

Specimen Label



Fore^{*} 80WP

Rainshield^{*}

Specialty Fungicide

*Trademark of Dow AgroSciences LLC

Product in Water-Soluble Packets

Active Ingredients

mancozeb: A coordination product of zinc ion
and manganese ethylene bisdithiocarbamate 80.0%

In which the ingredients are:

Manganese ⁺⁺	16.00%
Zinc ⁺⁺	2.00%
Ethylene bisdithiocarbamate ion (C ₄ H ₆ N ₂ S ₄) ⁻⁻	62.00%
Inert Ingredients	20.0%
Total	100.0%

EPA Reg. No. 62719-388

Keep Out of Reach of Children

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

May Cause Irritation Of Nose, Throat, Eyes And Skin

Do not breathe dust or spray mist.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category "A" on an EPA chemical resistance category selection chart.

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

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Mixers and loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear
- 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 for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use enclosed cabs or aircraft in a manner that meet the requirements listed in the Worker Protection Standard (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

Users 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.

First Aid

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

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 intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or disposing of wastes.

Notice: Read the entire label. Use only according to label directions.

Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies elsewhere on this label. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

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

Read all Directions for Use carefully before applying.

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 Requirements

Use this product only in accordance with its labeling and with the Worker 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Seed treatments and professional applications to golf courses, industrial (office park), and municipal lawns are not within the scope of the Worker Protection Standard.

- **Keep unprotected persons out of treated area until sprays have dried.**

Storage and Disposal

Storage: Keep away from fire and sparks. Do not allow this product to become wet or overheated in 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 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. Refer to Precautionary Statements.

General Use Information

Fore* 80WP Rainshield* specialty fungicide is a unique and different broad-spectrum protectant fungicide that, when used according to label directions, provides high levels of disease control.

Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program. The addition of an spreader-sticker will improve fungicide performance by providing a more uniform spray deposit, increased foliar redistribution, and improved fungicide retention during periods of wet weather.

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

Use Rate Determination

Carefully read, understand, and follow label use rates and restrictions. Under low disease conditions, minimum label rates per application can be used while maximum label rates and the minimum interval may be used for severe or threatening disease conditions.

For proper application to turf, determine the square footage to be treated, divide the footage by 1000, and multiply by the recommended fungicide use rate per 1000 sq ft, and then determine the amount of water required to provide adequate coverage. When treating ornamentals, determine the recommended fungicide use rate and the spray gallonage required to provide a thorough coverage. Prepare only the amount of spray solution required to treat the desired area.

Handling

The enclosed packets of Fore 80WP are water-soluble. Do not allow packets to become wet prior to adding to the spray tank. Do not handle the packets with wet hands or wet gloves. Always reseal overwrap bag to protect the remaining unused packets. Do not remove the water-soluble packets from over-wrap packaging, except to add directly to the spray tank.

Mixing Procedures

Prior to use, make sure the sprayer is clean and not contaminated with other materials. When using an agitated spray tank, fill the tank 1/2 to 3/4 full with clean water and start agitation. Be certain that the agitation system is working properly and creates a rolling rippling on the liquid surface. With the agitator running add the required amount of Fore 80WP to the tank. Continue filling tank with the remainder of the water. Always add Fore 80WP into solution prior to adding any additional materials to the tank.

Add the required number of unopened packets as determined by the dosage recommendations into the spray tank with agitation. Depending on the water temperature and the degree of agitation, the packets should dissolve completely within approximately five minutes from the time they are added to the water.

Compatibility

Fore 80WP is compatible with boron and spray oils; however, the water-soluble packets must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

Fore 80WP 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.

The physical spray compatibility of specific tank mixes can be checked by preparing a sample suspension in a glass container and observing the suspension for any adverse effects, which might interfere with proper spray application.

Spray Adjuvants

The addition of a surfactant to sprays containing Fore 80WP will improve initial spray deposits, fungicide redistribution and weatherability. Place Fore 80WP 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

Fore 80WP is a protectant fungicide. Optimum disease control is achieved with thorough coverage sprays applied on a regular schedule.

Hand Sprayers: Thoroughly spray plant foliage until runoff. When Fore 80WP is applied by a hand sprayer, 1 pound Fore 80WP per 100 gallons is equivalent to 1 level tablespoon per gallon spray solution.

Disease Scouting

Fore 80WP is a broad-spectrum protectant fungicide. If not applied on a routine protectant spray schedule, turf and ornamental plants should be frequently observed for disease signs or symptoms. Fungicide application should be made at the recommended label use rate and spray schedule, when disease is first observed, reported in local area, or during environmental conditions favorable for disease development.

Restrictions

Users should carefully read, understand, and follow all use restrictions prior to using Fore 80WP.

Use Directions for Turf

For use on golf courses, sod farms, and industrial or municipal turf areas. Not for use by homeowners.

Each 24 ounce water-soluble packet will treat 6000 square feet at the 4 ounce rate, 4000 square feet at the 6 ounce rate, and 3000 square feet at the 8 ounce rate.

Start application when grass greens-up in spring or when disease first appears and repeat at 7 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 7-day spray schedule. Apply in sufficient water to provide adequate coverage.

Turf Tolerance

Treated turfgrass should be maintained in a vigorous growing condition. Turfgrass under stress will not respond as well to fungicide treatments as well-maintained turfgrass. Turfgrass tolerance to this product has been found to be acceptable; however, this product and tank mixtures with other products have not been tested on all varieties of every turfgrass species or under all possible growing conditions. If user is unfamiliar with the performance of Fore 80WP fungicide or tank mixtures, under user growing conditions, a limited area of turfgrass should be treated prior to initiating large-scale applications. The user should always exercise reasonable judgment and caution when using this product.

Crop	Diseases Controlled	Rate of Fore 80WP (oz/1,000 sq ft)	Remarks (Also refer to directions for use)	Restrictions
assorted grasses	helminthosporium melting-out rust (leaf, stem, stripe)	4		Do not graze treated areas.
	copper spot fusarium blight red thread slime mold	4 to 8		
	algae	6		Do not use on grasses intended for grazing, such as range or pasture grasses.
	dollar spot	6 to 8		
	rhizoctonia brown patch	4	Apply on a 7-day spray schedule.	Do not feed grass clippings to livestock.
	pythium blight	8	Apply at 5 day intervals, or more frequently, if conditions are especially favorable for disease development	
	rapid blight (a putative chytridiomycete fungus)	8	Apply at a 14-day interval if conditions are favorable for disease development.	Do not use on grasses grown for seed.
	fusarium snow mold	6 to 8	Apply at 2 to 6 week intervals during winter.	
	gray leaf spot	8	Apply at 14-day intervals if conditions are favorable for disease development.	

Use Directions for Ornamentals

Not intended for use on fruit trees by homeowners.

Neither the manufacturer nor the seller has determined the effects of using Fore 80WP on ornamentals not specified on this label. Prior to any large-scale applications on such plants, the user should determine the effects of Fore 80WP 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 1 1/2 lb of Fore 80WP per 100 gallons of dilute spray (1 1/2 lbs Fore 80WP per acre). 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 plants:

Crop	Diseases Controlled	Remarks (Also refer to Directions for Use)	Restrictions
African violet	botrytis blight		Do not use for food or feed purposes (applies to all ornamental uses).
ageratum	botrytis blight rust		
almond (ornamental)	leaf spot		
alyssum	leaf spot		
anthurium	anthracnose, spadix rot		
apple (ornamental)	fabraea leaf spot rust scab		Do not use on food or feed.
arborvitae	cercospora blight		
areca Palm	leaf spot		
ash, mountain	entomosporium leaf spot guignardia leaf blotch		
ash, white	anthracnose cylindrosporium leaf spot		
aster	leaf spot		
aster, perennial	puccinia rusts		
aucuba, japonica	alternaria leaf spot anthracnose		
azalea	cylindrocladium rot petal blight phytophthora twig and bud blight	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.	

Crop	Diseases Controlled	Remarks (Also refer to Directions for Use)	Restrictions
bougainvillea	leaf spot		
begonia	botrytis blight		
boxwood	leaf spot		
buffaloberry	cylindrosporium leaf spot		Do not use fruit for food or feed purposes.
camellias	petal blight	Refer to azalea.	
carnation	rust septoria leaf spot		
cedar, red (juniper)	cercospora blight phomopsis blight		
chrysanthemum	ascochyta blight botrytis petal spot rust	Apply twice weekly during blooming period.	
cockscomb (<i>Celosia</i>)	alternaria leaf spot		
conifers (Christmas trees)	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 scab sphaeropsis leaf spot		
cypress, Arizona (<i>Cupressus</i> sp.)	cercospora blight monochaetia canker		
dahlia	botrytis blight		
delphinium	botrytis blight		
dieffenbachia	leptosphaeria brown spot		
dogwood, flowering	anthracnose elsinoe leaf spot septoria leaf spot	Apply when buds begin to open, when bracts have fallen, 4 weeks later and again in late summer after flower buds for next season have formed.	
dracaena	fusarium leaf spot		
elm	black leaf spot		
euonymus	anthracnose		
fatsia	anthracnose		
fern	rhizoctonia blight		
figus	cercospora leaf spot		
fig	cylindrocladium leaf spot		
firethorn (<i>pyracantha</i>)	fusicladium scab		
fir, Douglas	Swiss needle cast		
fir, fraser	Swiss needle cast		
fuchsia	botrytis blight rust		
geranium	rust		
gladiolus	botrytis blossom blight curvularia leaf spot	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.	
gloxinia	botrytis blight		
gyssophila	botrytis blight		
hawthorn	cedar-apple rust fabraea leaf spot frog-eye leaf spot hawthorn rust scab		
hickory	gnomonium leaf spot		

Crop	Diseases Controlled	Remarks (Also refer to Directions for Use)	Restrictions
holly	purple spot		
hollyhock	anthracnose cercospora leaf spot puccinia rust		
honeysuckle	herpobasidium blight		
horsechestnut, buckeye	alternaria leaf spot guignardia leaf blotch		
hydrangea	botrytis blight cercospora leaf spot		
impatiens	botrytis blight		
iris	didymellina leaf spot mycosphaerella leaf spot mystrosporium ink spot	(formerly didymellina)	
juniper	phomopsis blight		
larkspur	rust		
laurel, mountain	cercospora leaf spot petal blight	Refer to azalea.	
ligustrum	cercospora leaf spot		
lily	botrytis blight		
magnolia	gloeosporium leaf spot		
maple	alternaria leaf spot phyllosticta leaf spot		Do not use on sugar maples intended for the production of maple syrup.
marigold	botrytis blossom blight	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 (<i>Dendrobium</i>)	botrytis blossom blight		
oxalis	rust		
pansy	anthracnose		
pears (ornamental)	fabraea leaf spot rust scab		
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		
petunia	botrytis blight		
philodendron	dactylaria leaf spot phytophthora leaf spot		
phlox	leaf spot		
photinia	entomosporium leaf spot		
pine, Australia	cyclaneusma needle cast		
pine, Scotch	cyclaneusma needle cast gall rust		
pittosporum	alternaria leaf spot		
pleomele	fusarium leaf spot		
poinsettia	sphaceloma scab		
poplar	rust		
primrose	botrytis blight		
protea	botrytis blight		
quince (ornamental)	fabraea leaf spot rust scab		

Crop	Diseases Controlled	Remarks (Also refer to Directions for Use)	Restrictions
rhododendron	cercospora leaf spot discosia leaf spot petal blight	Refer to azalea.	
rose	black spot cercospora leaf spot rust		
rosemary	rhizoctonia aerial blight		
schefflera	alternaria blight		
Scotts pine	needle cast		
skunkbush, sumac	cyindrosporium leaf spot		
snapdragon	rust		
spathiphyllum	myrothecium leaf spot		
statice	cercospora frog-eye		
strawflower	rust		
syngonium	cephalosporium leaf spot		
thorn apple	rust		
tulip	botrytis blight (fire)		
venus, flytrap	anthracnose		
viburnum	downy mildew ramularia leaf spot		
walnut	anthracnose		Do not use treated walnuts for food or feed purposes.
zinnia	alternaria leaf blight		

ATTENTION: This product contains mancozeb and ETU, chemicals known to the State of California to cause cancer. ETU is also known to the State of California to cause birth defects or other reproductive harm.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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Made in France

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

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Revisions:

1. Deleted uses on residential lawns.
2. Deleted pachysandra from ornamentals.