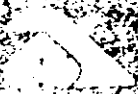


FRONT LABEL



**ACTROL CHEM**  
REG. U.S. PAT. & TM. OFF.

**AGRICULTURAL**

**FUNGICIDE**

**MANUFACTURED BY**

**2-1/2 GALLONS**

## DIRECT

It is a violation of Federal law to use this

## RE-EN

Written or oral warnings must be given to workers who are expected to be without protective clothing until spray has dried. Because certain states may have different regulations, contact your State Department of Agriculture for further information.

## GENERAL

**MANAGER** may be applied using dilute or concentrated ground or aerial spray. Use **MANAGER** according to instructions on this label. Rates given are for ground applications and provide good coverage. Rates for concentrate and aerial applications should be used when wind pressure is high or after periods of heavy rainfall.

For aerial spraying be sure that aerial equipment is properly calibrated. For use on fruits and nuts and vineyards, use 10 to 15 GPA. Refer to specific crops below.

## BERRIES AND VINES

**CRANBERRIES:** *Fruit Rots (Massachusetts)* - 1.6 to 2.4 quarts per acre. Begin at midbloom. Repeat at 10 to 14 day intervals. Do not apply later than 4 weeks after midbloom. *Twig Blight (Lophodermium), Fruit Rots (Washington and Oregon)* - 1.6 quarts per 100 gallons of water. Apply 350 gallons per acre. Begin after blooming. Repeat between July 10 and 20, August 1 and 10, and August 10 and 25. *Fruit Rots (Guignardia, Sporonema, and Glomerella) (New Jersey and Wisconsin)* - 1.6 quarts. Begin after midbloom. Repeat 10 to 14 days later and 4 weeks after midbloom. Do not apply within 30 days of harvest.

**GRAPES:** *Black Rot (Bunch Rot)* - Apply 1.2 to 3.2 quarts per acre ground or air starting when new shoots are 8 to 10 inches long (to midbloom). Repeat just after bloom and 7 to 10 days later. When fruit is present, use maximum of 1.5 quarts per acre. Do not apply within 7 days of harvest.

## FIELD CROPS

**GRASSES:** (*Ornamental-Grown for Replanting Seed Purposes Only*): *Leaf, Stem and Stripe Rust* - 1.6 to 2.4 quarts 50 to 100 quarts per acre. Begin when rust pustules are first seen. Repeat at 7 to 10 day intervals. Do not feed treated grass to livestock.

**SUGAR BEETS:** *Leaf Spot (Cercospora)* - 1.2 to 2.4 quarts in sufficient water/acre. Begin when disease threatens. Repeat at 7 to 10 day intervals for 3 to 5 applications. When no more than 1.6 quarts/acre are applied and last application is made 14 days before harvest, there are no restrictions on feeding tops to livestock. If more than 1.6 quarts/acre are applied, do not apply within 10 days of harvest as tops may not be fed to livestock.

**TOBACCO:** *Blue Mold* - 0.4 to 3.2 quarts. Use 2.5 to 5 gallons diluted suspension 100 square yards of plant bed. Begin when plants are about the size of a dime or when blue mold is first reported in area. Repeat twice weekly until plants are set in field. Use lower rates for early applications increasing to 3.2 quarts as plants increase in size. For disease control under field conditions, use 1.4 to 2.5 quarts per acre. Repeat as necessary.

## ORNAMENTALS

**CARNATIONS:** *Alternaria Leaf Spot, Anthracnose, Botrytis Blight* - 0.8 to 1.2 quarts. Begin when new growth starts. Repeat weekly.

**CHRYSANTHEMUMS:** *Ascochyta Ray Blight, Botrytis Petal Spot, Septoria Leaf Spot*. Use 12.8 fluid ounces **MANAGER** plus 3.4 pounds **CAPTAN 50W** per 100 gallons of water. Apply twice weekly during blooming season for *Petal Spot* and *Ray Blight*. For *Septoria Leaf Spot* apply weekly throughout the season.

**DAHLIAS:** *Alternate Leaf Spot, Botrytis Blight* - 0.8 to 1.2 quarts. Begin when new growth starts. Repeat weekly.

**DOGWOOD:** *Anthracnose* - 0.8 to 1.2 quarts. Begin when buds open. Repeat when bracts fall 4 weeks later and in late summer.

**GLADIOLUS:** *Botrytis Blight, Curvularia and Stemphylium Leaf Spots* - 1.2 quarts. Begin when flower spikes are developing. Repeat 2 to 3 times at weekly intervals.

**GRASSES (Nongrazed areas):** *Brown Patch* - 4.8 fluid ounces in sufficient water 1000 square feet. Begin at first sign of disease. Repeat at 7 to 14 day intervals. *Dollar Spot* - 9.6 to 12.8 fluid ounces in sufficient water 1000 square feet. Apply as for *Brown Patch* above. *Melting-out* - 4.8 to 6.4 fluid ounces in sufficient water 1000 square feet. Apply as for *Brown Patch* above. *Leaf, Stem and Stripe Rusts* - 2.4 quarts per 100 gallons per acre. Begin when rust pustules are first seen. Repeat

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# BACK LABEL — 2

1.6 to 2.4 quarts in sufficient water to cover (not less than 50 gallons) per acre. Add 4 ounces of spreader-sticker 100 gallons of spray suspension. Begin when fruit is set. Repeat at 10 to 14 day intervals during winter and early spring and every 7 days during wet weather. Direct spray to central column of tree to cover developing fruit.

## VEGETABLE CROPS

**ASPARAGUS:** *Rust*-2.4 quarts 50 to 200 gallons acre. Begin in established fields immediately after harvest. Repeat at 10 day intervals as long as necessary. In young fields which will not be harvested, begin when disease appears and repeat at 10 day intervals. Postharvest application only on established fields.

**BEANS:** *Anthraco*se, *Downy Mildew*, *Rust*-Use 0.8 to 2.4 quarts acre. Begin when plants are small or at first sign of disease. Repeat at 5 to 7 day intervals. Do not apply within 4 days of harvest.

**BROCCOLI:** *Alternaria Leaf Spot*, *Downy Mildew*-Use 1.2 to 1.6 quarts acre. Begin when disease threatens. For *Downy Mildew* begin in plant bed and repeat at 3 day intervals. In field, repeat at 7 to 14 day intervals. If applied within 3 days of harvest, remove residues by washing or trimming.

**BRUSSELS SPROUTS, CAULIFLOWER, and KOHLRABI:** *Alternaria Leaf Spot*, *Downy Mildew*-Use 1.2 quarts acre. Begin when disease threatens. Repeat at 3 day intervals in plant beds and at 7 to 10 day intervals in fields.

**CABBAGE:** *Alternaria Leaf Spot*, *Downy Mildew*-Use 1.2 to 1.6 quarts acre. Begin 7 to 10 days after planting. Repeat at 3 to 5 day intervals in plant bed and field. Do not apply within 7 days of harvest.

**CANTALOUPE, CASSABAS, CRENSHAW'S, HONEYDEW MELONS, HONEY BALLS, MUSKMELONS, PERSIAN MELONS, AND WATERMELONS:** *Anthraco*se, *Cercospora Leaf Spot*, *Downy Mildew*, *Gummy Stem Blight*-Use 0.8 to 2.4 quarts acre. Begin at late bunching when vines begin to run or when disease first appears. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest.

**CARROTS:** *Alternaria and Cercospora Leaf Spots*-Use 0.8 to 2.4 quarts acre. Begin when plants are 6 weeks old. Repeat at 7 to 10 day intervals.

**CASSABA MELONS:** See under *Cantaloupes*.

**CAULIFLOWER:** See under *Brussels Sprouts*.

**CELERY:** *Early Blight (Cercospora)*, *Late Blight (Septoria)*-Use 0.8 to 2.4 quarts acre. Begin when plants emerge in plant beds. Repeat at 3 to 5 day intervals in plant beds and at 7 to 10 day intervals after plants are set in field. Remove excess residues by stripping, trimming, and washing. Do not apply within 14 days of harvest.

**COLLARDS, KALE, MUSTARD GREENS, TURNIPS:** *Alternaria Leaf Spot and Downy Mildew*-Use 0.8 to 2.4 quarts per acre and start applications when disease first appears in area and repeat at 7 to 10 day intervals. Do not apply within 10 days of harvest. Remove excess residues by washing.

**CORN (Sweet):** *Helminthosporium Blight*-Use 1.2 quarts acre. Begin when plants are 6 inches high. Repeat at 4 to 7 day intervals until harvest. Do not feed treated forage to livestock.

**CRENSHAW MELONS:** See under *Cantaloupes*.

**CUCUMBERS:** *Alternaria (Macrosporium) Leaf Spot*, *Angular Leaf Spot*, *Anthraco*se, *Downy Mildew*, *Pythium Fruit Rot*-Use 1.2 to 1.6 quarts acre. Begin when diseases threaten or plants begin to run. Repeat at 7 to 10 day intervals or at 3 to 5 day intervals under severe disease conditions. Do not apply within 5 days of harvest.

**EGGPLANT:** *Anthraco*se, *Early Blight (Alternaria)*, *Phomopsis Blight or Fruit Rot*-Use 0.8 to 2.4 quarts acre. Begin when fruit starts to form. Repeat at 7 to 10 day intervals.

**ENDIVE, LETTUCE:** *Downy Mildew*-Use 0.8 to 2.4 quarts acre. Begin when disease appears. Repeat at 7 to 10 day intervals. Do not apply within 10 days of harvest. Remove residues from head lettuce.

by stripping and trimming, and from leaf lettuce and endive by washing or other effective means.

**HONEY BALL MELONS:** See under *Cantaloupes*.

**HONEYDEW MELONS:** See under *Cantaloupes*.

**KOHLRABI:** See under *Brussels Sprouts*.

**LETTUCE:** See under *Endive*.

**MELONS:** See under *Cantaloupes*.

**MUSKMELONS:** See under *Cantaloupes*.

**ONIONS:** *Botrytis Leaf Blight (Blast)*, *Downy Mildew*, *Purple Blotch*-Use 0.8 to 2.4 quarts acre. Begin at first sign of disease. Repeat at 7 to 10 day intervals.

**ONIONS:** For the control of onion smut, apply 2.4 quarts in 75 gallons of water per acre into the furrow with the seed. This is based upon conventional planting of 15 row spacing and the use of V-shaped planting shoe.

**PEPPERS:** *Anthraco*se, *Cercospora Leaf Spot (Frog-eye Spot)*, *Ripe Rot*-Use 0.8 to 2.4 quarts acre. Begin when disease threatens. Repeat at 7 to 10 day intervals.

**PERSIAN MELONS:** See under *Cantaloupes*.

**POTATOES:** *Early and Late Blights*-Use 0.8 to 2.4 quarts acre. Begin when plants are 2 to 6 inches high. Repeat at 5 to 10 day intervals, more often under severe late blight conditions. Use 1.2 to 1.6 quarts per acre as vines increase in size.

**POTATOES (Seed Pieces):** *Fusarium Seed Piece Decay*-Use 1 quart 10 gallons. Dip whole or cut tubers. Spread in cool place if held before planting. Seed piece treatment only. Do not use seed pieces for food or feed.

**PUMPKINS:** *Angular Leaf Spot*, *Downy Mildew*-Use 2.3 quarts acre in sufficient water to cover or 1.2 to 1.6 quarts 100 gallons. Begin when disease threatens. Repeat at 7 to 10 day intervals.

**RHUBARB (Greenhouse, Michigan):** *Botrytis Leaf Rot*-Use 1.6 quarts per 100 gallons. Begin 4 weeks before harvest. Make 4 applications at 7 day intervals.

**SPINACH:** *Downy Mildew (Blue Mold)*, *White Rust*-Use 1.2 to 1.6 quarts acre. Begin when disease appears. Repeat at 7 to 10 day intervals. Do not apply within 10 days of harvest. Remove excess residues by washing.

**SQUASH (Summer and Winter):** *Anthraco*se, *Downy Mildew*-Use 1.2 to 1.6 quarts acre. Begin when plants start to run. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest.

**TOMATOES (Greenhouse and Field):** *Cladosporium Leaf Mold*, *Early and Late Blights*, *Gray Leaf Spot (Stemphylium)*, *Septoria Leaf Spot*-Use 0.8 to 1.6 quarts acre. Begin at first fruit cluster and repeat at 7 to 10 day intervals. *Anthraco*se-Use 2.4 quarts acre. Begin when first fruit forms. Repeat at 7 to 10 day intervals. Do not apply within 5 days of harvest. *Bacterial Spot*-When *Bacterial Spot* is the target disease use 1.2 quarts acre **MANAGER** combined with 2-3 pounds **CHAMPION WETTABLE POWDER** (1.3 to 1.2 gallon **CHAMPION FLOWABLE**) per acre or fixed copper fungicides at registered rates. Begin applications from seedling stage and continue applications of the **CHAMPION** with **MANAGER** throughout the time when bacterial spot is a relevant disease.

**WATERMELONS:** See under *Cantaloupes*.



## AGTROL CHEMICAL PRODUCTS

A Member of The Dow Chemical Company  
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# MANAGER™ AGRICULTURAL FUNGICIDE

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed, absorbed by skin or inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Do not apply this product in a manner as to directly expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter area without protective clothing until spray has dried.

### 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 irritation persists.  
**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 copious volumes of water. Get medical attention if irritation persists.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

### 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. Store in a cool, dry place. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay 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.