

DITHANE[®] M-22 SPECIAL WITH ZINC

AGRICULTURAL FUNGICIDE

RECORDED
JAN 4 1983

CAUTION KEEP OUT OF REACH OF CHILDREN

May cause irritation of nose, throat, eyes and skin. Do not breathe dust or spray mist. In case of skin contact wash with water. For eyes, wash copiously with water and get medical attention.

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not reuse empty container. Dispose of by perforating and either burning in strict accordance with air pollution regulations or by burying in a safe place in non-crop lands away from water supplies.

IMPORTANT: Keep away from fires and sparks. Store in a cool, dry place. Do not allow to become wet or overheated. If leakage occurs, clean up immediately. Do not use if the label is torn or if the label is faded. Do not use if the label is faded. Do not use if the label is faded.

ACTIVE INGREDIENT

Maneb (Manganese ethylene bisdithiocarbamate) 80%

INERT INGREDIENTS

(including ZnSO₄) 20%
100%

U.S. Pat. No. 3,379,610

EPA Reg. No. 707-83

EPA Est. No. 707-PA-1

NET CONTENTS

3 LBS.

ORNAMENTALS

CHRYSANTHEMUM — Ascoglypta ray blight, Botrytis petal spot, Septoria leaf spot. Use 1 lb. DITHANE M 22 SPECIAL per 100 gallons of water. Apply twice weekly during the blooming season for petal spot and ray blight. For Septoria leaf spot apply weekly throughout the season.

FLOWERING DOGWOOD — Anthracnose. Apply when buds begin to open and again when bracts have fallen and 4 weeks later and again in late summer after flower buds for next season are formed.

PEONY — Botrytis blight and Phytophthora blight. Apply in early spring and early fall, drenching soil surrounding plant as well as foliage. Destroy all infected parts promptly.

CARNATION — Leaf spot

DAHLIA — Botrytis

GLADIOLUS — Botrytis, Curvularia, Stemphylium

LILY — Botrytis

PANSY — Anthracnose

ROSE — Black spot

SNAPDRAGON — Rust

ZINNIA — Leaf blight

Use 1 to 1½ lbs. per 100 gallons of water or 1½ level tablespoons per gallon in full coverage spray. Begin spraying when plants are well leaved out and apply at weekly intervals throughout the season. (See General Instructions.)

TURF GRASSES — Leaf, stem and stripe rusts. Use 2 tablespoons DITHANE M 22 SPECIAL per gallon of water or 3 lbs. per 100 gallons. Apply 2 gallons per 1000 sq. ft. or 100 gallons per acre when rust pustules are first seen and repeat every 7 to 14 days as long as rust threatens. Do not graze treated areas. Do not feed clippings to livestock.

Sclerotinia — Dollar spot. Use DITHANE M 22 SPECIAL at 6 to 8 oz. per 1000 sq. ft. in sufficient water to provide adequate coverage. Start applications at first signs of disease and repeat every 7 to 14 days until disease threat is past.

Melting out — Use DITHANE M 22 SPECIAL at 3 to 4 oz. per 1000 sq. ft. in sufficient water to provide adequate coverage. Start applications at first signs of disease and repeat every 7 to 14 days until disease threat is past.

Rhizoctonia — Brown patch. Use DITHANE M 22 SPECIAL at 3 oz. per 1000 sq. ft. in sufficient water to provide adequate coverage. Start applications at first signs of disease and repeat every 5 to 10 days until disease threat is past.

GRASSES FOR SEED — Leaf, stem and stripe rusts. Use 2 to 3 lbs. DITHANE M 22 SPECIAL per acre in 50 to 100 gallons of water. Begin applications when first rust pustules are noted and repeat every 7 to 10 days until harvest or as long as rust threatens. Do not graze treated areas. Do not feed clippings to livestock.

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 the directions under normal conditions of use. We neither warrant nor assume any other liability for the product for a particular purpose, express or implied, intended to the use, storage or handling of the product in a manner other than as directed by the label instructions or for the use of the product under conditions not reasonably foreseeable to us, and buyer assumes the risk of any such use. These risks include, but are not limited to, damage to crops and animals to which the material is applied, failure to control the pest or disease caused by it, or the plants or crops and animals to which it is applied.

Protective clothing consisting of long pants, long sleeve shirt, gloves, hat and boots must be worn during mixing and loading.



FRUIT AND NUTS

ALMONDS (California) — Brown rot (blow and twig blight) and shot hole (fungus) Use 1 to 2 lbs. per 100 gallons of water (6 to 8 lbs. per acre) at the popcorn, full bloom and petal fall stages (if only brown rot is present omit petal fall spray). Add TRITON B 1956 spreader sticker. Do not apply later than 5 days after petal fall if almond hulls are to be fed to dairy animals or animals being finished for slaughter.

APPLES — Apple scab, bitter rot, black rot, brown rot, bullseye rot, flyspeck, rust, sooty blotch and white rot. Use DITHANE M 22 SPECIAL at 1 to 2 lbs. per 100 gallons of water in single strength sprays or up to 10 lbs. per acre in concentrate sprays. For a protective schedule begin applications in the pre-pink sprays and repeat in subsequent pre-bloom, bloom and cover sprays in accordance with local state spray schedules. Add 2 oz. TRITON B 1956 in last three sprays to provide smooth, even application and reduce spotty, unsightly residue deposits. 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, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia.

APRICOTS — Brown rot and shot hole (fungus) Use 2 lbs. DITHANE M 22 SPECIAL per 100 gallons of water (10 lbs. per acre maximum) at red bud, early bloom and full bloom.

For Green or Jacket rot Use 2 lbs. DITHANE M 22 SPECIAL per 100 gallons of water (10 lbs. per acre maximum) at full bloom and petal fall.

Do not apply within 14 days of harvest.

BANANAS — Sigatoka Use 2 to 4 lbs. DITHANE M 22 SPECIAL per acre in sufficient water to provide adequate coverage. Apply only in aerial applications. Begin when leaves first appear and repeat every two or three weeks or as required.

CRANBERRIES — Fruit rots Use 3 to 6 lbs. DITHANE M 22 SPECIAL per acre in sufficient water for good coverage. Begin applications at mid bloom and repeat as necessary but do not apply within 30 days of harvest. Follow State Experiment Station recommendations for further details on timing.

GRAPES — Black rot (bunch rot) Use 1 to 5 lbs. DITHANE M 22 SPECIAL per acre starting when new shoots are 8 to 10 inches long (pre bloom) and continuing until 10 days after bloom. When fruit is present use maximum of 1 1/2 lbs. DITHANE M 22 SPECIAL per acre. Do not apply within 7 days of harvest.

NECTARINES AND PEACHES — Peach leaf curl and shot hole (fungus). Apply dormant and popcorn spray. For brown rot blossom blight apply at pink bud and 25% to 75% of full bloom. For scab apply at pink bud, bloom, petal fall, shuck and in cover sprays at 7 to 14 day intervals. Use 1 to 2 lbs. per 100 gallons of water (10 lbs. per acre maximum). For fruit brown rot apply 2 lbs. per 100 gallons of water (10 lbs. per acre maximum) 4 weeks before harvest or earlier if rot is found on green fruit and repeat at 7 to 14 day intervals as needed. Add TRITON B 1956 spreader sticker. Do not apply to nectarines later than 14 days before harvest. Do not apply to peaches later than 2 days before harvest. If applied to peaches within 14 days of harvest, remove residues by brushing.

***DITHANE M 22 SPECIAL DUST FORMULATIONS** Unless otherwise stated, the dust recommendations above are for a finished product which would normally contain 6 to 8 percent (4.8 to 6.4 percent active) DITHANE M 22 SPECIAL in a suitable carrier. DITHANE M 22 SPECIAL dusts can be obtained from your local supplier.

NOTE — DITHANE M 22 SPECIAL 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.

...consistent with label directions.

GENERAL INSTRUCTIONS

DITHANE M 22 SPECIAL agricultural fungicide is designed as an aid in the control of various plant diseases. Use DITHANE M 22 SPECIAL in sprays at 1 to 3 lbs. per acre unless specific directions below specify other dosage levels. Apply in sufficient volume of water to provide good coverage with available equipment in either dilute sprays or in concentrate ground or aerial sprays. Further detailed suggestions on aerial application are available on request. Mix DITHANE M 22 SPECIAL into the spray tank as it is being filled with water or it should be premixed in a nurse tank for concentrate ground or aerial sprays.

Add insecticide ingredients to the spray tank last. DITHANE M 22 SPECIAL can be applied alone or with various other pesticides in recommended spray schedules. It should always be used 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 for information on compatibility, dosage, timing and frequency of spray. Always observe any listed timing restrictions between last application and harvest to avoid the possibility of residues in excess of the tolerances established.

DIRECTIONS FOR USE

VEGETABLE CROPS

BEANS (green and dry) — Downy mildew, rust. Apply when disease first appears and repeat at 7 day intervals. Do not apply to green beans within 4 days of harvest.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, KOMM-RABI — Alternaria leaf spot and downy mildew. Use 1 1/2 lbs. per 100 gallons of water (except on cabbage use 1 lb.) and apply up to 150 gallons per acre or apply equivalent dosage in concentrate sprays. Add TRITON B 1956 spreader sticker. As a mixed dust* use up to 40 lbs. per acre in plant beds and direct seeded fields apply 7 to 10 days after planting or earlier if disease is present. Repeat every 3 days until transplanting or thinning. In field applications apply as soon as disease threatens and repeat weekly as needed. Reduce spray interval to 3 to 5 days under severe conditions. Do not apply within 7 days of harvest.

CANTALOUPE — Anthracnose, downy mildew, gummy stem blight. Start applications when runners begin to form or at first sign of disease. Repeat every 7 to 10 days as needed. Do not apply within 5 days of harvest.

CARROTS — Cercospora leaf spot, leaf blight. Begin applications when diseases are reported in the area and continue at 7 to 10 day intervals during the growing season or as required for adequate control.

CELERY — Early blight (Cercospora) and late blight (Septoria). Begin spraying in the plant bed when plants first come through the ground. Make further applications at 3 to 5 day intervals until plants are set in the fields. Continue applications when plants are established in the field. Repeat as frequently as required (weekly under average conditions or every 3 to 5 days under severe conditions). Remove residues by stripping, trimming and washing. Do not apply within 14 days of harvest.

COLIARDS, KALE, MUSTARD GREENS, TURNIPS — Alternaria leaf spot and downy mildew. 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.

CUCUMBERS, SQUASH — Anthracnose, downy mildew (and Pythium fruit rot in South Carolina). Apply 1 to 3 lbs. DITHANE M 22 SPECIAL per acre depending on size of vine. Begin when runners form and repeat weekly as needed. Do not apply within 5 days of harvest.

EGGPLANTS, PEPPERS — Anthracnose and fruit rot. Apply as fruit begins to form and repeat at weekly interval, through harvest.

LETTUCE, ENDIVE — Downy mildew. Use up to 150 gallons per acre as a spray or up to 50 lbs. per acre as a dust*. Apply when disease first appears and repeat at 7 to 10 day intervals under average conditions or 3 to 5 days under severe conditions. 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.

LIMA BEANS — Anthracnose and downy mildew. Use up to 200 gallons of spray or 50 lbs. of dust* per acre. Start applications during early budding stage or when disease first appears and repeat every 4 to 7 days as needed. Do not apply within 4 days of each picking.

ONIONS — Blast (Botrytis leaf blight), downy mildew and purple blotch (blight). Apply when disease first appears and repeat every 7 days as needed. Add TRITON B 1956 spreader sticker.

POTATOES — Early and late blight. Apply every 7 to 10 days throughout the season. Begin applications early applying 1 lb. DITHANE M 22 SPECIAL per acre. Use 1 to 2 lbs. per acre as vines increase in size.

PUMPKINS — Angular leaf spot, downy mildew. Use 3 lbs. DITHANE M 22 SPECIAL per acre in sufficient water to wet plants thoroughly. Start applications when disease threatens and repeat at 7 to 10 day intervals as needed.

SPINACH — Downy mildew (blue mold) and white rust. Start applications when disease first appears in area and repeat at 7 to 10 day intervals or as required for adequate control. Do not apply within 10 days of harvest. Remove residues by washing or other effective means.

SWEET CORN — Helminthosporium leaf blight. Use 2 to 2 1/2 lbs. DITHANE M 22 SPECIAL per acre in sufficient water for adequate coverage. Begin applications when disease first threatens and repeat at 4 to 7 day intervals until harvest. Do not feed treated forage to livestock.

TOMATOES — Anthracnose, early and late blight, gray leaf spot (Stemphylium) and Septoria leaf spot. Start applications when first cluster fruit is well formed and repeat at 7 to 10 day intervals. (To avoid injury do not use on young seedlings in greenhouses.) More frequent applications may be necessary starting when plants are set in the fields if weather conditions favor disease. Tomato plants treated with DITHANE M 22 SPECIAL tend to develop heavy foliage, so to assure complete coverage increase spray gallonage accordingly. Where anthracnose is a serious problem on canning tomatoes apply 3 lbs. DITHANE M 22 SPECIAL per acre. Do not apply within 5 days of harvest.

BACTERIAL SPOT — When bacterial spot is the primary disease use 1 1/2 lbs. DITHANE M 22 SPECIAL combined with 4 lbs. tribasic copper sulfate per 100 gallons of standard spray. Start applications when seedlings are about two weeks old and continue including the copper in the regular DITHANE M 22 SPECIAL spray program as long as bacterial spot is prevalent. Do not apply within 5 days of harvest.

WATERMELON, MELONS — Anthracnose, Cercospora leaf spot, downy mildew and gummy stem blight. Start applications when runners begin to form or when disease threatens. Repeat every 7 to 10 days as needed. Under severe conditions shorten spray interval to 3 to 5 days. Some varieties of melons may be sensitive to DITHANE M 22 SPECIAL. Check this before use on any questionable varieties. Do not apply within 5 days of harvest.

FIELD CROPS

CEREAL GRAINS (SEED TREATMENT) — Planter box application. Mix thoroughly with seed in planter box. Treat and mix one half of seed, then treat and mix remaining seed. Do not use treated seed for food, feed or oil purposes.

DITHANE M 22 SPECIAL		Diseases
Crop	in Ounces	
Barley	1.25/bu	covered and false loose smuts, damping off, seed rots, seedling blights
Corn	1.70/bu	damping off, seed rots, seedling blights
Oats	1.25/bu	damping off, seed rots, seedling blights, smuts
Rye	1.25/bu	bunt, damping off, seed rots, seedling blights
Wheat	1.25/bu	bunt, damping off, seed rots, seedling blights

Dust formulations containing DITHANE M 22 SPECIAL are available from local suppliers for use on cereal grains as a planter box application.

SUGAR BEETS — Cercospora leaf spot. Use 1 1/2 to 2 lbs. per acre in 75 to 125 gallons of water. Add TRITON B 1956 spreader-sticker. As a dust* apply 30 to 40 lbs. per acre. Start applications when disease first threatens (usually early July) and repeat at 7 to 10 day intervals as needed. Do not apply within 14 days of harvest. Do not feed treated tops to livestock.

For seed treatment — To control damping off, seed rots, and seedling blight, use 6 to 10 ounces DITHANE M 22 SPECIAL per 100 lbs. seed. Do not use treated seed for food or feed.

Do not feed treated seed to dairy or meat animals.

TOBACCO — Anthracnose and blue mold. Use 1 lb. DITHANE M 22 SPECIAL in 100 gallons of water (1 heaping teaspoon per 4 gallons water). Spray plant beds when plants are the size of a dime or when blue mold is first reported in the area, applying 2 to 5 gallons per 100 square yards depending on size of plants. Repeat twice weekly or more often if sprays are washed with rain. Continue treatment until transplanting is complete.

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MADE IN U.S.A.