Black Rot, Bunch Rot, Downy Mildew, Phomopsis (Dead Arm)</td>
<td>1.5-4.5</td>
<td>East of the Rocky Mountains</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.5-2.5</td>
<td>West of the Rocky Mountains Apply when shoots are ½ to 1½ inches long. Continue at 7-10 day intervals. Do not apply more than 13 lbs. active ingredient (16 lbs. product) per acre per season.</td>
</tr>
<tr>
<td>Papayas</td>
<td>Anthracnose, Black Spot, Cecropaspera, Phyllostoma, Fruit Rot</td>
<td>1.5-2.5</td>
<td>Apply first when disease pressure threatens and continue on a 14-21 day interval. Do not apply more than 28 lbs. active ingredient (35 lbs. product) per acre per season. Applications can be made up to the day of harvest.</td>
</tr>
</tbody>
</table>

MISCELLANEOUS

<table>
<thead>
<tr>
<th>CROPS</th>
<th>DISEASES</th>
<th>RATE LBS/ACRE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Christmas Trees (Conifer)</td>
<td>Lophodocion Needle Cast, Pine Gall Rust, Scirrha Brown Spot</td>
<td>2 to 4 lbs.</td>
<td>Begin application in spring or early summer before infection occurs. Repeat after heavy rains and at two week intervals as long as needed.</td>
</tr>
<tr>
<td>Douglas Fir</td>
<td>Swiss Needle Cast</td>
<td>1 lb. per 100 gal.</td>
<td>Place loosely packed crowns into a burlap bag and soak, with gentle agitation, in the fungicide solution for 5 minutes. Remove bag, drain well, and plant crowns as soon as possible.</td>
</tr>
<tr>
<td>Asparagus Crown (Planting Stock)</td>
<td>Crown Rot</td>
<td>1 lb. per 125 gal.</td>
<td>A tank large enough to hold a single burlap bag will treat 2 bags of crowns. Clean dipping suspension should then be prepared in a clean tank. Dirty crowns should be pre-washed to remove excess soil.</td>
</tr>
<tr>
<td>Caprifig</td>
<td>Assorted molds, Endosperm (Fusarium)</td>
<td>1 lb. per 25 gal.</td>
<td>Prepare mame figs by making a shallow cut through the eye and then hand dividing to avoid wasp injury. Submerge mame figs in the fungicide suspension for a minimum of 15 minutes. The fungicide suspension should be stirred frequently to prevent settling out. Fresh dipping solution should be used after treating 4 or 5 batches of figs. After treatment, figs should be drained prior to placement in trees.</td>
</tr>
</tbody>
</table>

TURF-COMMERCIAL SOD FARMS- Not for use by homeowners

Not for use in California

Start applications when grass greens-up in the spring or when disease first appears, and repeat at 7- to 14-day intervals or until disease 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 to provide adequate coverage.
**TURF TOLERANCE**

Treated turfgrass should be maintained in a vigorous growing condition. Turfgrass under stress will not respond to fungicide treatments as well as well-maintained turfgrass. Turfgrass tolerance to this product has been found to be acceptable, however, this product and tank mixtures with other products have not been tested on all varieties of every turfgrass species or under all possible growing conditions. If user is unfamiliar with the performance of PENNCOZEB 80WP or tank mixtures, under user growing conditions, a limited area of turfgrass should be treated prior to initiating large-scale applications. The user should always exercise reasonable judgement and caution when using this product.

**SYSTEM REQUIREMENTS**

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

- 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.

1. Do not apply when wind speed favors drift beyond the area intended for treatment.
2. Apply PENNCOZEB 80WP only through systems containing anti-syphon 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.
3. Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.
4. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.
5. Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.
6. 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 dismantled 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.
7. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.
8. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.
9. PENNCOZEB 80WP 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.
10. Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

### CHEMIGATION

**GENERAL INSTRUCTIONS**

Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

1. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
2. If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
3. 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.
4. 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.

### APPLICATION INSTRUCTIONS:

1. Prepare a suspension of PENNCOZEB 80WP in a mix tank. Fill the tank with ⅓ or ¾ of the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of PENNCOZEB 80WP and then the remaining volume of water.

### APPLICATION INSTRUCTIONS:

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of PENNCOZEB 80WP into the irrigation water line at the rate per acre. The suspension of PENNCOZEB 80WP should be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing.

NOTE: When treatment with PENNCOZEB 80WP has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

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**TURF TOLERANCE**

<table>
<thead>
<tr>
<th>CROP</th>
<th>DISEASES CONTROLLED</th>
<th>RATE PER APPLICATION 0.2/1000 SQ. FT.</th>
<th>REMARKS (ALSO REFER TO DIRECTIONS FOR USE)</th>
<th>RESTRICTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assorted Grasses</td>
<td>Helmintoxonum Melting Gus</td>
<td>4</td>
<td>Do not apply if treated areas</td>
<td>Do not use on grass intended for grazing, such as range or pasture grasses.</td>
</tr>
<tr>
<td>Copper Spots</td>
<td>Fusarium Blight</td>
<td>4 to 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Thread</td>
<td>Slime Mold</td>
<td>4 to 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dollar Spots</td>
<td>Rhizoctonia Brown Patch</td>
<td>4</td>
<td>Apply on a 7-day spray schedule.</td>
<td>Do not use on grasses grown for seed.</td>
</tr>
<tr>
<td>Pythium Blight</td>
<td>4 to 8</td>
<td>Apply at 5-day intervals, or more frequently, if conditions are especially favorable for disease development.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fusarium Snow Mold</td>
<td>6 to 8</td>
<td>Apply at 2- to 6-week intervals during winter.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage Instructions: Store in the original container in a dry area.
If allowed to become wet the product will deteriorate and represent a fire haz-
ard. 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 Instructions: Wastes resulting from the use of this product
may be disposed of on site or at an approved waste disposal facility.

Container Disposal Instructions: 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.

EMERGENCY TELEPHONE NUMBERS:
CHEMTREC: (800) 424-9300
MEDICAL: (866) 673-6671 Rocky Mountain Poison Control Center

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY
The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks
inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended
consequences may result because of such factors as manner of use or application, weather or crop
conditions, presence of other materials, resistant strains or other influencing factors in the use of the
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