



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 31, 2019

Luz G Chan
Registration Manager
Drexel Chemical Company
1700 Channel Avenue
Post office Box 13327
Memphis, Tennessee 38113-0327

Subject: Label Amendment for Captan: Deletion of following uses per Federal Register cancellation order published 12/26/2017: Turf, sod farms, golf course, lawn seedbed, soil and greenhouse bench treatments
Product Name: Drexel Captan 80 WDG
EPA Registration Number: 19713-652
Application Date: April 13, 2017
Decision Number: 551225

Dear Ms. Chan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with the Federal Register cancellation order published December 26, 2017, you are permitted to sell or distribute products under the previously approved labeling for a period of 18 months after the date of the Federal Register publication of the cancellation order (i.e., 18 months after December 26, 2017). After this 18-month period, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false

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or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions about this letter, please contact Jaclyn Pyne by phone at 703-347-0445, or via email at pyne.jaclyn@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

ACCEPTED

May 31, 2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 19713-652

GROUP M FUNGICIDE

Drexel

Captan 80 WDG

Fungicide

A fungicide for plant disease control.

ACTIVE INGREDIENT:

Captan 80.0%

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%

**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-652

EPA Est. No. 19713-GA-1

Net Content: ____ Lbs. (____ Kg)

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 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 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 or convulsing person.

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 ON SKIN OR CLOTHING:

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-494-9300 for emergency medical treatment information.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

652MSP-0417*P

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed or if inhaled. Do not get in eyes or on clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are any waterproof material (refer to category A on an EPA chemical-resistance selection chart). If you want more options, follow the instructions for category A on the EPA chemical-resistance selection chart.

All mixers, loaders, applicators, and other handlers (including handlers participating in seeding and transplanting as part of root-dip treatments) must wear: Long-sleeved shirt and long pants, shoes plus socks, protective eyewear (goggles, safety glasses or face shield), chemical-resistant gloves made of any waterproof material (except applicators driving motorized equipment) such as polyethylene or polyvinyl chloride, and chemical-resistant apron when participating in dip treatments, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets 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: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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 chemical is toxic to fish. Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

RESISTANCE MANAGEMENT

GROUP M FUNGICIDE

This product is a Group M* fungicide. Fungal isolates with acquired resistance to Group M fungicide may eventually dominate the fungal population if Group M fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group M fungicides.

To delay fungicide resistance, consider:

- Avoiding consecutive use of this product or other target site of action Group M fungicides that have a similar target site of action on the same pathogens.
- Using tank mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

*The multi-site activity grouping, designated by the symbol "M", comprises a collection of various chemicals that act as general toxophores with several sites of action. These sites may differ between group members.

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 REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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), restricted entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with each crop.

Eye-Protection: To mitigate eye irritation concerns from post-application exposures, the Agency is requiring that, for at least 7 days following the application of captan:

1. At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required contamination site for workers entering the area treated with captan, and
2. Workers must be informed orally, in a manner they can understand:
 - that residues in the treated area may be highly irritating to their eyes,
 - that they should take precautions, such as refraining from rubbing their eyes,
 - that if they do get residues in their eyes, they should immediately flush their eyes with eyeflush container that is located at the contamination site, and
 - how to operate the eye flush container.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

Double Notification: Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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.

Entry Restrictions: Do not allow people or pets to enter treated areas until sprays have dried. For post-application fruit dips, do not contact or allow others to contact the treated fruit until the treatment solution on the fruit has dried.

Read all precautions and directions for use before using. Use only for claims listed and only as specified on this label.

Do not apply or allow to drift to adjoining food, fiber or pasture crops. Drift of captan on sensitive crops (e.g. D'Anjou pears) can cause severe phytotoxicity and crop loss.

SPRAY DRIFT MANAGEMENT

Do not allow this product to drift.

Foliar Spray Drift Management

Avoiding spray drift from foliar applications is the responsibility of the applicator. Similar to aerial spray drift, the interaction of many equipment- and-weather-related factors determine the potential for spray drift from foliar applications. To protect water resources, the applicator and the grower are responsible for considering all these factors when making decisions.

Aerial Spray Drift Management

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed three-fourths the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the *"Aerial Drift Reduction Advisory Information"*.

Aerial Drift Reduction Advisory

This section is advisory in nature and does not supersede the mandatory label requirements.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see *Wind, Temperature and Humidity, and Temperature Inversions*).

Controlling Droplet Size

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles - Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than three-fourths of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is recommended for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a cross-wind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Consult State Agricultural Experiment stations or State Agricultural Extension Service for additional information as the time of applications needed will vary with the local conditions.

COMPATIBILITY AND PLANT SAFETY

CAPTAN 80 WDG can be combined safely and effectively at specified rates with most commonly used fungicides and insecticides, with the exception of oil and strongly alkaline materials. Alkaline materials such as spray lime, lime-sulfur and Bordeaux mixture will reduce the fungicidal activity of this product. Do not apply this product in combination with or immediately before or closely following oil sprays. Do not allow oil sprays on adjacent crops to drift onto crops which have been or will shortly be treated with this product. Due to general climatic conditions, the time factor governing the safe interval between this product and oil sprays varies, therefore, consult local agricultural spray programs and authorities to determine the proper timing. The use of spreaders which cause excessive wetting is not advised. Combinations with solvent formulations of organic phosphates should not be used. Combinations of this product and sulfur should not be used on crops sensitive to sulfur. Used at high rates or in drenching sprays, this product may cause a necrotic spotting of tender, immature leaves of certain varieties of Apples, Peaches, Plums and Cherries. This type of injury is most likely to occur in the early cover sprays during long periods of warm, cloudy, humid weather. To avoid the hazard of leaf spotting under such conditions, use this product and other spray materials at lowest specified rates and avoid drenching trees.

APPLICATION INFORMATION

Applications can be made by aircraft or ground power equipment (including concentrate and semi-concentrate equipment). Pour label specified amount of this material into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Do not combine with emulsifiable liquids or wettable powders unless previous experience has proven them to be physically compatible and safe to plants.

For aerial or concentrate spray applications, apply the same amount of this product per acre as would normally be applied for dilute spray applications. Apply aerial or concentrate sprays in sufficient water for coverage.

CHEMIGATION

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

USE PRECAUTIONS

Except as specified, begin applications before or at first sign of disease and repeat as needed to maintain control, but observe use limitations. Unless otherwise specified, application can be made on the day of harvest. Maximum application is for a crop cycle. Crop cycle is defined as pre-bloom through post-harvest. Apply the high rate and/or spray at shorter intervals when climatic conditions most favor disease(s). Apply the low rate and/or spray at larger intervals when climatic conditions least favor disease(s). If you are unaware of the climatic conditions favorable for disease(s) claimed for the specific use sites, you must consult with your State Agricultural Extension Service to learn of these conditions.

IMPORTANT: Read label carefully. Although most of the directions on this label may be followed nationwide, a few are limited to either the Eastern or Western U.S. Follow those directions for your growing area where specified.

FRUIT AND NUT CROPS

| Crop | Disease(s) | Rate Per Acre (Lbs.) |
|---|---|----------------------|
| Almonds (REI = 24 hrs.) | Anthracnose, Brown rot, Leaf blight, Scab, Shothole, Twig and Blossom blight | 2.5 to 5.6 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 300 gallons of water using ground equipment or in 5 to 20 gallons of water by air. Use 3.75 to 5.6 pounds per acre when captan is used alone. To reduce the potential for disease resistance development to other fungicides having a similar spectrum, this product may be used in a tank mix at a rate of 2.5 to 3.75 pounds per acre. Apply at popcorn, bloom, petal fall, post petal fall, and full cover sprays. For control of anthracnose, use in a disease and resistance management program of rotational sprays with other approved materials. | |
| Do not apply more than 5.6 pounds per acre per application. Do not apply more than 25 pounds of this product per acre per crop cycle. Do not apply within 30 days of harvest. Hulls may be fed to livestock. | | |
| Apples (Eastern U.S.) (REI = 24 hrs.) | Black rot (Frogeye), Botrytis blossom end rot, Primary scab | 5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 400 gallons of water using ground equipment or in 5 to 20 gallons of water by air. Apply at 5 to 7 day intervals as needed to maintain control in pre-bloom, bloom, petal fall, and first cover sprays. | |
| | Bitter rot, Black pox, Black rot, Botryosphaeria rot, Brooks fruit spot, Fly speck, Secondary scab, Sooty blotch | 2.5 to 5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 400 gallons of water using ground equipment or in 5 to 20 gallons of water by air. Apply at 10 to 14 day intervals in second and later cover sprays. | |
| If Powdery mildew is a problem, add 6 to 12 pounds of sulfur per acre to all post-bloom sprays until foliage matures. Do not use this product in combination with or closely following or in alternation with wettable sulfur products on sulfur-sensitive varieties of Apples, such as Red Delicious, Staymen, Baldwin, King as severe injury and defoliation may occur. Do not apply more than 5 pounds per acre per application. Do not apply more than 40 pounds of this product per acre per crop cycle. May be applied up to the day of harvest. | | |
| Apples (Western U.S.) (REI = 24 hrs.) | Primary scab | 2.5 to 5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 400 gallons of water per acre using ground equipment or in 5 to 20 gallons of water by air. To reduce the potential for disease resistance development to other fungicides having a similar spectrum, the lower rate may be used in tank mixtures. Secondary scab - In mid-Summer cover sprays, the dosage may be reduced to 2.5 pounds per acre. | |
| | Botrytis rot, Bull's eye rot (Pacific Northwest) | 3.75 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 400 gallons of water using ground equipment or in 5 to 20 gallons of water by air. Make 1 or 2 applications with late cover sprays and one final spray prior to harvest. | |
| Do not apply more than 5 pounds per acre per application. Do not apply more than 40 pounds of this product per acre per crop cycle. May be applied up to day of harvest. | | |
| Apricots (REI = 24 hrs.) | Brown rot (Twig blight), Jacket rot | 1.8 to 3 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 250 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Apply in red bud, bloom, and 75% petal fall sprays. To reduce potential for disease resistance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures. | |
| Do not apply more than 3 pounds per acre per application. Do not apply more than 15.6 pounds of this product per acre per crop cycle. May be applied up to day of harvest. | | |

(Continued)

(Continuation)

| Crop | Disease(s) | Rate Per Acre (Lbs.) |
|---|---|----------------------|
| Blackberries, Dewberries Raspberries (REI = 48 hrs.) | Anthracnose, Botrytis, Spur blight | 2.5 |
| | SPECIFIC DIRECTIONS: Apply when blossoms are in bud (young canes are 8 to 10 inches long). Make a second application two weeks later. Apply a Fall spray after old canes are removed. | |
| | Fruit rot | 2.5 |
| | SPECIFIC DIRECTIONS: Apply at early bloom (5 to 10% bloom) and again at full bloom. Additional applications can be made at 10 to 14 day intervals as needed. Apply as indicated above in 45 to 100 gallons of water per acre. Use the higher volume as foliage increases. | |
| Do not apply more than 2.5 pounds per acre per application. Do not apply more than 12.5 pounds of this product per acre per season. Do not apply within 3 days of harvest. | | |
| Blueberries (Eastern U.S.) (REI = 48 hrs.) | Berry rot, Botrytis gray mold, Mummy berry | 3 |
| | SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage or in minimum of 5 gallons of water by air. Start spray program when buds swell and earliest buds have loose scales. Repeat at 7 day intervals through blossom period. Repeat at 7 to 10 day intervals from late bloom. | |
| Blueberries (Western U.S.) (REI = 48 hrs.) | Berry rot, Botrytis gray mold, Mummy berry | 1.25 to 3 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water by ground or in 5 to 20 gallons of water by air. Begin at mid-bloom, repeat at 7 to 10 day intervals until maturity. | |
| To All Blueberries: Do not apply more than 3 pounds per acre per application. Do not apply more than 43.75 pounds of this product per acre per crop cycle. May be applied up to day of harvest. | | |
| Cherries (Eastern U.S.) (REI = 24 hrs.) | Botrytis rot, Brown rot, Leaf spot | 2.5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control Blossom blight. Repeat applications at 7 to 20 day intervals as needed to maintain control up to start of harvest. If Powdery mildew is a problem, add 6 pounds of sulfur per acre to the petal fall, shuck and early cover sprays. If sulfur is added, this product may be reduced to 1.25 pounds per acre in these sprays. Post-harvest Sprays: Leaf spot - Apply 2.5 pounds of this product per acre per crop cycle in 20 to 200 gallons of water using ground equipment. Apply immediately after harvest and repeat application in 10 to 14 days. | |
| Cherries (Western U.S.) (REI = 24 hrs.) | Blossom blight, Brown rot, Brown rot (Fruit), Leaf spot | 1.8 to 2.5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays. | |
| To All Cherries: Do not apply more than 2.5 pounds per acre per application. Do not apply more than 17.5 pounds of this product per acre per crop cycle. Pre-harvest sprays maybe applied up to day of harvest. | | |
| Grapes (Except CA) (REI = 48 hrs.) | Downy mildew, Phomopsis cane and leaf spot, Suppression of Black rot | 1.25 to 2.5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water using ground equipment or in 7 to 20 gallons of water by air when shoots are one-half to 1.5 inches long, when shoots are 3 to 5 inches long, and when shoots are 9 to 12 inches long. Repeat just before bloom, immediately after bloom and continue at 10 to 14 day intervals as long as disease conditions persist. Use the lower rate when spraying less susceptible Grape varieties or when conditions are less favorable for disease development. Use the higher rate on susceptible Grape varieties and during periods of weather highly favorable for disease development. | |
| | Bunch rot (Botrytis) | 2.5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water using ground equipment or in 7 to 20 gallons of water by air. Make 2 applications before bloom and one immediately after bloom. Repeat periodically making 3 cover applications before the bunches close. | |
| Grapes (CA) (REI = 48 hrs.) | Bunch rot (Botrytis) | 2.5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water using ground equipment or in 7 to 20 gallons of water by air. Make 2 applications before bloom and one immediately after bloom. Repeat periodically making 3 cover applications before the bunches close. | |
| | Phomopsis cane and leaf spot (current season infection) | 2 to 2.5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 200 gallons of water using ground equipment or apply 2.5 pounds of this product per acre in 7 to 20 gallons of water by air. Apply first spray when green tissue begins to show, but before shoots are 1 inch long and repeat application when shoots are 6 to 8 inches long. | |
| To All Grapes: Do not apply more than 2.5 pounds per acre per application. Do not apply more than 15 pounds of this product per acre from bloom through post-harvest. Preharvest sprays may be applied up to day of harvest. | | |

(Continued)

(Continuation)

| Crop | Disease(s) | Rate Per Acre (Lbs.) |
|---|--|----------------------|
| Nectarines (REI = 24 hrs.) | Brown rot, Scab | 2.5 to 5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 250 gallons of water using ground equipment or in 10 to 20 gallons of water by air. To reduce the potential for disease resistance development to other fungicides having a similar spectrum, use the lower rate in tank mixes. Apply in full pink, bloom, petal fall, shuck, cover, and pre-harvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control Blossom blight. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications throughout harvest if conditions favor Brown rot. If Powdery mildew is a problem, add 7.5 pounds of sulfur per acre to the petal fall, shuck, and early cover spray. If sulfur is added, this product may be reduced to 1.6 pounds per acre in these sprays. | |
| | Coryneum blight (Peach blight, Shothole) | 2.5 to 5 |
| SPECIFIC DIRECTIONS: Apply in 20 to 250 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Apply in pink bud, full bloom, petal fall and cover sprays as necessary and as a post-harvest spray (but before leaves drop). | | |
| Do not apply more than 5 pounds of this product per acre per application. Do not apply more than 30 pounds of this product per acre per cycle including post-harvest sprays. Pre-harvest sprays may be applied up to day of harvest. | | |
| Peaches (REI = 24 hrs.) | Brown rot, Scab | 2.5 to 5 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 400 gallons of water using ground equipment or in 10 to 20 gallons of water by air. To reduce the potential for disease resistance development to other fungicides having a similar spectrum, use the lower rates in tank mixes. Apply in full pink, bloom, petal fall, shuck stages, and in cover and pre-harvest sprays. When conditions are favorable, make applications at 3 to 4 day intervals during bloom to control Blossom blight. Then repeat application at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown rot. If Powdery mildew is a problem, add 12 pounds of sulfur per acre to the petal fall, shuck, and early cover spray. If sulfur is added, this product may be reduced to 2.5 pounds per acre in these sprays. | |
| | Coryneum blight (Peach blight, Shothole) | 5 |
| SPECIFIC DIRECTIONS: Apply in 20 to 400 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Apply in pink bud, full bloom, petal fall stages, and cover sprays as necessary and as a post-harvest spray (but before leaves drop). | | |
| Do not apply more than 5 pounds per acre per application. Do not apply more than 40 pounds of this product per acre per crop cycle including post-harvest sprays. Pre-harvest spray may be applied up to day of harvest. | | |
| Plums, Fresh Prunes (Eastern U.S.) (REI = 24 hrs.) | Brown rot | 3.75 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 300 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Apply in full pink, bloom, and petal fall sprays. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown rot. The addition of a neutral spreader has improved coverage. | |
| Plums, Fresh Prunes (Western U.S.) (REI = 24 hrs.) | Brown rot | 2.5 to 3.75 |
| | SPECIFIC DIRECTIONS: Apply in 20 to 300 gallons of water using ground equipment or in 10 to 20 gallons of water by air. Use lower rate when tank mixes with fungicides of similar spectrum of activity are used. Apply at green bud, popcorn, bloom, and petal fall stages. Repeat in cover sprays as conditions warrant. | |
| | Prune russet scab (Lacy scab) | 2.5 to 3.75 |
| SPECIFIC DIRECTIONS: Apply in 20 to 300 gallons of water using ground equipment. Apply at full bloom. | | |
| To All Plums, Fresh Prunes: Do not apply more than 3.75 pounds per acre per application. Do not apply more than 33.75 pounds of this product per acre per crop cycle. May be applied up to day of harvest. | | |
| Strawberries (REI = 24 hrs.) | Botrytis (Gray mold), Leaf spot | 1.8 to 3.75 |
| | SPECIFIC DIRECTIONS: Apply by broadcast spray in sufficient water for thorough coverage by ground equipment or in 10 to 20 gallons of water by air. Begin applications when new growth starts in the Spring and before fruit starts to form. Repeat at 7 to 14 day intervals. Under conditions favorable to Fruit rot, continue applications through harvest period treating immediately after each picking. | |
| | Anthracnose fruit rot (<i>Colletotrichum</i> spp.) | 3.75 |
| SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage by ground equipment or in 10 to 20 gallons of water by air. Begin applications at emergence of flower buds. Repeat at 7 days interval through harvest. | | |
| Do not apply more than 3.75 pounds of this product per acre per application. Do not apply more than 30 pounds of this product per acre per year. May be applied up to day of harvest. | | |

If applied as a directed/banded spray, use band rate of this product according to the following formula:

$$\text{Banded rate of this product per acre} = \frac{\text{Plant Bed Width (inches)}}{\text{Row Spacing (inches)}} \times \text{Broadcast rate per acre}$$

SPECIAL USES

PEACH PRE-PLANT ROOT DIP

For preventative pre-plant dip treatment for Crown gall, use 2.5 pounds of this product plus 3.2 pints of diluted sodium hypochlorite (5.25% household bleach) per 100 gallons of water. Wash nursery trees to remove soil from roots. Cut off all dormant buds and suckers in crown area and prune root system if necessary. Submerge the entire dormant tree for 5 minutes. Recharge dip during operation at a rate of 3.2 pints of diluted sodium hypochlorite per 100 gallons of water.

POST-HARVEST FRUIT APPLICATION

For use in mechanical fruit-dip operations only. Hand dipping of fruit is prohibited.

For control of various molds and storage rots (Botrytis, Gloeosporium, Rhizopus), use as a post-harvest dip or wash on the following fruits— **Apples, Cherries, Pears:** Use 1.55 pounds of this product per 100 gallons of water. Apply as a spray or in a dip tank. When used as a dip, recharge wash solution periodically when tank volume is reduced by 25%. Bring water back to volume and add 1.55 pounds of this product for each 100 gallons added. At end of every 8 hour shift, empty tank, flush and charge with fresh dilution. Do not allow dip tank solution to stand overnight. Maintain continuous agitation during dipping operation.

Do not contact or allow others to contact the treated fruit until sprays have dried.

Disposal of Leftover Post-harvest Treatment Mixture: Leftover dip or spray mixtures containing captan may be used as a foliar spray for the same crop in the case of Apples and Cherries (but not Pears) as treated by the dip or spray mixture or to registered Ornamental sites. Observe all restrictions such as maximum pounds applied per application and season. If analytical services are not available when calculating application rates to determine the exact quantity of captan remaining in the mixture, assume that the tank still contains 1.55 pounds of this product per 100 gallons of water. If the dip or spray mixture contains other pesticides in addition to captan, refer to the product label(s) for information regarding disposal. Captan wastes are acutely hazardous. Improper disposal of spray or dip tank mixtures is a violation of Federal Law. If the leftover dip or spray mixture cannot be disposed of in the manner prescribed above, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance concerning the disposal of spent or excess dip tank mixtures.

ORNAMENTALS / NON-FOOD USE

The Restricted Entry Interval (REI) for these uses is 48 hours, including for root dips.

Use Precautions

Do not apply spray to ornamental plants listed below beyond the point of drip from the leaf surface. When applying as a drench, apply only sufficient mixture to wet the surface of the soil except when the dose is specified in terms of volume of mixture per square foot of area.

| Use | Disease(s) | This Product Per 100 Gals. of Water |
|---------------------|---|-------------------------------------|
| Azaleas | Damping-off of cuttings | 2.5 lbs. |
| | SPECIFIC DIRECTIONS: Dip cuttings before bedding. | |
| | Petal blight | 1.25 lbs. |
| | SPECIFIC DIRECTIONS: Apply to soil area around plants and spray flowers just before bloom. Repeat at 7 to 14 day intervals through bloom. | |
| Begonias (Tuberous) | Damping-off, Tuber rot | 2.5 lbs. |
| | SPECIFIC DIRECTIONS: Dip tubers for 30 minutes, drain and plant. | |
| Camellias | Petal blight | 0.6 lb. |
| | SPECIFIC DIRECTIONS: Apply to drench soil around plants beginning when flowers start to open. Repeat at 7 to 10 day intervals through bloom. | |
| Carnations | Alternaria leaf spot, Rust | 1.25 lbs. |
| | SPECIFIC DIRECTIONS: Begin application at first sign of disease. Repeat at 7 to 10 day intervals. Shorten intervals during frequent rains and heavy dews. | |
| | Damping-off of cuttings | 2.5 lbs. |
| | SPECIFIC DIRECTIONS: Dip cuttings before bedding. | |

(Continued)

(Continuation)

| Use | Disease(s) | This Product Per 100 Gals. of Water |
|---|--|-------------------------------------|
| Chrysanthemum | Botrytis flower blight, Septoria leaf spot | 1.5 lbs. |
| | SPECIFIC DIRECTIONS: Apply at first sign of disease. Repeat at 7 to 10 day intervals. | |
| | Damping-off of cuttings | 2.5 lbs. |
| SPECIFIC DIRECTIONS: Dip cuttings before bedding. | | |
| Dichondra (CA Only) | White mold (<i>Sclerotium rolfsii</i>) | 2 ozs. |
| | SPECIFIC DIRECTIONS: Apply 1 gallon of spray per 10 square feet. Make only 2 applications per season. | |
| Gladiolus (Corms) | Corm rot and Decay, Damping-off | 0.375 ozs. per 10 gals. of water |
| | SPECIFIC DIRECTIONS: Dip corms 20 to 30 minutes. Drain and plant. | |
| Ginseng | Cylindrocarpon root rot (<i>Cylindrocarpon destructans</i>), Phytophthora root rot (<i>Phytophthora cactorum</i>), Pythium root rot (<i>Pythium</i> spp.), Rhizoctonia root and crown rot (<i>Rhizoctonia solani</i>), Grey mold (<i>Botrytis cinerea</i>) | 2.5 lbs. |
| | SPECIFIC DIRECTIONS: Apply at 7 to 10 day intervals or when conditions favor disease development. For control of root and crown diseases, apply as a drench in a minimum of 200 gallons of water per acre. For grey mold, apply as a foliar spray in a minimum of 100 gallons of water per acre. | |
| Do not use Ginseng for food or feed purpose within 1 year of treatment. Do not make more than 8 applications in one growing season. Do not apply more than 20 pounds of this product per acre per season. | | |
| Roses | Black spot, Botrytis blossom blight | 1.25 lbs. |
| | SPECIFIC DIRECTIONS: Begin at first growth or first sign of disease. Repeat at 7 to 14 day intervals and more frequently during frequent rains and heavy dews. | |

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Keep pesticide in original container. Keep container tightly closed when not in use. Protect from excessive heat. Store in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable laws, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable laws, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



The Drexel logo is a registered trademark of Drexel Chemical Company.

HOME & GARDEN LABEL



Captan 80 WDG

Fungicide

A fungicide for plant disease control.

ACTIVE INGREDIENT:

Captan 80.0%

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-652
EPA Est. No. 19713-GA-1

Net Content: 1 LB.

| FIRST AID |
|--|
| <p>IF IN EYES:</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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. |
| <p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • 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 or convulsing person. |
| <p>IF INHALED:</p> <ul style="list-style-type: none"> • 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. |
| <p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice. |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-434-9300 for emergency medical treatment information.</p> |
| <p>Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.</p> |

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed or if inhaled. Do not get in eyes or on clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

The following PPE are required to be worn when handling this product: Goggles or face shield, chemical-resistant gloves when using indoors or outdoors, long pants, long-sleeved shirt, and shoes plus socks. Remove contaminated clothing and laundry separately before re-use. Wash non-disposable gloves thoroughly with soap and water before removing.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not allow this product to drift. Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

Read all precautions and directions for use before using. Use only for claims listed and only as specified on this label.

COMPATIBILITY AND PLANT SAFETY

This product can be combined safely and effectively at specified rates with most commonly used fungicides and insecticides, with the exception of oil and strongly alkaline materials. Alkaline materials such as spray lime, lime-sulfur and Bordeaux mixture will reduce the fungicidal activity of this product. Do not apply captan in combination with, immediately before or closely following oil sprays. **Do not allow oil sprays on adjacent areas to drift onto plants which have been or will shortly be treated with captan.** Due to general climatic conditions, the time factor governing the safe interval between captan and oil sprays varies, therefore, consult local agricultural spray programs and authorities to determine the proper timing. The use of spreaders which cause excessive wetting is not advised. Combinations with solvent formulations of organic phosphates should not be used. Combinations of captan and sulfur should not be used on crops sensitive to sulfur. Used at high rates or in drenching sprays, captan may cause necrotic spotting of tender, immature leaves of certain varieties of Apples, Cherries, Peaches and Plums. This type of injury is most likely to occur in the early cover sprays during long periods of warm, cloudy, humid weather. To avoid the hazard of leaf spotting under such conditions, use captan and other spray materials at lowest labeled rate and avoid drenching trees.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

APPLICATION INFORMATION

Pour specified amount of this material into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Do not combine with emulsifiable liquids or wettable powders unless previous experience has proven them to be physically compatible and safe to plants. (Read "COMPATIBILITY AND PLANT SAFETY" section above.)

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

Note: There are 9 level teaspoons per ounce of this product.

USE PRECAUTIONS

Do not apply this product to seeds or seed products. Apply sufficient spray volume to provide thorough, even coverage. Do not apply this product through any type of irrigation system. Except as specified, begin applications before or at first sign of disease and repeat as needed to maintain control, but observe use limitations. Unless otherwise specified, application can be made on the day of harvest. Apply the higher labeled rate and/or spray at shorter intervals when climatic conditions most favor disease(s). Apply the lower labeled rate and/or spray at longer intervals when climatic conditions least favor disease(s). If you are unaware of the climatic conditions favorable for disease(s) claimed for the specific use sites, you must consult with your State Agricultural Extension Service to learn of these conditions.

IMPORTANT: Read label carefully. Although most of the directions on this label may be followed nationwide, a few are limited to either the Eastern U.S. (states east of the Rocky Mountains) or Western U.S. Follow those directions for your growing area where specified.

ENTRY RESTRICTIONS

Do not allow people or pets to enter treated area until sprays have dried.

FRUIT AND NUT CROPS

| Crop | Disease(s) | Rate (Level of Teaspoon(s) per Gal. of Water) |
|---|---|---|
| Almonds | Anthracnose, Blossom blight, Brown rot, Leaf blight, Scab, Shothole, Twig blight | 2 to 4.5 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply at popcorn, bloom and petal fall stages and full cover sprays. | |
| Do not apply more than 16.5 teaspoons of this product per 1,000 sq. ft. per application. Do not harvest Almonds within 30 days of last application. | | |
| Apples (Eastern U.S.) | Black rot (Frogeye), Botrytis blossom end rot, Primary scab | 3 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply at 10 to 14 day intervals as needed to maintain control in pre-bloom, bloom, petal fall and first cover sprays. For Frogeye leaf spot also apply during the pre-bloom and bloom periods on a 10 to 14 day schedule. | |
| | Bitter rot, Black pox, Black rot, Botryosphaeria rot, Brooks fruit spot, Fly speck, Secondary scab, Sooty blotch | 1.5 to 3 |
| | SPECIFIC DIRECTIONS: Apply at 10 to 14 day intervals in second and later cover sprays. | |
| Do not use this product in combination with or closely following or in alternation with wettable sulfur products on sulfur sensitive varieties of Apples such as Baldwin, King, Red Delicious, Staymen, as severe injury and defoliation may occur. Do not apply more than 14.7 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |
| Apples (Western U.S.) | Primary scab | 1.5 to 3 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. | |
| | Botrytis rot, Bull's eye rot (Pacific Northwest) | 2.25 |
| SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Make 1 to 2 applications with late cover sprays and 1 final spray prior to harvest. May be applied up to harvest. Secondary scab — In mid-Summer cover sprays, the dosage may be reduced to 1.5 teaspoons per gallon of water. | | |
| Do not apply more than 14.7 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |
| Apricots | Brown rot (Twig blight), Jacket rot | 1.8 to 2.5 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply in red bud, bloom, 75% petal fall and cover sprays. | |
| Do not apply more than 8.8 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |

(Continued)

(Continuation)

| Crop | Disease(s) | Rate (Level of Teaspoon(s) per Gal. of Water) |
|---|--|---|
| Blackberries, Dewberries, Raspberries | Anthracnose, Botrytis blight, Spur blight | 6 |
| | SPECIFIC DIRECTIONS: Apply sufficient spray volume to provide thorough, even coverage when blossoms are in bud (young canes are 8 to 10 inches long). Make second application two weeks later. Apply a fall spray after old canes are removed. Do not apply within 3 days of harvest. | |
| | Fruit rot | 6 |
| | SPECIFIC DIRECTIONS: Apply sufficient spray volume to provide thorough, even coverage at early bloom (5 to 10% bloom) and again at full bloom. Additional applications can be made at 10 to 14 day intervals as needed. | |
| Do not apply more than 7.3 teaspoons of this product per 1,000 sq. ft. per application. Do not apply within 3 days of harvest. | | |
| Blueberries (Eastern U.S.) | Berry rot, Botrytis gray mold, Mummy berry | 3.75 |
| | SPECIFIC DIRECTIONS: Start spray program when buds swell and earliest buds have loose scales. Apply sufficient spray volume to provide thorough, even coverage. Repeat at 7 day intervals through blossom period. Repeat at 7 to 10 day intervals from late bloom. | |
| Blueberries (Western U.S.) | Berry rot, Botrytis gray mold, Mummy berry | 1.5 to 3.75 |
| | SPECIFIC DIRECTIONS: Apply sufficient spray volume to provide thorough, even coverage beginning at mid-bloom. Repeat at 7 to 10 day intervals until maturity. | |
| To All Blueberries: Do not apply more than 8.8 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |
| Cherries (Eastern U.S.) | Botrytis rot, Brown rot, Leaf spot | 2 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control Blossom blight. Repeat application at 7 to 20 day intervals as needed to maintain control up to start of harvest. Post-harvest sprays: Leaf spot—Use 2 level teaspoons per 10 gallon of water. Apply immediately after harvest and repeat application in 10 to 14 days. | |
| Cherries (Western U.S.) | Blossom blight, Brown rot, Brown rot (Fruit), Leaf spot | 2 |
| | SPECIFIC DIRECTIONS: Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays. | |
| To All Cherries: Do not apply more than 7.3 teaspoons of this product per 1,000 sq. ft. per application. Pre-harvest sprays may be applied up to day of harvest. | | |
| Grapes (Except CA) | Downy mildew, Phomopsis cane and leaf spot, Suppression of Black rot | 1.5 to 3 |
| | SPECIFIC DIRECTIONS: Apply sufficient spray volume to provide thorough, even coverage when shoots are one-half to 1.5 inches long; when shoots are 3 to 5 inches long and when shoots are 9 to 12 inches long. Repeat just before bloom, immediately after bloom and continue at 10 to 14 day intervals as long as disease conditions persist. Use the lower rate when spraying less susceptible Grape varieties or when conditions are less favorable for disease development. Use the higher rate on susceptible Grape varieties and during periods of weather highly favorable for disease development. | |
| Grapes (CA) | Bunch rot (Botrytis) | 3 |
| | SPECIFIC DIRECTIONS: Make 2 applications before bloom and immediately after bloom. Repeat periodically, making 3 cover applications before the bunches close. | |
| | Phomopsis cane and leaf spot (current season infection) | 2.4 to 3 |
| | SPECIFIC DIRECTIONS: Apply first spray when green tissue begins to show but before shoots are 6 to 8 inches long. | |
| To All Grapes: Do not apply more than 7.3 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |

(Continued)

(Continuation)

| Crop | Disease(s) | Rate (Level of Teaspoon(s) per Gal. of Water) |
|--|--|---|
| Nectarines | Brown rot, Scab | 2.4 to 4.8 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply in full pink, bloom, petal fall, shuck, cover and pre-harvest sprays. Applications at 3 to 4 day intervals may be necessary during bloom to control Blossom blight. Repeat application at 7 to 14 day intervals as needed to maintain control. | |
| | Coryneum blight (Peach blight, Shothole) | 2.4 to 4.8 |
| | SPECIFIC DIRECTIONS: Apply in pink bud, full bloom, petal fall, and cover sprays as necessary and as a post-harvest spray (before leaves drop). | |
| Do not apply more than 14.7 teaspoons of this product per 1,000 sq. ft. per application. Pre-harvest sprays may be applied up to day of harvest. | | |
| Peaches | Brown rot, Scab | 1.5 to 3 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply in full pink, bloom, petal fall, shuck stages, and in cover and pre-harvest sprays. When conditions are favorable, make applications at 3 to 4 day intervals during bloom to control Blossom blight. Repeat application at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown rot. | |
| | Coryneum blight (Peach blight, Shothole) | 3 |
| | SPECIFIC DIRECTIONS: Apply in pink bud, full bloom, petal fall, and cover sprays as necessary and as a post-harvest spray (before leaves drop). | |
| Do not apply more than 14.7 teaspoons of this product per 1,000 sq. ft. per application. Pre-harvest sprays may be applied up to day of harvest. | | |
| Plums, Fresh Prunes (Eastern U.S.) | Brown rot | 3 |
| | SPECIFIC DIRECTIONS: Spray 1 to 2 pints for small/dwarf trees, 1 to 2 quarts for medium-size trees and 1 to 3 gallons for large/mature trees. Apply in full pink, bloom, petal fall sprays. Repeat applications at 7 to 14 day intervals as needed to maintain control. Continue applications through harvest if conditions favor Brown rot. | |
| Plums, Fresh Prunes (Western U.S.) | Brown rot | 2 to 3 |
| | SPECIFIC DIRECTIONS: Apply at green bud, popcorn, bloom and petal fall stages. Repeat in cover sprays as conditions warrant. | |
| | Prune russet scab (Lacy scab) | 2 to 3 |
| SPECIFIC DIRECTIONS: Apply at full bloom. | | |
| To All Plums, Fresh Prunes: Do not apply more than 11 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |
| Strawberries | Botrytis (Gray mold), Leaf spot | 4.5 to 9 |
| | SPECIFIC DIRECTIONS: Apply sufficient spray volume to provide thorough, even coverage. Begin applications when new growth starts in the Spring and before fruit starts to form. Repeat at 7 to 14 day intervals. Under conditions favorable to Fruit rot, continue applications through harvest period, treating immediately after each picking. | |
| | Anthracnose fruit rot (<i>Colletotrichum</i> spp.) | 9 |
| SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage. Begin applications at emergence of flower buds. Repeat at 7 days interval through harvest. | | |
| Do not apply more than 11 teaspoons of this product per 1,000 sq. ft. per application. May be applied up to day of harvest. | | |

ORNAMENTALS

Use Precautions: Do not apply spray to ornamental plants listed below beyond the point of drip from the leaf surface. When applying as a drench, apply only sufficient mixture to wet the surface of the soil except when the dose is specified in terms of volume of mixture per square foot of area.

| Use | Disease(s) | Rate (Level of Teaspoons(s) per Gal. of Water) |
|---|--|---|
| Azaleas | Damping-off of cuttings | 3 |
| | SPECIFIC DIRECTIONS: Dip cuttings before bedding. | |
| | Petal blight | 2 |
| SPECIFIC DIRECTIONS: Apply to soil area around plants and spray flowers just before bloom. Repeat at 7 to 14 day intervals through bloom. | | |
| Begonias (Tuberous) | Damping-off, Tuber rot | 12 |
| | SPECIFIC DIRECTIONS: Dip tubers for 30 minutes, drain and plant. | |
| Camellias | Petal blight | 2 |
| | SPECIFIC DIRECTIONS: Apply to drench soil around plants beginning when flowers start to open. Repeat at 7 to 10 day intervals through bloom. | |
| Carnations | Alternaria leaf spot, Rust | 2 |
| | SPECIFIC DIRECTIONS: Begin application at first sign of disease. Repeat at 7 to 10 day intervals. Shorten intervals during frequent rains and heavy dews. | |
| | Damping-off of cuttings | 3 |
| | SPECIFIC DIRECTIONS: Dip cuttings before bedding. | |
| Chrysanthemum | Botrytis flower blight, Septoria leaf spot | 2 |
| | SPECIFIC DIRECTIONS: Apply at first sign of disease. Repeat at 7 to 10 day intervals. | |
| | Damping-off of cuttings | 3 |
| | SPECIFIC DIRECTIONS: Dip cuttings before bedding. | |
| Gladiolus (Corms) | Corm rot and Decay, Damping-off | 3 |
| | SPECIFIC DIRECTIONS: Dip corms 20 to 30 minutes. Drain and plant. | |
| Roses | Black spot, Botrytis blossom blight | 2 |
| | SPECIFIC DIRECTIONS: Begin at first growth or first sign of disease. Repeat at 7 to 14 day intervals and more frequently during frequent rains and heavy dews. | |

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, by storage or disposal.

PESTICIDE STORAGE: Keep pesticide in original container. Keep container tightly closed when not in use. Protect from excessive heat. Store in a cool, dry place.

PESTICIDE DISPOSAL: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partially filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable laws, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable laws, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



The Drexel logo is a registered trademark of Drexel Chemical Company.

Optional Marketing Claims:

- CAPTAN 80WDG is a water-dispersible granule for use in water as a spray for the control of certain fungal diseases of fruits and as a soil treatment for the control of certain seed rots and damping-off diseases.