

DITHANE Z-78

ACCEPTED
JUL 14 1972
707-2

DIRECTIONS FOR USE

FIELD CROPS

PEANUTS—Cercospora leaf spot. Use 1½ to 2 lbs. DITHANE Z-78 per acre. Depending on the type of ground equipment the total volume of spray may vary from 12 to 30 gallons per acre. For aerial equipment the volume can vary from 5 to 10 gallons. 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—Leaf and stem rust. Use 2¼ lbs. DITHANE Z-78 per acre in 3 to 6 gallons of water. Apply by aircraft. 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. Do not apply within 3 to 4 weeks of harvest.

PLANT BEDS

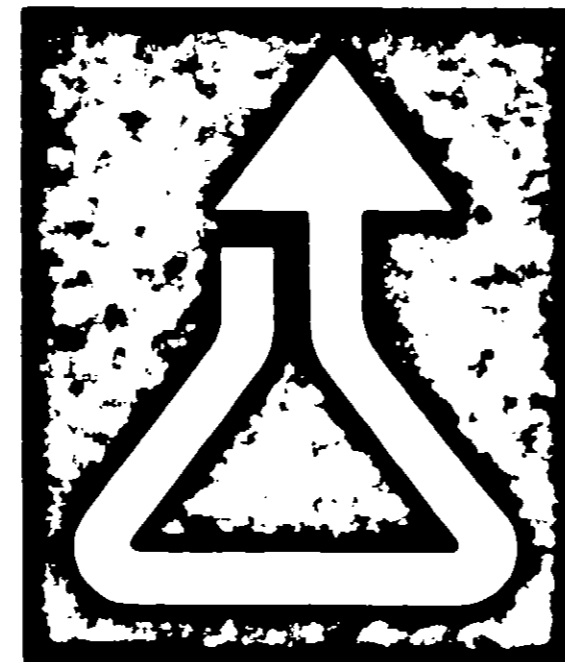
TOBACCO—Blue Mold. Begin applications when plants emerge or when blue mold is first reported in area. Spray regularly 2 to 3 times per week during active blue mold weather. Repeat applications immediately after a rain. Use 3 lbs. DITHANE Z-78 per 100 gals. (2 level tablespoons per gallon). Apply at 3 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 5 gals. water.

DITHANE Z-78 FOR DUSTING

DITHANE Z-78 is also available in dust form with and without insecticides from your local supplier.

NOTE—DITHANE Z-78 may be used without any spreader sticker. When necessary to improve the spray coverage on foliage difficult to wet and to smooth out spray deposits on maturing fruit TRITON® B 1956® is recommended. Other suitable pesticide spreader stickers may also be used, except in situations where TRITON B 1956 is recommended as the only acceptable spreader sticker.



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

AGRICULTURAL FUNGICIDE

ACTIVE INGREDIENT:

ZINEB (zinc ethylene
disdithiocarbamate) 75%

(Metallic zinc equivalent 17.7%)

INERT INGREDIENTS 25%

TOTAL 100%

EPA Reg. No. 707-2-AA

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.

Do not reuse container. Destroy when empty.

Keep container closed. Store in a dry place. Keep away from fire and sparks.

NET CONTENTS 3 LBS.

(1.361 KILOGRAMS)

DIRECTIONS FOR USE

ORNAMENTALS

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

AZALEAS, CAMELLIAS—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, SNAPDRAGON—Anthracnose leaf spot, rust. Apply at weekly to 10 day intervals as soon as disease conditions threaten. For control of Botrytis petal spot and Ascochyta ray blight, 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—Fading out (Curvularia), Helminthosporium diseases, rust, stem molds. Use 2 ounces DITHANE Z-78 in 3 to 5 gallons per 1,000 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 prease spot. Use 2 ounces DITHANE Z-78 in 3 to 5 gallons per 1,000 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.

For state turf disease control recommendations for further details on application timing.

NOTICE—See all warranties 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 warranty 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.

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Farm, Conn.

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DIRECTIONS FOR USE

ORNAMENTALS

GENERAL DIRECTIONS—DITHANE Z 78 at 1 1/2 lbs. per 100 gallons or 1 lb. per 50 gallons per acre. Spray plants thoroughly.

AZALEAS, CAMELIAS—Petiole 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 1/2 lb. DITHANE Z 78 in 12 1/2 gallons per 100 square feet of bench space.

CARNATIONS, CHRYSANTHEMUMS, HOLLYNOCES, SNAPDRAGONS—Anthracnose, leaf spot, rust. Apply at weekly to 10 day intervals as soon as disease conditions threaten. For control of Botrytis petal spot and Ascochyta ray blight 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—Fading out (Curvularia), Helminthosporium diseases, rust, stem molds. Use 2 ounces DITHANE Z 78 in 3 to 5 gallons per 1,000 square feet of turf. Begin applications as soon as diseases appear and repeat every 7 to 14 days until disease threat is past.

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Follow State 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 warranty 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.

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 DIRECTIONS—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—A fire blotch, bitter rot, black rot, Botryosphaeria fruit rot, Brooks spot, cedar rust, fly speck, frog-eye scab, sooty blotch, quince rust. 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 1/2 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.

Do not apply within 30 days of harvest on apples in New England, New York, Michigan, Far West and other states not specifically listed below.

Do not apply within 15 days of harvest in Arkansas, Delaware, Illinois, Indiana, Kansas, Kentucky, Maryland, Missouri, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia.

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.

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

CRANBERRIES—Fruit rot. 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 (8 lbs./A maximum). Apply 2 to 3 weeks after bloom and again immediately after harvest. Do not apply within 7 days of harvest.

GRAPES—Black rot, downy mildew, grape 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 1/2 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.

STRAWBERRIES—Leaf spot. Use 3 1/2 lbs. DITHANE Z 78 per acre using 150 to 250 gallons 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 DIRECTIONS—Unless otherwise indicated on vegetables, use 3 to 4 lbs. of DITHANE Z 78 per acre in sufficient water for thorough coverage. For dilute sprays use 50 to 250 gallons of water per acre depending upon crop and stage of development. Start applications at first sign of or prior to appearance of disease symptoms and repeat as directed.

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

BEEFS, 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.

CABBAGE, BROCCOLI, CAULIFLOWER—Alternaria, downy mildew. 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 water plus suitable spreader. Apply at weekly intervals.

CARROTS, CUCUMBERS AND WATERMELONS

Alternaria blight, anthracnose, downy mildew, gummy stem blight. Apply at 7 to 14 day intervals. Cover underside of leaves thoroughly.

Do not apply within 6 days of harvest. **CUCUMBERS**—Alternaria leaf blight, Cercospora leaf spot. 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 tramping.

Do not apply within 14 days of harvest.

COLLARDS, KALE, 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 10 days of harvest.

CORN (sweet) Helminthosporium leaf blight, Puccinia rust. Apply when disease appears and repeat at 3 to 7 day intervals. Do not feed treated forage to dairy animals or animals being finished for slaughter.

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

LETTUCE—Downy mildew. Apply at weekly intervals to within 10 days of harvest.

PEPPERS—Anthracnose, ripe rot, Phytophthora. Use 4 to 8 lbs. DITHANE Z 78 per acre. Apply when disease appears and repeat at 7 to 10 day intervals.

POTATO SEED TREATMENT—Fusarium seed piece decay. Dip whole or cut tubers in 1 lb. DITHANE Z 78 per 50 gallons. Spread in cool place to harden before planting.

Do not use treated seed potatoes for food or feed purposes.

TOMATOES—Anthracnose, *Cadaperium* gray mold, early and late blight, Septoria leaf spots and Stemphylium. 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.

Do not apply within 5 days of harvest.