

DITHANE

Z-78

(ZINEB)

BEST DOCUMENT AVAILABLE

DIRECTIONS FOR USE

FIELD CROPS

PEANUTS—Cercospora leaf spot. Use 1 1/2 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 may vary from 5 to 10 gallons. Begin treatment when disease is first seen and continue application at 10 to 12 week intervals depending upon severity of the disease. Do not use this peanut hay for food or feed.

WHEAT—Ear and stem rust. Use 2 1/2 to 3 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 maturity. Do not apply within 3 to 4 weeks of harvest.

PLANT BEDS

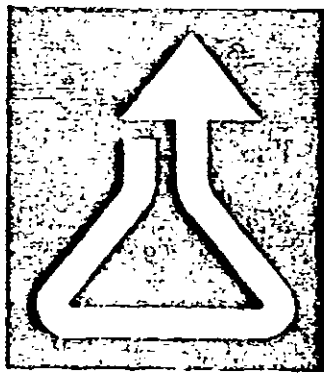
TOBACCO—Black mold. Begin application when plants emerge or when black mold is first reported in area. Spray at 3 to 3 1/2 lbs. per week during active bud and weather before application. Immediately after a rain. Use 3 lbs. DITHANE Z-78 per 100 gal. of water. 1 1/2 teaspoons per gallon. Apply at 3 to 6 gal. per 100 sq. yds. of plant bed depending on size of plants.

LETTUCE-PEPPERS—Damping off. Drench beds weekly after seeding with 1/2 gal. per sq. yd. of mixture containing 1 lb. DITHANE Z-78 per 50 gal. 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
AND
HAAS
PHILADELPHIA, PA. 19105

AGRICULTURAL FUNGICIDE

ACTIVE INGREDIENT	
ZINEB (zinc ethylene bisdithiocarbamate)	75%
(Metallic zinc equivalent 17.7%)	
INERT INGREDIENTS	
	25%
TOTAL	100%

EPA Reg. No. 707-2-AA
EPA Est. No. 477-MD-1

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 kg)

DIRECTIONS

ORNAMENTALS

GENERAL DIRECTIONS

1 level teaspoonful per gallon of water. Apply thoroughly.

AZALEAS, CAMELIAS—flowers are opening. Apply thoroughly.

CARNATIONS—Begin monthly applications when plants are 1 foot of height.

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GLADIOLUS—Botrytis. Apply at 10 day intervals, or often until scab begins to appear.

ROSES—Black spot. Apply at 10 day intervals.

TURF GRASSES—Apply at 10 day intervals.

For 500 sq. ft. of turf, apply 1/2 gallon per 1000 sq. ft. of turf. Repeat every 7 to 14 days until disease is past.

Follow state turf directors application timing.

NOTE—Some varieties of plants are more susceptible than others. It is recommended that you consult your local supplier for more information on the use of DITHANE Z-78 on ornamentals.

NE

CULTURAL
CIDE

CONT
Dithiocarbamate) 75%
(net 17.7%)
NETS..... 25%
100%
07-2-AA
77-MD-1

REACH OF CHILDREN
In case of eye, nose, throat and skin. Do not spray. In case of eye, use clean, protective water for eyes. Get medical attention.
Destroy when empty.
Store in a dry place. Keep out of reach of children.

NETS 3 LBS.
361 kg

ACCEPTED
OCT 10 1973
U.S. Dept. of Agriculture
707-2

DIRECTIONS FOR USE

ORNAMENTALS

GENERAL DIRECTIONS—Use DITHANE 2-78 at 1 1/2 lbs. per 100 gallons or 1 level teaspoonful 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 1/4 lb. DITHANE 2-78 in 12 1/2 gallons per 100 square feet of bench space.

CARNATIONS, CHRYSANTHEMUMS, HOLLYHOCKS, SNAP-DRAGONS—Anthracnose, leaf spot, rust. Apply at weekly to 10 day intervals as soon as disease conditions threaten. For control on 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 2-78 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 gray spot. Use 2 ounces DITHANE 2-78 in 3 to 5 gallons per 1000 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 disease control recommendations for further details on application timing.

NOTICE: We warrant 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 in a manner other than as directed by 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, if any, 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 2-78 in a sufficient amount of water to provide good coverage with available equipment in the dilute sprays or 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 2-78 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—Apple blotch, bitter rot, black rot, Botrytis, scab, fruit rot, Brodiaea spot, cedar rust, fly speck, fire scab, sooty blotch, sunscald. Use 1 to 2 lbs. DITHANE 2-78 per 100 gallons (10 lbs./A maximum) or 1/2 to 1 lb. when used with captan or pyrethrin. Begin applications in delayed dormant and continue through cover sprays.

APPLES, PEARS—Fire Blight. Use 2 lbs. DITHANE 2-78 per 100 gallons (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 listed. Apply as follows:

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 2-78 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 2-78 per 100 gallons (14 1/2 lbs./A maximum). Apply when rust mites appear.

CRANBERRIES—Fruit rots. Use 2 to 3 lbs. DITHANE 2-78 per 100 gallons (8 lbs./A maximum). Apply when plants show 50% bloom and repeat about 2 weeks later or at mid-bloom.

CURRENTS—Leaf spot. Use 2 lbs. DITHANE 2-78 per 100 gallons (12 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, fire blight. Use 1 1/2 lbs. DITHANE 2-78 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—Crown rot, blight or shot hole, peach leaf curl. Use 2 lbs. DITHANE 2-78 per 100 gallons (peaches 8 1/2 lbs./A, apricots 10 lbs./A maximum). Apply in post-harvest or dormant periods and in popliteal 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.

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STRAWBERRIES—Leaf spot. Use 1 1/2 lbs. DITHANE 2-78 per acre using 150 to 200 gallons water for thorough coverage. Begin when new growth starts in spring and repeat as necessary. To control leaf spot in new beds in late summer using 2 1/2 lbs. 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 2-78 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 needed.

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

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.

CABBAGE, BROCCOLI, CAULIFLOWER—Alternaria downy mildew. Use 4 to 6 lbs. DITHANE 2-78 per acre. Apply at 7 to 14 day intervals to within 7 days of harvest. PLANT BEDS—Use 3 lbs. DITHANE 2-78 per 100 gallons water plus suitable spreader. Apply at weekly intervals.

CANTALOUPE, CUCUMBERS, WATERMELONS—Alternaria blight, anthracnose, downy mildew, gummy stem blight. Apply at 7 to 14 day intervals. Cover undersides of leaves thoroughly. Do not apply within 5 days of harvest.

CARROTS—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 burning. Do not apply within 14 days of harvest.

COLLARDS, KALE, MUSTARD GREENS, SWISS CHARD—Cercospora leaf spot, downy mildew, SPINACH—Downy mildew (the mold), white rust. Apply at 7 to 14 day intervals to within 10 days of harvest.

CORN (Sweet)—Helminthosporium leaf blight, Fusarium 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.

HOPS—Downy mildew. Drench spray the crowns when new growth starts. Spray vines at first framing 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 2-78 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 2-78 per 50 gallons. Spread in cool place if held before planting. Do not use treated seed potatoes for food or feed purposes.

TOMATOES—Anthracnose, Cladosporium gray mold, early and late blight, Septoria leaf spots and Stemphylium. Use 3 to 4 lbs. DITHANE 2-78 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.

MADE IN U.S.A.

BEST DOCUMENT AVAILABLE

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