

# DITHANE Z-78

## DIRECTIONS FOR USE

### FIELD CROPS

**PEANUTS**—Cercospora Leaf Spot. Use 1½ to 2 lbs. DITHANE Z-78 per acre applying in sufficient water for adequate coverage. Begin treatment when disease is first noted and continue applications at 1 to 2 week intervals depending upon severity of the disease. Do not use treated peanut hay for food or feed.

**WHEAT**—Stem and Leaf Rust. Begin applications when plants are in boot to early heading stage or when rust is reported in area. Repeat at weekly to 10-day intervals until milk stage.

### PLANT BEDS

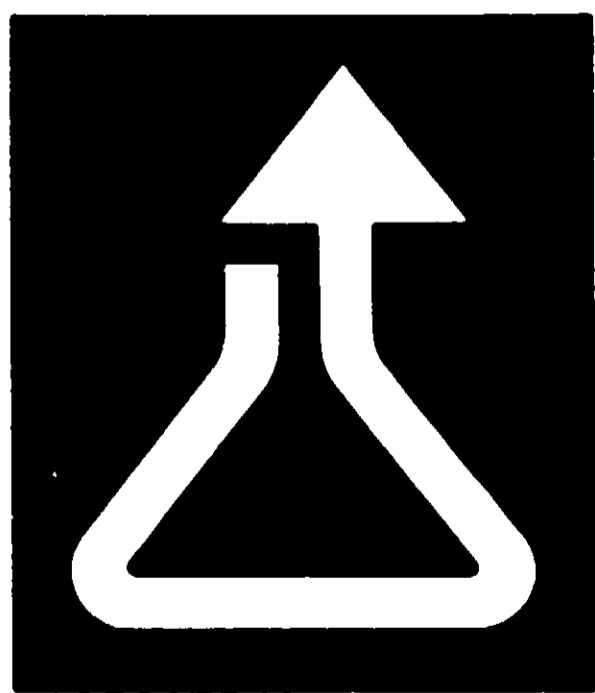
**TOBACCO**—Blue Mold. Begin applications when plants emerge or when blue mold is first reported in area. Spray regularly 2 to 3 times per week during active blue mold weather. Repeat applications immediately after a rain. Use 3 lbs. DITHANE Z-78 per 100 gals. (2 level tablespoons per gallon). Apply at 3 to 6 gals. per 100 sq. yds. of plant bed, depending on size of plants.

**LETTUCE, PEPPERS**—Damping-off. Drench beds weekly after seeding with ½ gal. per sq. yd. of mixture containing 1 lb. DITHANE Z-78 per 50 gals. water.

### DITHANE Z-78 FOR DUSTING

DITHANE Z-78 is also available in dust form with and without insecticides from your local supplier. These dusts can be used on the same crops as DITHANE Z-78 sprays.

**NOTE**—To improve wetting and distribution of DITHANE Z-78 spray on difficult to wet crops, add 2 to 4 ozs. TRITON® B-1956® per 100 gallons of spray. Pre-mix the quantity of TRITON B-1956 desired per tankful in a bucket of water and add to sprayer as filling is completed. TRITON B-1956 is suggested as the best choice where a spreader-sticker is recommended or desired for use with DITHANE Z-78. Other types or brands of pesticide spreaders may also be used. DITHANE Z-78 can be used without any spreaders but this may result in poor coverage of the foliage.



**ROHM  
& HAAS**  
PHILADELPHIA, PA. 19105

## DIRECTIONS FOR USE

### ORNAMENTALS

**GENERAL INSTRUCTIONS**—Use DITHANE Z-78 at 1½ lbs. per 100 gallons or 1 level tablespoonful per gallon. Spray plants thoroughly.

**AZALEAS, CAMELIAS**—Petal blight. Spray 2 to 3 times a week while flowers are opening. Direct spray into flowers. Spray ground under bushes thoroughly.

**CARNATION BENCHES**—Fusarium Root Rot. Drench 3 times annually at 3 month intervals with ¼ lb. DITHANE Z-78 in 12½ gallons per 100 square feet of bench space.

**CARNATIONS, CHRYSANTHEMUMS, HOLLYHOCKS, SNAP-DRAGONS**—Rust, Leaf spot, Anthracnose. Apply at weekly to 10 day intervals as soon as disease conditions threaten. For control of Botrytis Petal Spot and Ascochyta ray make applications twice weekly during the blooming season.

**GLADIOLUS**—Botrytis blight, Curvularia, Stemphylium. Spray at weekly intervals, or oftener under severe disease conditions, from early stages until spikes begin to open.

**ROSES**—Black spot. Apply at weekly intervals.

**TURF GRASSES**—For Helminthosporium diseases, Fading-out (Curvularia), Rust, Slime molds. Use 2 ounces DITHANE Z-78 in 3 to 5 gallons per 1000 square feet of turf. Begin applications as soon as diseases appear and repeat every 7 to 14 days until disease threat is past.

For Pythium blight or grease spot. Use 2 ounces DITHANE Z-78 in 3 to 5 gallons per 100 square feet of turf. Begin applications as soon as diseases appear and repeat every 5 to 7 days when disease is mild or every 3 to 4 days when disease is severe. Continue applications until disease threat is past.

Follow local turf disease control recommendations for further details on application timing.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warrant, nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to damage to plants, crops and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.

## AGRICULTURAL FUNGICIDE

### ACTIVE INGREDIENT:

ZINEB (zinc ethylene  
bisdithiocarbamate) ..... 75%  
(Metallic zinc equivalent 17.7%)

INERT INGREDIENTS ..... 25%  
TOTAL ..... 100%

USDA Registration No. 707-2

## CAUTION KEEP OUT OF REACH OF CHILDREN

May cause irritation of nose, throat and skin. Do not breathe dust or spray mist. In case of prolonged or frequent use, wear clean, protective clothing and bathe after each exposure. In case of skin contact, wash with water; for eyes, wash copiously with water and get medical attention. Keep containers closed. Store in a dry place. Keep away from fire and sparks.

**NET CONTENTS 3 LBS.**  
(1.361 KILOGRAMS)

## DIRECTIONS FOR USE

**GENERAL DIRECTIONS**—Mix the recommended amount of DITHANE Z-78 in a sufficient volume of water to provide good coverage with available equipment in either dilute sprays or in concentrate ground or aerial sprays. Thorough and uniform coverage is absolutely essential for disease control. Further detailed suggestions on aerial application are available on request. DITHANE Z-78 can be applied alone or it can be applied with various other pesticides in recommended spray schedules. It should always be used only in accordance with directions. For further details, see recommendations on this Label and then consult the current State Agricultural Experiment Station spray schedules or State Extension Service Specialists.

### FRUITS

**GENERAL**—In commercial orchards follow the State Experiment Station spray schedule for further details on dosage and timing. In home plantings apply at 1 to 2 week intervals beginning before bloom. Spray plants thoroughly.

**APPLES**—Scab, Cedar rust, Quince rust, Frogeye leaf spot, Black rot, Brooks spot, Fly speck, Sooty blotch, Apple blotch, Botryosphaeria fruit rot, Bitter rot. Use 1 to 2 lbs. DITHANE Z-78 per 100 gallons (10 lbs./A maximum) or 1/2 to 1 lb. when used with captan or glyodin. Begin applications in delayed dormant and continue through cover sprays.

**APPLES, PEARS**—Fire Blight. Use 2 lbs. DITHANE Z-78 per 100 gallons (Apples 10 lbs./A; Pears 8 2/3 lbs./A maximum). Apply at 2 to 3 day intervals when new blooms are opening and weather is wet. Maintain recommended sanitary pruning practices. Do not apply to pears within 7 days of harvest.

**CITRUS**—To control rust mite and associated russeting and grease spot. Use 1 lb. DITHANE Z-78 per 100 gallons (14 1/2 lbs./A maximum). Apply when rust mites appear.

**CRANBERRIES**—Fruit rots. Use 2 to 3 lbs. DITHANE Z-78 per 100 gallons (8 lbs./A maximum). Apply when plants show 5% bloom and repeat about 2 weeks later or at mid-bloom.

**CURRENTS**—Leaf spot. Use 2 lbs. DITHANE Z-78 per 100 gallons (4 lbs./A maximum). Apply 2 to 3 weeks after bloom and again immediately after harvest. Do not apply within 7 days of harvest.

**GRAPES**—Downy mildew, Black rot, Ripe rot. Use 1 1/2 lbs. DITHANE Z-78 per 100 gallons (4 lbs./A maximum). Apply just before bloom, just after bloom, 10 days after bloom and 2 to 3 weeks later. Do not apply within 7 days of harvest.

**PEACHES, APRICOTS**—Coryneum blight or shot hole, Peach leaf curl. Use 2 lbs. DITHANE Z-78 per 100 gallons (Peaches 8 2/3 lbs./A; Apricots 10 lbs./A maximum). Apply in post-harvest or dormant period and in popcorn to jacket stages according to the State Experiment Station spray schedule. Do not apply after petal fall on Apricots or to within 30 days of harvest on Peaches.

**SOUR CHERRIES**—Leaf spot or shot hole. Use 1 lb. DITHANE Z-78 per 100 gallons (8 1/2 lbs./A maximum). Apply at petal fall and 10 to 20 days after petal fall and again immediately after harvest. Do not apply within 7 days of harvest.

**STRAWBERRIES**—Leaf spot. Use 3 1/4 lbs. DITHANE Z-78 per acre in sufficient water for thorough coverage. Begin when new growth starts in spring and repeat as necessary. For Leaf scorch apply in new beds in late summer using 2 to 3 weekly applications. Do not apply within 7 days of harvest.

### VEGETABLE CROPS

**GENERAL**—Unless otherwise indicated on vegetables, use 3 to 4 lbs. of DITHANE Z-78 per acre in sufficient water for thorough coverage. Start applications at first sign of or prior to appearance of disease and repeat as directed.

**BEANS**—Downy mildew, Rust, Anthracnose. Begin when first blossoms appear and repeat at 7 to 14 day intervals to within 7 days of harvest.

**CABBAGE, BROCCOLI, CAULIFLOWER**—Downy mildew, Alternaria. Use 4 to 6 lbs. DITHANE Z-78 per acre. Apply at 7 to 14 day intervals to within 7 days of harvest. **PLANT BEDS**—Use 3 lbs. DITHANE Z-78 per 100 gallons plus spreader weekly.

**CANTALOUPE, CUCUMBERS, WATERMELONS, and OTHER CUCURBITS**—Downy mildew, Alternaria blight, Anthracnose, Gummy Stem blight. Apply at 7 to 14 day intervals. Cover underside of leaves thoroughly.

**CARROTS**—Alternaria leaf blight, Cercospora leaf spot. **BEETS, TURNIPS**—Cercospora leaf spot, downy mildew. Apply at 7 to 14 day intervals to within 7 days of harvest if tops are to be used as food or feed.

**CELERY**—Early and late blight. Spray plant beds at 3 to 5 day intervals. Continue field applications weekly. Remove residues remaining at harvest by stripping, washing or trimming.

**HOPS**—Downy mildew. Drench-spray the crowns when new growth starts. Spray vines at first training and repeat at 5 to 10 day intervals to within 14 days of harvest.

**KALE, COLLARDS, MUSTARD GREENS, SWISS CHARD**—Cercospora leaf spot. Downy mildew; **SPINACH**—Downy mildew (blue mold), White rust. Apply at 7 to 14 day intervals to within 7 days of harvest.

**LETTUCE**—Downy mildew. Apply at weekly intervals to within 5 days of harvest for head lettuce and 7 days of harvest for leaf lettuce.

**POTATOES**—For **FUSARIUM SEED PIECE DECAY**: Dip whole or cut tubers in 1 lb. DITHANE Z-78 per 50 gallons. Spread in cool place if held before planting.

**TOMATOES**—Early and late blight, Anthracnose, Stemphylium and Septoria leaf spots, Cladosporium gray mold. Use 3 to 4 lbs. DITHANE Z-78 per acre. Apply when disease appears and repeat at 7 to 10 day intervals or oftener if disease is severe. On **PEPPERS** to control Phytophthora, Anthracnose, Ripe rot. Use 4 to 8 lbs. DITHANE Z-78 per acre.

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### ORNAMENTALS

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