SEE FOLDER IN BOTTOM FLAP FOR USE DIRECTIONS

DITHANE® M-22 SPECIAL WITH ZINC

AGRICULTURAL FUNGICIDE

ACCEPTED

JUL 30 1984

Under the Federal Insecticide, Fungicide and Rodenticide Act for the pesticide

KEEP OUT OF REACH OF CHILDREN

CAUTION

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions on back panel and attached use directions If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase

ROHM AND HAAS
PHILADELPHIA, PA 19105

ACTIVE INGREDIENT *	
Maneb (Manganese ethylene bisdithiocarbamate)	80%
INERT INGREDIENTS	
(including $ZnSO_4$)	20%
	100%

U.S. Pat. No. 3,379,610
EPA Reg. No. 707-83
EPA Est. No. 707-PA-1

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NET CONTENTS 3 LBS. (1.36 KG)

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May cause irritation of nose, throat, eyes and skin. Do not breathe dust or spray mist. PROTECTIVE CLOTHING consisting of long pants, long-sleeved shirt, gloves, hat and boots must be worn during mixing and loading.

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Dilute by giving 2 glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

IF INHALED: Move subject to fresh air.

IF IN EYES: Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

IF ON SKIN: Wash affected skin areas with soap and water.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Crop injury, ineffectiveness or other unintended consequences resulting from such factors as failure to follow label directions, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, handling, storage and manner of use are beyond the control of Rohm and Haas and Seller. All such risks will be assumed by the Buyer or User. In no case will Rohm and Haas or Seller be held liable for consequential, special or indirect damages resulting from the use or handling of this product.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

SEE FOLDER IN BOTTOM FLAP FOR USE DIRECTIONS.

STORAGE AND DISPOSAL

STORAGE: Keep away from fire and sparks. Store in a cool, dry, well ventilated area. Do not allow to become wet or overheated in storage. decomposition, impaired activity, or fire may result. Keep container closed when not in use.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of it in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or shovel into containers for disposal or reworking. Keep dusting to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit.

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MADE IN U.S.A.

BEST DOCUMENT AVAILABLE

ROHM AND HAAS COMPANY
INDEPENDENCE MALL WEST
PHILADELPHIA, PENNSYLVANIA 19105

DITHANE(R) M-22 SPECIAL AGRICULTURAL FUNGICIDE
EPA REG. NO. 707-83

DIRECTIONS FOR USE

NOTE: Before using this product, read the entire Precautionary Statements, Directions for Use and the Conditions of Sale and Warranty. If the Conditions of Sale and Warranty are not acceptable, return product unopened within thirty days of purchase to place of purchase.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

REENTRY AND WORKERS PROTECTION STATEMENTS:

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

CAUTION

(Insert area or field description) treated with DITHANE M-22 SPECIAL fungicide on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to DITHANE M-22 SPECIAL fungicide and describe his condition. For further information see the "Statement of Practical Treatment."

Oral warnings must include the same information that is in the written warnings.

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GENERAL USE INFORMATION

DITHANE M-22 SPECIAL fungicide is a broad-spectrum protectant fungicide recommended for the control of fruit, field, vegetable, and ornamental crop diseases. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program. The addition of an agricultural surfactant will improve fungicide performance by providing a more uniform spray deposit, increased foliar redistribution, and improved fungicide retention during periods of wet weather.

USE RATE DETERMINATION

Carefully read, understand, and follow label use rates and limitations.

Under low disease conditions, minimum per application label rates can be used while maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions.

For proper application, determine the number of acres to be treated, the recommended label use rate, and the gallonage to be applied per acre. Prepare only the amount of spray solution required to treat the measured acreage. Careful calibration of spray equipment is recommended prior to use.

When applied via hand sprayers, 1 pound DITHANE M-22 SPECIAL fungicide per 100 gallons or acre is equivalent to 1 level tablespoon per gallon spray solution.

MIXING

Slowly place into spray tank as it is being filled or thoroughly premix in a nurse tank for concentrate or aircraft sprayers. Add other co-applied fungicides, insecticides, growth regulators, micronutrients, and spray adjuvants after DITHANE M-22 SPECIAL fungicide has been placed into suspension.

When preparing spray solutions for use in a hand sprayer, premix as a slurry in a small container, and then add to sprayer containing 1/3 to ½ the desired final water volume.

COMPATIBILITY

DITHANE M-22 SPECIAL fungicide is compatible with most commonly used agricultural fungicides, insecticides, and growth regulators. When preparing tank mixes, user should consult spray compatibility charts or State Extension Service Specialists prior to actual use.

SPRAY ADJUVANTS

The addition of agricultural surfactants, to DITHANE M-22 SPECIAL fungicide sprays, will improve initial spray deposits, fungicide redistribution, and weatherability. The following spray adjuvants have been especially formulated to optimize the performance of foliar applied agricultural chemicals:

TRITON(R) CS-7	A spreader-binder designed specifically for use in concentrate and low volume sprays applied by aircraft or ground equipment.

7439E/304Z

TRITON(R) B-1956(R)	A water-dispersible, resin-based nonionic surfactant which resists re-wetting and removal by rain. Effective with dilute sprays applied by ground equipment.
TRITON(R) AG-98	A low foam nonionic general purpose spray adjuvant. May be used in dilute or concentrate sprays applied by aircraft or ground equipment.

Place DITHANE M-22 SPECIAL fungicide into suspension prior to adding an adjuvant to the spray mixture. Read and carefully observe the cautionary statements and all other information appearing on both product labels prior to spray preparation.

APPLICATION

Ground:

Apply in sufficient volume of water to provide good coverage with available equipment in either dilute sprays or concentrate ground sprays.

Thorough coverage foliar sprays generally result in optimum disease control. To achieve good coverage use proper spray pressure, gallonage per acre, nozzles (generally hollow cone), discs (generally D-5 to D-7), nozzle spacing, and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

Hand Sprayers:

Thoroughly spray plant foliage until run-off.

Aerial:

A uniform initial spray deposit over the crop canopy generally results in optimum disease control. Each aircraft should be prechecked for droplet size, uniformity of spray pattern, swath width, and spray volume.

Nozzle selection - Hollow cone brass nozzles with a D series orifice disc and core (whirlplate) are recommended. Nozzles should point straight down or slightly backward.

Swath width - For most field and vegetable crops, swaths just beyond the wingspan of 36 to 40 feet for light aircraft and up to 45 feet for heavier aircraft are suggested. Optimum swath for helicopters is usually 5 to 10 feet beyond normal boom length.

Spray volume - On vegetable and field crops, 2 to 3 gallons of spray per acre is generally optimum; orchards and vineyards can be handled with spray volumes of 5 gallons per acre. Some tall or dense foliage crops, requiring greater penetration to the lower leaves, will require higher spray volumes.

Altitude - For most crops, the spray boom should be positioned 5 to 10 feet above the crop canopy.

Flagging - Swaths should be marked at the end of the field with permanent flags or by a flagman. Swaths should be measured accurately with a chain or other device except when rows can be accurately counted.

DISEASE MONITORING:

DITHANE M-22 SPECIAL fungicide is a broad spectrum protectant fungicide. If not applied on a routine protectant spray schedule, crops should be scouted on a weekly basis. Fungicide application should be made, at the recommended label use rate and spray schedule, at the first sign of disease, report of disease in the area, or during environmental conditions favorable for disease development.

RESTRICTIONS:

Users should carefully read, understand, and follow all use restrictions prior to using DITHANE M-22 SPECIAL fungicide.

DIRECTIONS FOR USE:

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application lb./A	Remarks (Also Refer to Directions For Use)	Restrictions
VEGETABLES:				
Asparagus	Rust	2 to 3	Start applications when rust first appears and repeat at 10 day intervals. Four applications are usually sufficient.	Apply only to asparagus ferns after spears have been harvested.
Beans (green, dry)	Anthracnose Downy mildew Rust	1 to 3	Apply when disease first appears and repeat at 7 day intervals.	Do not apply within 4 days of harvest. Do not feed treated forage or hay to livestock.
Broccoli	Alternaria leaf spot Downy mildew	1 to 3	Apply up to 150 gallons spray per acre, or apply equivalent dosage in concentrate sprays. Add TRITON B-1956 agricultural spreader sticker to sprays. 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 application apply as soon as disease threatens and repeat weekly as needed. Reduce spray intervals to 3 to 5 days under severe conditions.	Do not apply within 7 days of harvest.

Crop	Diseases Controlled	Rat DITHANE M-22 SPECIAL Fungicide Per Application lb./A	Remarks (Also Refer to Directions For Use)	Restrictions
Brussels Sprouts	Refer to broccoli			
Cabbage	Refer to broccoli	1½	Refer to broccoli.	Do not apply more than 1½ lbs. per acre per application.
Cantaloupe	Alternaria leaf spot Anthracnose Cercospora leaf spot Downy mildew Gummy stem blight Scab	1 to 3	Start applications when plants are in the two leaf stage and repeat at 5 to 7 day intervals. Use sufficient water and direct spray, to provide thorough coverage of both upper and lower leaf surfaces.	Do not apply within 5 days of harvest.
Carrots	Alternaria leaf spot Cercospora leaf spot	1½ to 3	Apply in 75 to 125 gallons spray per acre. Start applications when disease first threatens and repeat every 7 to 10 days as needed. The addition of TRITON B-1956 or TRITON CS-7 to spray solutions will improve performance.	
Casaba Melon	Refer to melons			
Cauliflower	Refer to broccoli			

Crop	Diseases Controlled	Rate DITHANE M-22 SPECIAL Fungicide Per Application lb./A	Remarks (Also Refer to Directions For Use)	Restrictions
Celery	Early blight Late blight	1 to 3	Start applications 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 field. Continue field applications on a 7 day schedule. Remove excess residue remaining at harvest by stripping, trimming, and washing. The addition of a TRITON surfactant to spray solutions will improve performance.	Do not apply within 14 days of harvest.
Collards	Refer to broccoli		Remove residue by washing.	Do not apply within 10 days of harvest.
Corn (sweet)	Helminthosporium leaf blights	2 to 2½	Use sufficient water for thorough coverage. Start applications when disease first appears and repeat at 4 to 7 day intervals. The addition of TRITON B-1956 or TRITON CS-7 to spray solutions will improve performance.	Do not feed treated forage to livestock.
Crenshaw Melon	Refer to melons			
Cucumbers				
Eggplant	Anthracnose Early blight Phomopsis blight or fruit rot	1 to 3	Begin sprays when fruit starts to form and repeat at 7 to 10 day intervals.	

Crop	Diseases Controlled	Rate of DITHANE M-__ SPECIAL Fungicide Per Application lb./A	Remarks (Also Refer to Directions For Use)	Restrictions
Endive	Downy mildew	1 to 3	Begin sprays when disease appears and repeat at 7 to 10 day intervals. Remove residue by washing, trimming or other effective means.	Do not apply within 10 days of harvest.
Honey Ball Melons	Refer to melons			
Honey Dew Melons				
Kale	Refer to broccoli		Remove residue by washing.	Do not apply within 10 days of harvest.
Kohlrabi	Refer to broccoli			
Lettuce	Refer to endive		Remove residue from head lettuce by stripping and trimming and from leaf lettuce by washing or other effective means.	
Melons	Anthracnose Cercospora leaf spot Downy mildew Gummy stem blight	1 to 3	Start applications when plants are in the two leaf stage and repeat at 5 to 7 day intervals. Use sufficient water and direct spray, to provide thorough coverage of both upper and lower leaf surfaces.	Do not apply within 5 days of harvest.

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application lb./A	Remarks (Also Refer to Directions For Use)	Restrictions
Muskmelons	Refer to melons			
Mustard Greens	Refer to broccoli		Remove residue by washing.	Do not apply within 10 days of harvest.
Onions	Botrytis leaf blight Downy mildew Purple blotch	1 to 3	Follow a protective spray schedule starting when diseases are first reported in the area and repeat at 7 day intervals throughout the season. The addition of a TRITON surfactant to spray solutions will improve performance.	
Peppers	Refer to eggplant			
Persian Melons	Refer to melons			
Potatoes	Early blight Late blight	1 to 2	Begin application when plants are 4 to 6 inches high by applying 1 lb. per acre. As the vines increase in size, apply 1½ to 2 lbs. per acre. The addition of a TRITON surfactant to spray solutions will improve performance.	
(seed pieces)	Fusarium decay		Use 1 1/4 lbs. per 10 gals. water. Dip whole or cut tubers and spread treated seed pieces in a cool place if held before planting.	Do not use treated seed pieces for food or feed.

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application lb./A	Remarks (Also Refer to Directions For Use)	Restrictions
Pumpkins	Angular leaf spot Downy mildew	3	Start applications when disease threatens and repeat at 7 to 10 day intervals as needed. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf surfaces.	
Spinach	Downy mildew (blue mold) White rust	1 to 3	Start applications when disease symptoms first appear and repeat at 7 to 10 day intervals. Remove spray residue by washing or other effective means.	Do not apply within 10 days of harvest.
Squash	Refer to melons			Do not apply within 5 days of harvest.
	Pythium fruit rot	2 to 4	Begin when runners form or at first sign of disease at weekly intervals as needed.	
Tomatoes	Anthracnose Early blight Gray leaf spot Late blight Leaf mold Septoria leaf spot	1 to 3	Start applications when seedlings emerge or transplants are set and repeat at 7 to 10 day intervals throughout the season. In greenhouses use 1/4 to 1/3 pound per 5,000 sq. ft. and start applications when first luster fruit is well formed. Repeat applications at 7 to 10 day intervals. The addition of a TRITON surfactant will improve spray performance.	Do not apply within 5 days of harvest.

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application lb./A	lb./100 Gals.	Remarks (Also Refer to Directions For Use)	Restrictions
Turnips	Refer to broccoli			Remove excess residue by washing.	Do not apply within 7 days of harvest.
Watermelons	Refer to melons				
FRUITS AND NUTS:					
Almonds (California)	Brown rot (blossom and twig blight) Coryneum blight (shot hole) Leaf blight scab	6 to 8	1½ to ?	Apply at dormant to popcorn stage, full bloom, and petal fall, or every 7 to 10 days if bloom is staggered and weather is rainy. For Coryneum blight, begin application in dormant stage and repeat at 7 to 10 day intervals through petal fall. Use 4 ounces TRITON B-1956 per 100 gallons spray.	Do not apply later than 5 weeks after petal fall. Do not apply after petal fall if hulls are fed to dairy animals or animals being finished for slaughter.
Apples	Bitter rot Black rot Brown rot Bullseye rot Rust Fly speck Scab Sooty blotch White rot	10	1½ to ?	Apply every 7 to 14 days throughout the season starting with a green tip or delayed dormant spray and continue through cover sprays. For low volume air blast sprays adjust the mixing rate accordingly. To avoid uneven, blotchy residues from high volume dilute sprays add 2 to 3 ounces TRITON B-1956 per 100 gallons of spray in the last 1 or 2 applications before harvest. Concentrate applications usually leave a uniform, even deposit.	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, or within 30 days of harvest in other states. Do not graze livestock in treated areas.

Crop	Diseases Controlled	Rate of DITHANE® -22 SPECIAL Fungicide Per Application lb./A	lb./100 Gals.	Remarks (Also Refer to Directions For Use)	Restrictions
Apricots (Western States)	Brown rot (blossom blight) Coryneum blight (shot hole) Green or jacket rot Leaf curl	6 to 10	1½ to 2	Apply at dormant to popcorn stage, repeat every 7 to 14 days through petal fall according to local timing recommendations and disease severity. For fruit brown rot use again at 4 to 6 weeks before harvest, repeating applications every 7 to 14 days. For coryneum blight, begin application in dormant stage and repeat at 7 to 10 day intervals through petal fall. Use 4 ounces TRITON B-1956 per 100 gallons spray.	Do not apply within 14 days of harvest. Do not use in combination with Diazinon®.
Bananas	Sigatoka	2 to 4	-	Apply when leaves first appear and repeat every 2 to 3 weeks or as required. Use sufficient water to provide adequate coverage. The addition of a TRITON surfactant to spray solutions will improve performance.	
Cranberries	Fruit rot Twig blight	3 to 6	-	Start applications at mid-bloom and repeat at 7 to 10 day intervals as required.	Do not apply within 30 days of harvest.
Figs (Kadota)	Alternaria and Cladosporium surface molds and rots	-	3/4	Apply once, 10 to 20 days before harvest.	Do not apply within 10 days of harvest.
Grapes	Black rot Bunch rot	1½ to 5	-	Apply in sufficient water to provide thorough coverage 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 3/4 lbs. per acre.	Do not apply within 7 days of harvest.

Crop	Diseases Controlled	Rate o DITHANE M-22 SPECIAL Fungicide Per Application lb./A	lb./100 Gals.	Remarks (Also Refer to Directions For Use)	Restrictions
Nectarines	Refer to peaches				Do not apply within 14 days of harvest.
Peaches	leaf curl shot-hole	10	1½-?	Apply as dormant and popcorn spray.	Do not apply within 2 days of harvest.
	blossom blight (brown rot)			Apply at pink bud and 25% to 75% of full bloom	If applied within 14 days of harvest, remove residues by brushing or washing.
	scab			Apply at pink bud, bloom, petal fall, shuck and in cover sprays at 7 to 14 day intervals.	
	brown rot			Apply 4 weeks before harvest, or earlier if rot is found in green fruit, and repeat at 7 t 14 day intervals as needed.	
FIELD CROPS:					
Grasses (Seed Production)	Leaf rust Stem rust Stripe rust	? to 3	-	Begin application when disease is first noted or observed in the area and repeat application every 7 to 10 days until harvest or as long as disease threatens.	Do not feed treated grass to livestock.
Sugar Beets	Cercospora leaf spot	1½ to ?	-	Start application when disease first threatens and repeat every 7 to 10 days as needed.	Do not feed treated tops to livestock. Do not apply within 14 days of harvest.

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application lb./A	lb./100 Gals.	Remarks (Also Refer to Directions For Use)	Restrictions
Tobacco (transplant beds)	Anthracnose Blue mold	-	½ to 1	Spray plant beds when plants are the size of a dime or when blue mold is first reported in the area, applying 2½ to 5 gallons per 100 square yards, depending on plant size. Repeat sprays twice weekly or more frequently during wet weather. Continue treatment until seedlings have been transplanted.	
(field)	Anthracnose Blue Mold	-	2¼ to 4	Begin application when disease is first noted or observed in area and repeat application as long as disease threatens.	

ACCEPTED
JUL 30 1984
for the Federal Insecticide, Fungicide and Rodenticide Act
for the pesticide
registration 7283

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application oz./Bu	oz./100 lb.	Remarks (Also Refer to Directions For Use)	Restrictions
SEED TREATMENT:				GENERAL USE DIRECTIONS:	Treated seed should be labeled, "Must not be used for food, feed, or oil purposes".
Barley	Covered smut False loose smut Damping-off Seed rot Seedling blights	0.9 to 2.5	1.9 to 5.2	Seeds to be treated should be cleaned and well cured prior to treatment. DITHANE M-22 SPECIAL fungicide may be applied to dry seed with conventional slurry or mist seed treating equipment. The seed must be completely and uniformly covered with fungicide. For seed treatment, a dye must be added to DITHANE M-22 SPECIAL fungicide which will impart an unnatural color to the seed.	
Beans	Damping-off Seed rots Seedling blights	1.3 to 2.5	2.0 to 4.2		
Corn	Damping-off Seed Rots Seedling blights	1.3 to 2.5	2.2 to 4.5		
Cotton (acid delinted)	Damping-off Seedling blights	--	3.0		
(regimed)	Damping-off Seedling blights	--	6.0		
Flax	Damping-off Seed rots Seedling blights	0.9 to 2.5	1.6 to 4.5		

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application oz./Bu	oz./100 lb.	Remarks (Also Refer to Directions For Use)	Restrictions
Oats	Damping-off Seed rots Seedling blights Smuts	0.9 to 2.5	2.8 to 7.8		
Peanuts (shelled)	Damping-off Seed rots Seedling blights	-	2.8		
Peas	Damping-off Seed rots Seedling blights	1.25 to 2.5	2.0 to 4.2		
Rye	Bunt Damping-off Seed rots Seedling blights	0.9 to 2.5	2.3 to 3.6		
Soybeans	Damping-off Seed rots Seedling blights	0.9 to 2.5	1.5 to 4.2		
Sorghum	Covered kernel smut Damping-off Seed rots Seedling blights	0.9 to 2.5	1.3 to 4.5		

Crop	Diseases Controlled	Rate of DITHANE M-22 SPECIAL Fungicide Per Application oz./Bu	oz./100 Lb.	Remarks (Also Refer to Directions For Use)	Restrictions
Sugar Beets	Damping-off Seed rots Seedling blights	--	6.0 to 10.0		
Wheat	Bunt Damping-off Seed rots Seedling blights	0.9 to 2.5	1.5 to 4.2		

[illegible]	[illegible]	Remarks (Refer to Directions For Use)
ORNAMENTAL		GENERAL INSTRUCTIONS: Apply the equivalent of 1½ lbs. DITHANE M-22 SPECIAL Fungicide per 100 gals. The addition of TRITON B-1956 to spray solutions will improve performance. Begin spraying when plants are well leafed out or at first sign of disease in a full coverage spray at 7 to 10 day intervals throughout season or follow State Extension Service recommendations for disease control on the following ornamental plants:
Buffaloberry (nursery)	Leaf spot	
Carnation	Leaf spot Rust	
Chrysanthemum	Ascochyta blight Botrytis petal spot Rust	Apply twice weekly during blooming period.
Dahlia	Botrytis blight	
Dogwood, flowering	Anthracnose	Apply when buds begin to open, when bracts have fallen, 4 weeks later and again in late summer after flower buds for next season are formed.
Dracaena	Fusarium leaf spot	
Geranium	Puccinia rust	
Conifer	Needle cast Brown spot	Begin application in spring or early summer before infection occurs. Repeat after heavy rain or at two-week intervals as long as necessary.

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Crop	Diseases Controlled	Remarks (Refer to Directions For Use)
Gladiolous	Curvularia leaf spot Botrytis blossom blight Stemphylium leaf blight	Make regular weekly applications starting before diseases appear and increase to 2 or 3 applications per week during periods of heavy disease and during rainy weather. On flower spikes, reduce spray concentration to 3/4 lb. per 100 gals.
Hydrangea	Botrytis blight	
Iris	Ink spot Leaf spot (fire)	
Lily	Botrytis blight	
Pansy	Anthracnose	
Peony	Botrytis blossom blight Phytophthora blight	Apply in early spring and early fall, drenching soil around plants as well as the foliage. Promptly destroy all infected plant parts.
Skunkbush sumac	Leaf spots	
Rose	Black spot Cercospora leaf spot Rust	
Snapdragon	Rust	
Zinnia	Leaf blight	

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FUNGICIDE TANK MIXES:

The following tank mix recommendations are made for the improved control of specific diseases. Before mixing DITHANE M-22 SPECIAL with any other fungicide, read and carefully observe the cautionary and all other information appearing on both product labels. User must abide by the most restrictive limitations appearing on the product labels.

CROP	CO-APPLIED FUNGICIDE	FOR IMPROVED CONTROL OF:	USE RATE PER APPLICATION	DITHANE ?? SPECIAL FUNGICI USE RATE PER APPLICATION	REMARKS (ALSO REFER TO USE DIRECTIONS)
Apples	BENLATE 50 WP	Powdery mildew	? to 3 ozs./100 gals.	3/4 to 1 lb./100 gals.	
	TOPSIN-M 70 WP				
	BAYLETON 50 WP		1/? to ? ozs./100 gals.	1 to ? lbs./100 gals.	
	KARATHANE WD	Powdery mildew Mite suppression	1/? to 3/4 lbs./100 gals.		
	KARATHANE LC		4 to 6 fl. ozs./100 gals.		
Celery	BENLATE[a] 50 WP	Early blight Late blight	4 oz./A	1 1/? to ? lbs./A	
	TOPSIN-M[a] 70 WP				
	FIXED COPPERS	Bacterial leaf spot	Manufacturers label use rate	? lbs./A	
Cucumbers	Refer to melons				
Grapes	BAYLETON 50 WP	Powdery mildew	? to 6 ozs./A	1 1/? to 4 lbs./A	
	KARATHANE WD	Powdery mildew	1 to ? 1/? lbs./A		Do not use in California.

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CROP	CO-APPLIED FUNGICIDE	FOR IMPROVED CONTROL OF:	USE RATE PER APPLICATION	DITHANE ? SPECIAL FUNGICIDE USE RATE PER APPLICATION	REMARKS (ALSO REFER TO USE DIRECTIONS)
	KARATHANE LC		4 to 8 fl. ozs./100 gal.		
	BENLATE 50 WP		3/4 to 1 lb./A		
Melons	BENLATE 50 WP	Target spot Gummy stem blight Powdery mildew Anthracnose	4 to 8 ozs./A	? to 3 lbs./A	
	KARATHANE WD	Powdery mildew	8 to 12 ozs./A		Do not use in California.
	KARATHANE LC		3 to 4 fl. ozs./100 gal.		
	DIFOLATAN 80 SPRILLS	Gummy stem blight	? 1/2 pts./A		DIFOLATAN may not be used on squash or pumpkins.
Peppers	Fixed Coppers	Bacterial leaf spot	Manufacturers label use rate	1 to 3 lbs./A	
Potatoes	Triphenyl Tin Hydroxide (TPTH)	Early Blight	1/2 to full label use rate	1 1/2 to ? lbs./A	

CROP	CO-APPLIED FUNGICIDE	FOR IMPROVED CONTROL OF:	USE RATE PER APPLICATION	DITHAN. 22 SPECIAL FUNGICIDE USE RATE PER APPLICATION	REMARKS (ALSO REFER TO USE DIRECTIONS)
Pumpkins	Refer to melons				Do not use DIFOLATAN
Roses, Flowers, Ornamentals, and shade trees	BENLATE 50 WP	Powdery mildew Leaf spots	1/2-1 lb./100 gal.	1 1/2 lb./100 gal.	
	TOPSIN-M 70 WP				
	KARATHANE WD	Powdery mildew Mite suppression	6 to 8 oz./100 gal.		
Squash	Refer to melons				Do not use DIFOLATAN
Sugar Beets	BENLATE[a] 50 WP	Cercospora leaf spot	4 oz./A	1 1/2 to 2 lbs./A	
	TOPSIN-M[a] 70 WP				
	MERTECT 340-F[a]		6 fl. oz./A		
	Triphenyl Tin Hydroxide (TPTH)		1/2 to full label rate		
Tomatoes	Fixed Coppers	Bacterial leaf spot	Manufacturers label use rate	1 1/2 to 3 lbs./A	

CROP	CO-APPLIED FUNGICIDE	FOR IMPROVED CONTROL OF:	USE RATE PER APPLICATION	DITHANE M-22 SPECIAL FUNGICIDE USE RATE PER APPLICATION	REMARKS (ALSO REFER TO USE DIRECTIONS)
	DYRENE	Gray leaf spot	1/2 to 1 lb./A		
	BENLATE	Botrytis gray mold Sclerotinia white mold			

a) Do not use if fungal resistance to this fungicide is present in field to be treated or has been reported in the area.

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