

19713-405

8-29-2007

1/18



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**AUG 29 2007**

Luz G. Chan  
Registration Manager  
Drexel Chemical Company  
P. O. Box 13327  
Memphis, TN 38113-0327

**SUBJECT: Applications for Pesticide Notification – Correction to First Aid Section/Add  
Note to Physician  
Drexel Captan 80W  
EPA Reg. No. 19713-405  
Application Dated August 2, 2007**

Dear Ms. Chan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

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

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 19713-405	2. EPA Product Manager Tony Kish	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DREXEL CAPTAN 80W	PM# 22/Fungicide Branch	
5. Name and Address of Applicant (Include ZIP Code)  Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**NOTIFICATION**

**AUG 29 2007**

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Submission of revised master label (235WSP,DSP,SLSP-0607). Details are in the cover letter accompanying this submission. The required certification statement is also submitted.

Thank you.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name LUZ G CHAN	Title REGISTRATION MANAGER	Telephone No. (include Area Code) (901) 774-4370
<p align="center"><b>Certification</b></p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, both under applicable law.</p>		6. Data Application Received (Stamped)
2. Signature 	3. Title REGISTRATION MANAGER	
4. Typed Name LUZ G CHAN	5. Date August 2, 2007	

3/18



**Drexel Chemical Company**

August 2, 2007

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Rm S-4900, One Potomac Yard  
2777 S Crystal Drive  
Arlington, VA 22202

**NOTIFICATION**

**AUG 29 2007**

**Re: Submission of Label per EPA's E-mail dd. August 2, 2007 (enclosed)**  
**DREXEL CAPTAN 80W (EPA Reg. No. 19713-405)**

Kindly ignore my Notification submission dated July 31, 2007. Instead, herewith:

1. Completed EPA Form 8570-1
2. One (1) copy of the label (405WSP,DSP-SLSP-0707) in accordance with EPA Stamped Accepted label dated July 9, 2007 with the following revisions:
  - i) On page 5, in the First Aid box, under 'If on Skin of Clothing', the statement "Call a poison control center for treatment advice." was added
  - ii) On page 9, the statement on Note to Physician was added to match pages 1 and 5 of this label.

I highlighted the changes for easy reference.

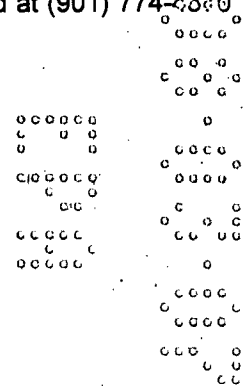
3. Required certification statement

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail [Lchan@drexchem.com](mailto:Lchan@drexchem.com).

Thank you.

Respectfully yours,  
FOR DREXEL CHEMICAL COMPANY

Luz Chan  
Registration Manager





5/18

"Luz Chan"  
<lchan@drexchem.com>  
08/02/2007 11:37 AM

To Bob Tomerlin/DC/USEPA/US@EPA, Linda  
Arrington/DC/USEPA/US@EPA  
cc Tony Kish/DC/USEPA/US@EPA, Tawanda  
Spears/DC/USEPA/US@EPA  
bcc

Subject RE: Reg. No. 19713-405: A small problem

History: This message has been forwarded.

Dr. Tomerlin,

Ok. I'll submit by Notification today.

Ms. Arrington, kindly ignore my Notification submission dated July 31, 2007.

Thank you.  
Luz

**NOTIFICATION**

**AUG 29 2007**

---

**From:** Tomerlin.Bob@epamail.epa.gov [mailto:Tomerlin.Bob@epamail.epa.gov]  
**Sent:** Thursday, August 02, 2007 9:56 AM  
**To:** Arrington.Linda@epamail.epa.gov  
**Cc:** Luz Chan; kish.tony@epa.gov; spears.tawanda@epa.gov  
**Subject:** Reg. No. 19713-405: A small problem

Linda -

I forgot to copy you on this email as I'd intended. This forward doesn't look like a forward because my Webmail is not working properly. So, I cut and pasted the text of the email I'd originally sent. The text of the original email follows:

Ms. Chan -

In comparing the label for 19713-362 and 19713-405, I discovered another small problem that none of us caught before. Specifically, in label 405dsp-0707, the statement "Call poison control center or a doctor for treatment advice" is missing for If On Skin Or Clothing section.

Hopefully, you noticed this deficiency before sending the notification to Linda Arrington; if not, another notification will need to be sent. Note that I've copied this email to Ms. Arrington.

Regards - Bob T.

J. R. Tomerlin, PhD

USEPA - Registration Division

EPA #: 703-305-0598 (will forward to my alternate work place)

703-308-1825 (fax)

tomerlin.bob@epa.gov

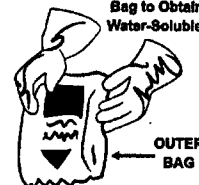


MASTER LABEL CONSISTING OF  
SPLIT LABELS FOR THIS WATER  
SOLUBLE PACKAGING, NON-WATER  
SOLUBLE PACKAGING AND HOME  
AND GARDEN USE

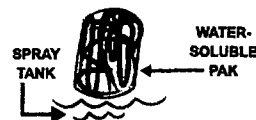
NOTIFICATION

AUG 29 2007

Tear Open Outer  
Bag to Obtain the  
Water-Soluble Pak.



OUTER  
BAG



SPRAY  
TANK

WATER-  
SOLUBLE  
PAK

Drexel

# Captan 80W

Fungicide

## Water-Soluble Packaging

### ACTIVE INGREDIENTS:

Captan .....	78.3%
Related derivatives .....	1.7%
<b>OTHER INGREDIENTS:</b> .....	<b>20.0%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

KEEP OUT OF REACH OF CHILDREN

## WARNING / AVISO

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. 19713-405 Net Contents: 15 lbs.  
EPA Est. No. 19713-GA-001 Water-Soluble Package

### 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 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.

#### 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

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

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing.

#### 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 category selection chart).

**All mixers, loaders, applicators, flaggers, and other handlers (including handlers participating in seeding and transplanting as part of root dip or greenhouse-soil treatments) must wear:** Long-sleeved shirt and long pants, goggles or faceshield, chemical-resistant gloves except for flaggers, pilots, and applicators driving motorized ground equipment, shoes plus socks, and chemical-resistant apron when mixing/loading, participating in dip treatments and cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate. See Engineering Controls for additional options.

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### 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.

Water-soluble packets when used correctly qualify as a closed loading system under the WPS. Mixers and loaders using water-soluble packets (1) must wear the PPE specified above for mixers and loaders and (2) must be provided and have immediately available for use in emergency, such as a broken package, spill, or equipment break down a NIOSH-approved dust/mist respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

### 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. Wash contaminated clothing before reuse. 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.

Manufactured By:

**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

405WSP-0707

CAPTAN 80W Page 1 of 12

8/18

**ENVIRONMENTAL HAZARDS**

This chemical is toxic to fish. Do not apply directly to water or to 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.

**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 seven days following the application of captan:

1. At least one container designed specifically for flushing eyes must be available in operation condition at the WPS-required decontamination 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, to keep the residues out of their eyes,
  - that if they do get residues in their eyes, they should immediately flush their eyes with the eyeflush container that is located at the decontamination site, and
  - how to operate the eyeflush 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 Restriction:** 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 sprays have dried.

Read all precautions and directions for use before using. Use only for claims listed and only as specified on this label. In order that pesticide residues on food and forage crops will not exceed Federal tolerances, use only at recommended rates and intervals and do not apply closer to harvest than specified. Do not apply or allow to drift to adjoining food, fiber or pasture crops. Drift of captan onto sensitive crops (e.g., D'Anjou pears) can cause severe phytotoxicity and crop loss. 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.

**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. Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles. Apply only when the wind speed is 2 to 10 mph at the application site.

**Additional Requirements for Aerial Applications:**

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Do not make applications into temperature inversions.

**Additional Requirements for Ground Boom Application:**

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

**COMPATIBILITY AND PLANT SAFETY:** CAPTAN 80W can be combined safely and effectively at recommended dosage 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 mixtures 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. The time factor governing the safe interval between this product and oil sprays varies due to general climatic conditions; 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 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 recommended rates and avoid drenching trees.

**APPLICATION INFORMATION FOR WATER-SOLUBLE BAGS**

Applications can be made by aircraft or ground equipment (including concentrate and semi-concentrate equipment). Drop the required number of unopened paks into spray tank while filling with appropriate amount 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.) 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. Do not apply this product through any type of irrigation system.

**GENERAL USE PRECAUTIONS**

Carefully open outer bag of the water-soluble paks. Never open the water soluble pouch.

Do not apply to turfgrass in residential sites, including homes, apartment buildings, daycare centers, schools, playgrounds, parks, recreational areas, sports fields or other residential areas. 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. 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 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 or Western U.S. Follow those directions for your growing area where specified.

**DIRECTIONS FOR WATER-SOLUBLE BAGS**

Paks containing this product are water-soluble. Do not allow pak to become wet prior to adding to the spray tank. Do not handle paks with wet hands. To prepare the spray mixture, drop the required number of unopened paks into spray tank while filling with appropriate amount of water. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the paks should be completely dissolved in approximately 5 minutes from the time they are added to the water. Use the specified dosage of this product in the amount of water necessary to give complete coverage. Determine the total amount to be added to the spray tank based on the rates in the "Crop" section.

**Note:** Products containing boron and/or fertilizers will prevent the water-soluble packet from dissolving. Boron and/or fertilizer products must only be added after packet(s) have completely dissolved.



9/18

**FRUIT AND NUT CROPS**

Crop	Disease(s)	Rate per Acre	Number of Water-Soluble Paks
Almonds (REI = 24 hrs.)	Anthracnose, Blossom blight, Brown rot, Leaf blight, Scab, Shot hole, Twig blight	2.5 to 5.6 lbs.	1 pak per 2.7 to 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment or in 5 to 20 gals. of water by air. Use 3.75 to 5.6 lbs. per acre (1 pak per 2.7 to 4 acres) when captan is used alone. Use 2.5 to 3.75 lbs. per acre (1 pak per 4 to 6 acres) in tank mixtures with fungicides having a similar spectrum. Apply at popcorn, bloom, petal fall post petal fall, and full cover sprays.		
<b>Note:</b> Do not apply within 30 days of harvest. Hulls may be fed to livestock. Do not apply more than 5.6 lbs. (1 pak per 2.7 acres) per acre per application. Do not apply more than 25 lbs. of this product per acre (2 paks per 1.2 acres [1 pak per 0.6 acre]) from prebloom through postharvest. See "GENERAL USE PRECAUTIONS" section for definition of crop cycle.			
Apples (Eastern U.S.) (REI = 24 hrs.)	Black rot (Frogeye), Botrytis blossom end rot, Primary scab	5 lbs.	1 pak per 3 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water using ground equipment or in 5 to 20 gals. 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 lbs.	1 pak per 3 to 6 acres
SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water by using ground equipment or in 5 to 20 gals. of water by air. Apply at 10- to 14-day intervals in second and later cover sprays.			
<b>Note:</b> Do not apply more than 5 lbs. (1 pak per 3 acres) per acre per application. Do not apply more than 40 pounds of this product per acre (2.7 paks per acre [1 pak per 0.38 acre]) from bloom through postharvest. May be applied up to the day of harvest. 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, etc. as severe injury and defoliation may occur.			
Apples (Western U.S.) (REI = 24 hrs.)	Primary scab*	2.5 to 5 lbs.	1 pak per 3 to 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water per acre using ground equipment or in 5 to 20 gals. of water by air. To reduce potential for tolerance 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 (1 pak per 6 acres).		
	Botrytis rot, Bull's eye rot (Pacific Northwest)	3.75 lbs.	1 pak per 4 acres
SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water using ground equipment or in 5 to 20 gals. of water by air. Make 1 or 2 applications with late cover sprays and one final spray prior to harvest.			
<b>Note:</b> Do not apply more than 5 lbs. (1 pak per 3 acres) per acre per application. Do not apply more than 40 pounds of this product per acre (2.7 paks per acre [1 pak per 0.38 acre]) from bloom through postharvest. May be applied up to day of harvest.			
Apricots (REI = 24 hrs.)	Brown rot (Twig blight), Jacket rot	1.88 to 3.0 lbs.	1 pak per 5 to 8 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 250 gals. of water using ground equipment or in 10 to 20 gals. of water by air. Apply at red bud, bloom, 75% petal fall and in cover sprays. To reduce potential for tolerance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures.		
<b>Note:</b> Do not apply more than 3 lbs. (1 pak per 15 acres) per acre per application. Do not apply more than 15.6 lbs. of this product per acre (1 pak per 0.96 acre) from prebloom through postharvest. May be applied up to day of harvest.			
Blackberries, Dewberries, Raspberries (REI = 48 hrs.)	Anthracnose, Botrytis blight, Spur blight	2.5 lbs.	1 pak per 6 acres
	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 lbs.	1 pak per 6 acres
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.			
<b>Note:</b> Do not apply more than 2.5 lbs. (1 pak per 6 acres) per acre per application. Do not apply within 3 days of harvest. Do not apply more than 12.5 pounds of this product per acre (1 pak per 1.2 acres) per season.			

Crop	Disease(s)	Rate per Acre	Number of Water-Soluble Paks
Blueberries (Eastern U.S.) (REI = 48 hrs.)	Berry rot, Botrytis gray mold, Mummy berry	3.0 lbs.	1 pak per 5 acres
	SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage or a minimum of 5 gals. 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 3.0 lbs.	1 pak per 5 to 12 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water by ground or in 5 to 20 gals. of water by air. Begin at mid-bloom, repeat at 7- to 10-day intervals until maturity.		
<b>Note: (All Blueberries):</b> Do not apply more than 3 lbs. (1 pak per 3 acres) per acre per application. Do not apply more than 43.75 lbs. of this product per acre (2.9 paks per acre [1 pak per 0.34 acre]) from bloom through postharvest. May be applied up to day of harvest.			
Cherries (Eastern U.S.) (REI = 24 hrs.)	Botrytis rot, Brown rot, Leaf spot	2.5 lbs.	1 pak per 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment or in 10 to 20 gals. of water by air. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays. Application 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 lbs. 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 lbs. per acre (1 pak per 12 acres) in these sprays.		
	<b>Post-harvest Sprays:</b> Leaf spot - Apply 2.5 lbs. of this product per acre (1 pak per 6 acres) 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	1.88 to 2.5 lbs.	1 pak per 6 to 8 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment or in 10 to 20 gals. of water by air. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays.		
<b>Note: (All Cherries):</b> Do not apply more than 2.5 lbs. (1 pak per 6 acres) per acre per application. Do not apply more than 17.5 lbs. of this product per acre (1.2 paks per acre [1 pak per 0.86 acre]) from bloom through postharvest. May be applied up to day of harvest.			
Grapes (Except CA) (REI = 48 hrs.)	Downy mildew, Leaf spot, Phomopsis cane, Suppression of Black rot	1.25 to 2.5 lbs.	1 pak per 6 to 12 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment or in 7 to 20 gals. of water by air when shoots are 0.5 to 1.5 inches long, 3 to 5 inches long and 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) (REI = 48 hrs.)	Bunch rot (Botrytis)	2.5 lbs.	1 pak per 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment or in 7 to 20 gals. of water by air. Make 2 applications before bloom and one immediately after bloom. Repeat periodically making 3 cover applications before bunches close.		
	Leaf spot, Phomopsis cane (current season infection)	2 to 2.5 lbs.	2 paks per 12 to 15 acres
SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment or apply 2.5 lbs. of this product per acre (1 pak per 6 acres) in 7 to 20 gals. 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.			
<b>Note: (All Grapes):</b> Do not apply more than 2.5 lbs. (1 pak per 6 acres) per acre per application. Do not apply more than 15 lbs. of this product per acre (1 pak per 6 acres) from bloom through postharvest. May be applied up to day of harvest.			

10/18

Crop	Disease(s)	Rate per Acre	Number of Water-Soluble Paks
Neectarines (REI = 24 hrs.)	Brown rot, Scab	2.5 to 5 lbs.	1 pak per 3 to 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 250 gals. of water using ground equipment or in 10 to 20 gals. of water by air. To reduce the potential for tolerance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures. 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 necessary to maintain control. Continue applications throughout harvest if conditions favor Brown rot. If Powdery mildew is a problem, add 7.5 lbs. of sulfur per acre to the petal fall and shuck sprays and early cover spray. If sulfur is added, this product may be reduced to 1.6 lbs. per acre (1 pak per 9 acres) in these sprays.		
	Coryneum blight (Peach blight, Shot-hole)	2.5 to 5 lbs.	1 pak per 3 to 6 acres
SPECIFIC DIRECTIONS: Apply in 20 to 250 gals. of water using ground equipment or in 10 to 20 gals. 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).			
<b>Note:</b> Do not apply more than 5 lbs. (1 pak per 3 acres) per acre per application. Do not apply more than 30 lbs. of this product per acre (2 paks per acre [1 pak per 0.5 acre]) from bloom through postharvest. Pre-harvest sprays may be applied up to day of harvest.			
Peaches (REI = 24 hrs.)	Brown rot, Scab	2.5 to 5 lbs.	1 pak per 3 to 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water using ground equipment or in 10 to 20 gals. of water by air. To reduce the potential for tolerance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures. Apply at full pink, bloom, petal fall and 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 lbs. 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 lbs. per acre (1 pak per 6 acres) in these sprays.		
	Coryneum blight (Peach blight, Shot-hole)	5 lbs.	1 pak per 3 acres
SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water using ground equipment or in 10 to 20 gals. of water by air. Apply at pink bud, full bloom, petal fall stages and in cover sprays as necessary and as a post-harvest spray (but before leaf drop).			
<b>Note:</b> Do not apply more than 5 lbs. (1 pak per 3 acres) per acre per application. Do not apply more than 40 lbs. of this product per acre (2.7 paks per acre [1 pak per 0.38 acre]) from bloom through postharvest. Pre-harvest spray may be applied up to day of harvest.			
Plums, Fresh Prunes (Eastern U.S.) (REI = 24 hrs.)	Brown rot	3.75 lbs.	1 pak per 4 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment or in 10 to 20 gals. 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 lbs.	1 pak per 4 to 6 acres
	SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment or in 10 to 20 gals. of water by air. Use the 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 lbs.	1 pak per 4 to 6 acres
SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment. Apply at full bloom.			
<b>Note: (All Plums, Prunes):</b> Do not apply more than 3.75 lbs. (1 pak per 4 acres) per acre per application. Do not apply more than 33.75 lbs. of this product per acre (2.25 paks per acre [1 pak per 0.44 acre]) from bloom through postharvest. May be applied up to day of harvest.			

Crop	Disease(s)	Rate per Acre	Number of Water-Soluble Paks
Strawberries (REI = 24 hrs.)	Botrytis (Gray mold), Leaf spot	1.88 to 3.75 lbs.	1 pak per 4 to 8 acres
	SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage by ground equipment or in 10 to 20 gals. 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.		
<b>Note:</b> Do not apply more than 3.75 lbs. (1 pak per 4 acres) per acre per application. Do not apply more than 30 lbs. of this product per acre (2 paks per acre [1 pak per 0.5 acre]) from bloom through postharvest. May be applied up to day of harvest.			

**NOTE:** If applying as a directed/banded spray; use band rate of this product according to the following formula:

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

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and 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:** 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:** Do not reuse container. Completely empty container into application equipment. Then 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.

**WARRANTY—CONDITIONS OF SALE**

OUR RECOMMENDATIONS 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 recommended 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.

**SPLIT LABEL**

**NOTIFICATION**

**AUG 29 2007**

**Drexel**

# Captan 80W

Fungicide

**ACTIVE INGREDIENTS:**

Captan .....	78.3%
Related derivatives .....	1.7%
<b>OTHER INGREDIENTS:</b> .....	<b>20.0%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**

## WARNING / AVISO

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. 19713-405

EPA Est. No. 19713-GA-001

Net Contents:

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals**

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing.

#### 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 category selection chart).

(Continued)

### PRECAUTIONARY STATEMENTS (Cont.)

All mixers, loaders, applicators, and other handlers (including handlers participating in seeding and transplanting as part of root-dip or greenhouse-soil treatments) must wear: Long-sleeved shirt and long pants, shoes plus socks, goggles or faceshield, chemical-resistant gloves except for applicators driving motorized ground equipment, and chemical-resistant apron when mixing/loading, participating in dip treatments, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate. In addition, a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

See Engineering Controls for additional options.

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs 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. Wash contaminated clothing before reuse. 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 to 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.

### 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.

Manufactured by:

**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0277

SINCE 1972

**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 seven days following the application of captan:

- At least one container designed specifically for flushing eyes must be available in operation condition at the WPS-required decontamination site for workers entering the area treated with captan, and
- 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, to keep the residues out of their eyes,
  - that if they do get residues in their eyes, they should immediately flush their eyes with the eyeflush container that is located at the decontamination site, and
  - how to operate the eyeflush 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 Restriction:** 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 sprays have dried.

Read all precautions and directions for use before using. Use only for claims listed and only as specified on this label. In order that pesticide residues on food and forage crops will not exceed Federal tolerances, use only at recommended rates and intervals and do not apply closer to harvest than specified. Do not apply or allow to drift to adjoining food, fiber or pasture crops. Drift of captan onto sensitive crops (e.g., D'Anjou pears) can cause severe phytotoxicity and crop loss. 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.

**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.

Apply only as a medium or coarser spray (ASAE standard 570) or a volume mean diameter of 300 microns or greater from spinning atomizer nozzles. Apply only when wind speed is 2 to 10 mph at the application site.

Do not apply with a nozzle height greater than 4 feet above the crop canopy. Do not apply this product with aerial equipment.

Consult State Agricultural Experiment station 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 80W can be combined safely and effectively at recommended dosage 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 mixtures 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. The time factor governing the safe interval between this product and oil sprays varies due to general climatic conditions; 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 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 recommended rates and avoid drenching trees.

**APPLICATION INFORMATION**

Do not apply with aerial or chemigation equipment. Do not apply this product through any type of irrigation system.

Applications can be made by ground equipment (including concentrate and semi-concentrate equipment). Pour recommended 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.)

**GENERAL USE PRECAUTIONS**

Do not apply to turfgrass in residential sites, including homes, apartment building, daycare centers, schools, playgrounds, parks, recreational areas, sports fields or other residential areas. 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.

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 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 sections for your growing area where specified.

**APPLICATION DIRECTIONS**

Pour needed amount into spray tank under agitation. If necessary, add a few drops of oil to avoid foaming. Application of this material through any type of irrigation equipment is prohibited.

**FRUIT AND NUT CROPS**

Crop	Disease(s)	Rate per Acre
Almonds (REI = 24 hrs.)	Anthracnose, Blossom blight, Brown rot, Leaf blight, Scab, Shothole, Twig blight	2.5 to 5.6 lbs.
<b>SPECIFIC DIRECTIONS:</b> Apply in 20 to 300 gals. of water using ground equipment. Use 3.75 to 5.6 lbs. per acre when captan is used alone. Use 2.5 to 3.75 lbs. per acre in tank mixtures with fungicides having a similar spectrum. Apply at popcorn, bloom, petal fall post petal fall, and full cover sprays.		
<b>Note:</b> Do not apply within 30 days of harvest. Hulls may be fed to livestock. Do not apply more than 5.6 lbs. per acre per application. Do not apply more than 25 lbs. of this product per acre from prebloom through postharvest. See "GENERAL USE PRECAUTIONS" section for definition of crop cycle.		
Apples (Eastern U.S.) (REI = 24 hrs.)	Black rot (Frogeye), Botrytis blossom and rot, Primary scab	5 lbs.
<b>SPECIFIC DIRECTIONS:</b> Apply in 20 to 400 gals. of water using ground equipment. Apply at 5- to 7-day intervals as needed to maintain control in pre-bloom, bloom, petal fall and first cover sprays.		
	Blister rot, Black pox, Black rot, Botryosphaeria rot, Brooks fruit spot, Fly speck, Secondary scab, Sooty blotch	2.5 to 5 lbs.
<b>SPECIFIC DIRECTIONS:</b> Apply in 20 to 400 gals. of water by using ground equipment. Apply at 10- to 14-day intervals in second and later cover sprays.		
<b>Note:</b> Do not apply more than 5 lbs. per acre per application. Do not apply more than 40 pounds of this product per acre from bloom through postharvest. May be applied up to the day of harvest. 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, etc. as severe injury and defoliation may occur.		
Apples (Western U.S.) (REI = 24 hrs.)	Primary scab*	2.5 to 5 lbs.
<b>SPECIFIC DIRECTIONS:</b> Apply in 20 to 400 gals. of water per acre using ground equipment. To reduce potential for tolerance 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 lbs.
<b>SPECIFIC DIRECTIONS:</b> Apply in 20 to 400 gals. of water using ground equipment. Make 1 or 2 applications with late cover sprays and one final spray prior to harvest.		
<b>Note:</b> Do not apply more than 5 lbs. per acre per application. Do not apply more than 40 pounds of this product per acre from bloom through postharvest. May be applied up to day of harvest.		
Apricots (REI = 24 hrs.)	Brown rot (Twig blight), Jacket rot	1.88 to 3.0 lbs.
<b>SPECIFIC DIRECTIONS:</b> Apply in 20 to 250 gals. of water using ground equipment. Apply at red-bud, bloom, 75% petal fall and in cover sprays. To reduce potential for tolerance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures.		
<b>Note:</b> Do not apply more than 3 lbs. per acre per application. Do not apply more than 15.6 lbs. of this product per acre from prebloom through postharvest. May be applied up to day of harvest.		

13/18

Crop	Disease(s)	Rate per Acre
Blackberries, Dewberries, Raspberries (REI = 48 hrs.)	Anthracnose, Botrytis blight, Spur blight	2.5 lbs.
	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 lbs.
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.		
<b>Note:</b> Do not apply more than 2.5 lbs. 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	3.0 lbs.
	SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage. 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 3.0 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water by ground or in 5 to 20 gals. of water by air. Begin at mid-bloom, repeat at 7- to 10-day intervals until maturity.	
<b>Note: (All Blueberries):</b> Do not apply more than 3 lbs. per acre per application. Do not apply more than 43.75 lbs. of this product per acre from bloom through postharvest. May be applied up to day of harvest.		
Cherries (Eastern U.S.) (REI = 24 hrs.)	Botrytis rot, Brown rot, Leaf spot	2.5 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays. Application 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 lbs. 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 lbs. per acre in these sprays.	
	<b>Post-harvest Sprays:</b> Leaf spot - Apply 2.5 lbs. 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	1.88 to 2.5 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment. Apply in pre-bloom, bloom, petal fall, shuck, cover and pre-harvest sprays.	
<b>Note: (All Cherries):</b> Do not apply more than 2.5 lbs. per acre per application. Do not apply more than 17.5 lbs. of this product per acre from bloom through postharvest. May be applied up to day of harvest.		
Grapes (Except CA) (REI = 48 hrs.)	Downy mildew, Leaf spot, Phomopsis cane, Suppression of Black rot	1.25 to 2.5 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment when shoots are 0.5 to 1.5 inches long, 3 to 5 inches long and 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.	
	<b>Note: (All Grapes):</b> Do not apply more than 2.5 lbs. per acre per application. Do not apply more than 15 lbs. of this product per acre from bloom through postharvest. May be applied up to day of harvest.	
Grapes (CA) (REI = 48 hrs.)	Bunch rot (Botrytis)	2.5 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment. Make 2 applications before bloom and one immediately after bloom. Repeat periodically making 3 cover applications before bunches close.	
	Leaf spot, Phomopsis cane (current season infection)	2 to 2.5 lbs.
SPECIFIC DIRECTIONS: Apply in 20 to 200 gals. of water using ground equipment. 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.		

Crop	Disease(s)	Rate per Acre
Nectarines (REI = 24 hrs.)	Brown rot, Scab	2.5 to 5 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 250 gals. of water using ground equipment. To reduce the potential for tolerance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures. 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 necessary to maintain control. Continue applications throughout harvest if conditions favor Brown rot. If Powdery mildew is a problem, add 7.5 lbs. of sulfur per acre to the petal fall and shuck sprays and early cover spray. If sulfur is added, this product may be reduced to 1.6 lbs. per acre in these sprays.	
	Coryneum blight (Peach blight, Shothole)	2.5 to 5 lbs.
SPECIFIC DIRECTIONS: Apply in 20 to 250 gals. of water using ground equipment. Apply in pink bud, full bloom, petal fall and cover sprays as necessary and as a post-harvest spray (but before leaves drop).		
<b>Note:</b> Do not apply more than 5 lbs. per acre per application. Do not apply more than 30 lbs. of this product per acre from bloom through postharvest. Pre-harvest sprays may be applied up to day of harvest.		
Peaches (REI = 24 hrs.)	Brown rot, Scab	2.5 to 5 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water using ground equipment. To reduce the potential for tolerance development to other fungicides having a similar spectrum, use the lower rate in tank mixtures. Apply at full pink, bloom, petal fall and 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 lbs. 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 lbs. per acre in these sprays.	
	Coryneum blight (Peach blight, Shothole)	5 lbs.
SPECIFIC DIRECTIONS: Apply in 20 to 400 gals. of water using ground equipment. Apply at pink bud, full bloom, petal fall stages and in cover sprays as necessary and as a post-harvest spray (but before leaf drop).		
<b>Note:</b> Do not apply more than 5 lbs. per acre per application. Do not apply more than 40 lbs. of this product per acre from bloom through postharvest. Pre-harvest spray may be applied up to day of harvest.		
Plums, Fresh Prunes (Eastern U.S.) (REI = 24 hrs.)	Brown rot	3.75 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment. 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 lbs.
	SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment. Use the 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 lbs.
SPECIFIC DIRECTIONS: Apply in 20 to 300 gals. of water using ground equipment. Apply at full bloom.		
<b>Note: (All Plums, Prunes):</b> Do not apply more than 3.75 lbs. per acre per application. Do not apply more than 33.75 lbs. of this product per acre from bloom through postharvest. May be applied up to day of harvest.		
Strawberries (REI = 24 hrs.)	Botrytis (Gray mold), Leaf spot	1.88 to 3.75 lbs.
	SPECIFIC DIRECTIONS: Apply in sufficient water for thorough coverage by ground equipment. 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.	
<b>Note:</b> Do not apply more than 3.75 lbs. per acre per application. Do not apply more than 30 lbs. of this product per acre from bloom through postharvest. May be applied up to day of harvest.		

**NOTE:** If applying as a directed/banded spray; use band rate of this product according to the following formula:

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

14/18

**SPECIAL USES**

**PEACH PRE-PLANT ROOT DIP (CA):** 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 1.6 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 1.6 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 the 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 turf Ornamental sites. Observe all restrictions such as maximum pounds applied per application and season. When calculating application rates, if analytical services are not available to determine the exact quantity of captan remaining in the mixture, assume that the tank still contains 1.6 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 to the eyes. 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 (FOR COMMERCIAL USE)**

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

**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.

Crop	Disease(s)	Rate of this Product per 100 Gallons 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.	

Crop	Disease(s)	Rate of this Product per 100 Gallons of Water
Chrysanthemums	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 (Sclerotium rolfsii)	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	0.33 to 1.0 lb. per 10 gals. water
	SPECIFIC DIRECTIONS: Dip corms 20 to 30 minutes. Drain and plant.	
Grasses (Ornamental in non-pastured areas only)/Turf (Golf Course)	Brown patch, Brown spot (on St. August-line grass), Damping-off, Leaf spot, Melting out, Seeding blight	1.25 lbs.
	SPECIFIC DIRECTIONS: Apply 10 gallons of spray per 1,000 square feet. Begin when growth starts in Spring. Repeat at 7- to 14-day intervals throughout season. Do not apply more than 5.4 lbs. per acre per application. Do not apply more than 10.75 pounds of this product per acre per season. Do not graze treated areas or feed clippings to livestock. Do not enter or allow others to enter until sprays have dried. Do not apply to Turf in residential areas, including homes, apartment buildings, daycare centers, schools, playgrounds, parks, recreational areas, sports fields or other residential areas.	
Grasses (Lawn Seedbeds)/Turf (Sod Farms)	Damping-off and other soil-borne diseases	1.25 lbs.
	SPECIFIC DIRECTIONS: Apply 10 gallons of spray per 1,000 square feet. Cultivate into upper 3 to 4 inches before planting. Do not apply more than 5.4 lbs. per acre per application. Do not apply more than 10.75 pounds of this product per acre per season. The REI is 48 hours. Do not harvest Sod until 48 hours after application.	
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.	
Soil and Greenhouse bench treatment	Preplant treatment for damping-off, root rot diseases on seedlings or transplants of roses (and other shrubs, trees, flowers) and lawn seedbeds.	1.25 lbs.
	SPECIFIC DIRECTIONS: Apply 15 gallons of spray per 1,000 square feet. Cultivate into upper 3 to 4 inches of soil before planting. The REI for soil and greenhouse bench treatments is 48 hours. Once the treatment, and immediately following seeding and transplanting activities are complete, the 48-hr. REI begins. EXCEPTION: Once the seeds or transplants are planted in the soil, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no contact with the soil subsurface.	

**STORAGE AND DISPOSAL**

Do not contaminate waste, food or feed by storage and 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:** 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:** Do not reuse container. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration or, if allowed by State and Local authorities. If burned, stay out of smoke.

**WARRANTY—CONDITIONS OF SALE**

OUR RECOMMENDATIONS 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 recommended 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.

**SPLIT LABEL  
(Home & Garden  
Package)**

15/18



**NOTIFICATION**

**AUG 29 2007**

**Captan 80W**  
Fungicide

**ACTIVE INGREDIENTS:**

Captan ..... 78.3%  
Related derivatives ..... 1.7%

**OTHER INGREDIENTS:** ..... 20.0%

**TOTAL:** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN  
WARNING / AVISO**

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. 19713-405

EPA Est. No. 19713-GA-001

Net Contents: 8 ozs.

FIRST AID
<p><b>IF IN EYES:</b></p> <ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>IF SWALLOWED:</b></p> <ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<p><b>IF ON SKIN OR CLOTHING:</b></p> <ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>IF INHALED:</b></p> <ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.</p>
<p><b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**WARNING:** Causes substantial but temporary eye damage. Do not get in eyes or on clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

The following PPE are recommended to be worn when handling this product: Goggles or face shield, chemical-resistant gloves when using indoors or outdoors, long pants and long-sleeved shirt, and shoes plus socks. Remove contaminated clothing and launder 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. Wash contaminated clothing before reuse. 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. 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:** CAPTAN 80W can be combined safely and effectively at recommended dosage 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 mixtures 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. The time factor governing the safe interval between this product and oil sprays varies due to general climatic conditions; 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 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 recommended rates and avoid drenching trees.

**APPLICATION INFORMATION**

Pour recommended 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.)

**Note:** There are 5 level tablespoons or 15 level teaspoons per ounce of this product.



Manufactured By:

**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

**SINCE 1972**



16/18

**GENERAL USE PRECAUTIONS**

Do not apply this product to seeds or seed pieces.  
 Do not apply to residential lawns. 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.  
 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 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 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 Teaspoon(s) per 1 Gallon 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 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.		
<b>Note:</b> May be applied up to day of harvest. 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, etc., as severe injury and defoliation may occur.		
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. *Secondary Scab - In midsummer cover sprays, the dosage may be reduced to 1.5 teaspoons per gallon of water. May be applied up to day of harvest.	
	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 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. May be applied up to day of harvest.	

Crop	Disease(s)	Rate: Level Teaspoon(s) per 1 Gallon 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 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. May be applied up to day of harvest.	
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. 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 1 gallon of water. Apply immediately after harvest and repeat application in 10 to 14 days. May be applied up to day of harvest.	
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. May be applied up to day of harvest.	
Grapes (Except CA)	Downy mildew, Leaf spot, Phomopsis cane, 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 on susceptible Grape varieties and during periods of weather highly favorable for disease development. May be applied up to day of harvest.	
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.	
	Leaf spot, Phomopsis cane (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. May be applied up to day of harvest.		



17/18

Crop	Disease(s)	Rate: Level Teaspoon(s) per 1 Gallon 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, Shoehole)	2.4 to 4.8
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, Shoehole)	3
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. May be applied up to day of harvest.	
	SPECIFIC DIRECTIONS: Apply in pink bud, full bloom, petal fall, and cover sprays as necessary and as a post-harvest spray (before leaves drop). Pre-harvest spray may be applied up to day of harvest.	
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
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. May be applied up to day of harvest.	

**ORNAMENTALS**

**Use Precautions**

Do not apply to Lawns. Do not apply 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.

Crop	Disease(s)	Rate per Gallon of Water
Azaleas	Damping-off of cuttings	1.9 tbsps.
	SPECIFIC DIRECTIONS: Dip cuttings before bedding.	
	Petal blight	1.25 tbsps.
Begonias (Tuberous)	SPECIFIC DIRECTIONS: Apply to soil area around plants and spray flowers just before bloom. Repeat at 7- to 14-day intervals through bloom.	
	Damping-off, Tuber rot	1.5 ozs.
Camellias	SPECIFIC DIRECTIONS: Dip tubers for 30 minutes, drain and plant.	
	Petal blight	0.5 tbsp.
Camellions	SPECIFIC DIRECTIONS: Apply to drench soil around plants beginning when flowers start to open. Repeat at 7- to 10-day intervals through bloom.	
	Alternaria leaf spot, Rust	1.25 tbsps.
	SPECIFIC DIRECTIONS: Begin application at first sign of disease. Repeat at 7- to 10-day intervals. Shorten intervals during frequent rains and heavy dews.	
Chrysanthemums	Damping-off of cuttings	1.9 tbsps.
	SPECIFIC DIRECTIONS: Dip cuttings before bedding.	
	Botrytis flower blight, Septoria leaf spot	1.25 tbsps.
Dichondra (CA Only)	SPECIFIC DIRECTIONS: Apply at first sign of disease. Repeat at 7- to 10-day intervals.	
	Damping-off of cuttings	1.9 tbsps.
	SPECIFIC DIRECTIONS: Dip cuttings before bedding.	
Gладиолус (Corms)	White mold ( <i>Sclerotium rolfsii</i> )	0.02 oz. (0.2 tsp.)
	SPECIFIC DIRECTIONS: Apply 1 gallon of spray per 10 square feet. Make only 2 applications per season.	
Roses	Corn rot and Decay, Damping-off	2.6 to 8 tbsps.*
	SPECIFIC DIRECTIONS: (*Equivalent to 0.33 to 1 pound of this product in 10 gals. of water) Dip corms 20 to 30 minutes. Drain and plant.	
Soil and Greenhouse bench treatment	Black spot, Botrytis blossom blight	1.25 tbsps.
	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.	
Soil and Greenhouse bench treatment	Preplant treatment for damping-off, root rot diseases on seedlings or transplants of roses (and other shrubs, trees, flowers) and lawn seedbeds.	1 tbsp.
	SPECIFIC DIRECTIONS: Use at a rate of 15 gallons of spray per 1,000 square feet. Cultivate into upper 3 to 4 inches of soil before planting. The REI for soil and greenhouse bench treatments is 48 hours. Once the treatment, and immediately following seeding and transplanting activities, are complete, the surface of the soil cannot be disturbed for 48 hours.	

18/18

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and 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 (For Residential/Household Uses):**

**If empty:** Do not reuse this container. Place in trash or offer for recycling if available.

**If partly 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 RECOMMENDATIONS 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 recommended 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.