# MAXIMUM \*WP AGRICULTURAL FUNGICIDE

# ACTIVE INGREDIENTS

**MANCOZEB** 

A coordination product of zinc ion and manganese ethylene bisdithiocarbamate...60.00%

In which the ingredients are

Manganese++.....12.0% Zinc++.....1.5%

Ethylene bisdithiocarbamate

ion (C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>S<sub>4</sub>)--.....46.5%

MYCLOBUTANIL

a-butyl-a-(4-chlorophenyl)-1H-1,2-4-triazole-1-propanenitrile......2.25%

INERT INGREDIENTS.....37.75%

TOTAL

ACCEPTED JUN 19 1997 Under the Federal Insecticide Fungicide, and Rodenticide Act. cs amended, for the pesticide EPA Reg. No.

**EPA REG NO. 707-235** 

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. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

# KEEP OUT OF REACH OF CHILDREN

### CAUTION

### STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with a plenty of water. Call a physician if irritation persists.

IF INHALED: Move victim to fresh air.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

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

#### PRECAUTIONARY STATEMENTS

# HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION
Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers (other than mixers or loaders) must wear:

•Coveralls over long-sleeved shirt and long pants

Waterproof gloves

Shoes plus socks

# Mixers and Loaders must wear:

•Coveralls over long-sleeved shirt and long pants •Waterproof gloves \*Shoes plus socks

•Chemical-resistant apron when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. During aerial application, human flaggers must be in enclosed cabs.

When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

User should

•Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

•Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to interdial areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or disposing of wastes. Do not apply when weather conditions favor drift or runoff from areas treated.

#### **DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENT

Use this product only in accordance with its labeling and with the Workers Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of

24 hours

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

Coveralls over long-sleeved shirt and long pants

Waterproof gloves

Chemical-resistant footwear

Protective eyewear

Chemical-resistant headgear for overhead exposure

## 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 during storage: decomposition, impaired activity, or fire may result. Keep container closed when not in use. Pallets of containers should not be stacked more than three high. Provide access aisle for each two rows. Decomposition produces a foul odor; if observed, check for hot containers and immediately remove to open areas for disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste

disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of 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 shave into containers for disposal or reworking. Keep dusting to a minimum. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

CONDITIONS OF SALE AND WARRANTY
Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purposes 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. Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Has and Seller. Risk such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions 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 HANDLING, STORAGE OR USE OF THIS PRODUCT.

#### GENERAL INFORMATION

MAXIMUM WP fungicide is a systemic, protectant and curative fungicide recommended for the control of specific diseases mentioned on this label. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program.

### USE RATE DETERMINATION FOR APPLES AND GRAPES

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

Under low disease conditions, minimum label use rates per application 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.

### USE RATE DETERMINATION FOR TURF AND ORNAMENTALS

For proper application, determine the number of sq. ft. to be treated, the recommended label use rate and the gallonage to be applied per 1000 sq. ft. Prepare only the amount of spray solution required to treat the measured area. Careful calibration of spray equipment is recommended prior to use.

When applied by hand sprayers, I level tablespoon per gallon spray solution is equivalent to a 1 lb. use rate.

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 MAXIMUM WP 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 1/2 the desired final water volume.

#### COMPATIBILITY

MAXIMUM WP 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 Cooperative Extension Service Specialists prior to actual use.

### SPRAY ADJUVANTS

The addition of agricultural surfactants to MAXIMUM WP 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:

A water-dispersible, resin-based nonionic surfactant that resists re-wetting and re-noval by rain. LATRON B-1956®

Effective with dilute sprays applied by ground equipment. 1 2

A spreader-binder designed specifically for use in concentrate and low yolume sprays applied by LATRON CS-7® aircraft or ground equipment.

Place MAXIMUM WP fungicide into suspension prior to adding an adjuvant to the spray mixture. Read and carefully observe the precautionary statements and all other information appearing on both product labels prior to spray preparation.

### APPLICATION

Ground- Thorough coverage sprays generally result in optimum disease control. To achieve good coverage use proper spray pressure, gallonage per acre, nozzles, 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 runoff.

Aerial- Apply in a minimum of 10 gallons of water per acre. Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.

Chemigation- Do not apply this product through any type of irrigation system.

#### DISEASE MONITORING

MAXIMUM WP fungicide is a systemic, protectant and curative fungicide. If not applied on a routine protectant spray schedule, crops should be scouted on a weekly basis. Fungicide applications 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 restriction prior to using MAXIMUM WP fungicide.

#### Foliar Applications

Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acre Per Season: If more than one product containing an EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season: If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

### Seed Treatment

In addition to the maximum number of foliar applications permitted by the formula stated above, a single application for seed treatment may be made on crops which have registered seed treatment uses.

APPLES- NOT INTENDED FOR USE ON FRUIT TREES BY HOMEOWNERS.
Use either the "Pre-Bloom" or "Extended Application" schedule. DO NOT COMBINE OR INTEGRATE THE TWO TREATMENT SCHEDULES. It is recommended that this product be used in an integrated Pest Management Program (IPM).

Diseases Controlled	Rate of MAXIMUM WP Per Application (LBS./Acre)	Remarks (Also Refer to Directions For Use)	Restrictions
Powdery Mildew Rusts Scab	8.0*	Pre-Bloom Use: Begin applications at 1/4 to 1/2 inch green tip and continue on a 7 to 10 day schedule through bloom.	Do not apply more than 8 lbs. (4.98 lbs. active) per acre per application, Do not apply after bloom. Do not apply more than 32 lbs. (19.92 lbs. active) per acre per year. Do not graze livestock in treated areas.
	4.0*	Extended Application Schedule: For implementation of IPM programs, applications based on tree-row volume, or for use as a resistance management tool, begin applications at 1/4 to 1/2 inch green tip and continue applications on a 7 to 10 day schedule through the second cover spray or to within 77 days of harvest.	harvest.  Do not apply more than 28 lbs. (17.43 lbs. active) per acre per year.  Do not graze livestock in treated areas.

<sup>\*</sup>Maximum per acre use rate based on thorough coverage dilute sprays.

# **GRAPES**

Diseases Controlled	Rate of MAXIMUM WP Per Application (LBS./Acre)	Remarks (Also Refer to Directions For Use)	Restrictions
Black Rot Bunch Rot Deadarm Downy Mildew Powdery Mildew	2 to 3 West of the Rocky Mountains  2 to 5 East of the Rocky Mountains	Apply in sufficient water to provide thorough coverage starting when shoots are 1/2 to 1 1/2 inches long. Repeat when shoots are 3 to 5 inches long, when shoots are 8 to 10 inches long, and then at 7 to 10 day intervals until fruit is set. For late season control of labeled diseases, the use of other approved and recommended fungicides are suggested.	In California, do not apply after bloom. In other areas, do not apply within 66 days of harvest.  West of the Rocky Mountains, do not apply more than 10 lbs. (6.23 lbs. active) per acre per season.  East of the Rocky Mountains, do not apply more than 30.8 lbs. (19.17 lbs. active) per acre per season.

# TURF

For golf courses, sod farms, industrial or municipal turf areas and professional applications to residential lawns. Not for use by homeowners.

Start application when grass greens-up in spring or when disease first appears and repeat at 10 to 14 day intervals or until disease threat is past. When conditions are especially favorable for disease development, apply maximum fungicide use rate on a 10 day spray schedule. Apply in sufficient water to provide adequate coverage.

CROP	DISEASES CONTROLLED	RATE OF MAXIMUM WP PER APPLICATION OZ./1000 SQ.FT.	REMARKS (Also refer to Directions For Use)	RESTRICTIONS
Assorted grasses	Helminthosporium melting-out Rust(leaf, stem, stripe)	6		Do not graze treated areas.  Do not use on grasses
				intended for grazing, such as range or pasture grasses.
	Copper spot Fusarium blight Powdery mildew Red thread Slime mold	6 to 10	,	Do not feed clippings to livestock.
	Algae	8		7
	Dollar spot Summer patch	8 to 10	Apply on a 14 to 21 day spray schedule.	Do not use on grasses grown for seed.
	Anthracnose Leaf smuts Powdery mildew Septoria leaf spot	8 to 10		
	Rhizoctonia brown patch	10		
	Pythium blight	10	Apply at 5 day intervals, or more frequently, if conditions are especially favorable for disease development	
	Fusarium snow mold	8 to 10	Apply at 2 to 6 week intervals during winter.	

ORNAMENTALS- Neither the manufacturer nor the seller has determined the effects of using MAXIMUM WP fungicide

on ornamentals not specified on this label.

Prior to any large-scale applications on such plants, the user should determine the effects of MAXIMUM WP fungicide by testing a small section of the type of plants treated. User assumes all risk arising out of application to unlabeled plants. The Conditions of Sale and Warranty apply to all uses.

For outdoor or greenhouse use, apply the equivalent of 2 lbs. MAXIMUM WP fungicide per 100 gals. dilute spray. The

addition of LATRON 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

CROP	DISEASES CONTROLLED	REMARKS(Also refer to Directions for Use)	RESTRICTIONS
African violet	Botrytis blight Powdery mildew		Do not use for food or feed purposes.
Anthurium	Anthracnose, spadix rot		(applies to all Ornamental uses.)
Arborvitae	Cercospora blight		
Ash, mountain	Entomosporium leaf spot Guignardia leaf blotch Rust		
Ash, white	Anthracnose Cylindrosporium leaf spot Rust		
Aster, perennial	Puccinia rusts		]
Aucuba, japonica	Alternaria leaf spot Anthracnose		
Azalea	Cylindrocladium rot Petal blight Phytopthora twig and bud blight Powdery mildew	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly spray ground under bushes.	
Begonia	Botrytis blight Powdery Mildew		
Buffaloberry	Cylindrosporium leaf spot		
Camellias	Petal blight	Refer to Azalea.	]
Carnation	Rust Powdery mildew Septoria leaf spot		
Cedar, red (Juniper)	Cercospora blight Phomopsis blight		
Chrysanthemum	Ascochyta blight Botrytis petal spot Rust	Apply twice weekly during blooming period.	
Conifers	Lophodermium needle cast Pine gall rust Scirrhia brown spot	Begin application in spring or early summer before infection occurs. Repeat after heavy rains and at two week intervals as long as needed.	
Cordyline	Cercospora leaf spot		
Crabapple (Ornamental)	Cedar-apple rust Powdery mildew Scab		
	Sphaeropsis leaf spot		
Cypress, Arizona (Cupressus sp.)	Cercospora blight Monochaetia canker		

ORNAMENTALS -cont'd-

CROP	DISEASES CONTROLLED	REMARKS (Also Refer to Directions For Use)	RESTRICTIONS
Dahlia	Botrytis blight Powdery mildew		
Dieffenbachia	Leptosphaeria brown spot		1
Dogwood,	Anthracnose	Apply when buds begin to open, when	1
flowering	Elsinoe leaf spot	bracts have fallen, 4 weeks later and	
J	Powdery mildew	again in late summer after flower buds	
	Septoria leaf spot	for next season have formed.	
Dracaena	Fusarium leaf spot		1
Elm	Black leaf spot		1
	Powdery mildew		i
Euonymus	Anthracnose		1
	Powdery mildew		
Fatsia	Anthracnose		1
Fern	Rhizoctonia blight		1
Ficus	Cercospora leaf spot	,	1
Firethorn	Fusicladium scab		1
(pyracantha)	2 distribution search		
Fir, Douglas	Swiss needle cast		1
Fuchsia	Botrytis blight		1
Fucisia	Rust		
Geranium	Powdery mildew Rust		
Gladiolus	Botrytis blossom blight	Make regular weekly applications	1
	Curvularia leaf spot	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.	_
Hawthorn	Cedar-apple rust		
	Fabraea leaf spot		
	Frogeye leaf spot		
	Hawthorn rust		
	Powdery mildew		
	Scab		
Holly	Purple spot		<b>}</b>
Hollyhock	Anthracnose		
	Cercospora leaf spot		
	Powdery mildew	ł	
77	Puccinia rust		ļ
Honeysuckle	Herpobasidium blight Powdery mildew		
Horsechestnut,	Alternaria leaf spot		1
Buckeye	Guignardia leaf blotch		
Hydrangea	Botrytis blight		1
	Cercospora leaf spot		
<b>Iri</b> s	Didymellina leaf spot		
	Mystrosporium ink spot		(
	Rust		
Juniper	Phomopsis blight	· · · · · · · · · · · · · · · · · · ·	1
Laurel, mountain	Cercospora leaf spot	Refer to azalea.	1
	Petal blight		<u> </u>

ORNAMENTALS -cont'd-

CROP	DISEASES CONTROLLED	REMARKS(Also refer to Directions For Use)	RESTRICTIONS
Ligustrum	Cercospora leaf spot		
Lily	Botrytis blight		
Magnolia	Gloeosporium leaf spot		
Maple	Alternaria leaf spot Phyllosticta leaf spot Powdery mildew		Do not use on Sugar maples intended for the production of maple syrup.
Marigold	Botrytis blossom blight Cercosporia leaf spot Rust	Do not use on French dwarf double or Signet type marigold seedlings.	
Narcissus	Botrytis blight (fire) Smoulder		
Oak	Actinopelte leaf spot Taphrina leaf blister		
Orchid (Dendrobium)	Botrytis blossom blight		
Pachysandra	Volutella blight	Use a drenching spray of 2 lbs. per 50 gallons of water per 5,000 sq. ft. of bed. Start applications at first sign of disease and apply at least 5 applications at 10 to 14 day intervals.	
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.	
Peperomia	Cercospora leaf spot		
Philodendron	Dactylaria leaf spot Phytophthora leaf spot		
Photinia	Entomosporium leaf spot Powdery mildew Rust		
Pleomele	Fusarium leaf spot		
Poinsettia	Sphaceloma scab Powdery mildew		
Rhododendron	Cercospora leaf spot Discosia leaf spot Petal blight Powdery mildew	Refer to azalea.	
Rose	Black spot Cercospora leaf spot Rust Powdery mildew		
Schefflera	Alternaria blight		,
Skunkbush, sumac	Cylindrosporium leaf spot		
Snapdragon	Rust Powdery mildew	,	
Statice	Cercospora frogeye		
Syngonium	Cephalosporium leaf spot		

ORNAMENTALS - cont-

CROP	DISEASES CONTROLLED	REMARKS (Also refer to Directions For Use)	RESTRICTIONS
Tulip	Botrytis blight (fire)		
Venus, flytrap	Anthracnose		
Viburnum	Downy mildew Powdery mildew Ramularia leaf spot		
Walnut	Anthracnose Powdery mildew		Do not use treated walnuts for food or feed purposes.
Zinnia	Alternaria leaf blight Cercospora leaf spot Powdery mildew		

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-MO 5/20/97