

PM 23 10102  
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MAR 18 1994

Ms. Nancy Bockrath  
Zeneca Agricultural Products  
1800 Concord Pike  
Wilmington, DE 19897

Dear Ms. Bockrath:

Subject: Captan 75 Seed Protectant Fungicide  
EPA Registration No. 10182-290  
Application Dated March 8, 1994, Revising Labeling  
To Reflect Deletion of Rhodamine B from Product,  
Reformatting of Label and Changing Company Identity

The proposed captioned amendments to the registration of the subject pesticide product have been reviewed and found to be acceptable for registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended provided that you:

- o Submit five (5) printed copies of the final printed label before releasing the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

E.wilson:03-16-94: Diskette #0007c

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**CAPTAN® 75  
SEED PROTECTANT**

**(FUNGICIDE)**

A Slurry Product - CONTAINS BINDER  
Prevents Seed Rot and Damp-Off Diseases

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAR 18 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-290

**ACTIVE INGREDIENT:**

\*Captan ..... 73.3%  
Related Derivatives ..... 1.7%

**INERT INGREDIENTS** ..... 25.0%

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

\*N-Trichloromethyl thio-4-cyclohexene-1,2-dicarboximide

~~This product contains the toxic inert ingredient Rhodamine B~~

EPA Reg. No. 10182-290  
EPA Est. No. 10182-

Net Weight:

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**See Side Panel for Additional Precautionary Statements**

Made in U.S.A.  
ZENECA Ag Products  
ZENECA Inc.  
Wilmington, DE 19897

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## STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED.** Contact physician, Poison Control Center, or emergency clinic before inducing vomiting. Give water or milk to drink and induce vomiting by touching back of throat with finger, or by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. If medical advice cannot be obtained, take person and a copy of the label or technical bulletin to the nearest emergency treatment facility.

**IF IN EYES:** Immediately flush eyes with plenty of clear water and get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. See a doctor if irritation occurs or rash develops.

**IF INHALED:** Remove person from exposure area.

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**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.**

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### DANGER

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic reactions. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Avoid inhalation of dust. Remove and separately launder clothing before reuse.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not clean equipment or dispose of equipment washwater in a manner that will contaminate water resources. In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.

### DIRECTIONS FOR USE

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Mixers/loaders when mixing and loading this product must wear a long-sleeved shirt and long pants or coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, goggles or a face shield and a chemically-resistant apron.

Fieldworkers and harvesters must wear chemical-resistant gloves if entering treated areas within 4 days following application. Leather or fabric gloves are not acceptable.

A dust mask must be worn when mixing and loading this product.

**AFTER WORK:** Take off clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with CAPTAN must be destroyed according to state and local regulations.

CAPTAN 75 SEED PROTECTANT is a special formulation containing CAPTAN for seed treatment application. CAPTAN 75 Seed Protectant now contains a binder which helps to adhere the treater to the seed so that there is minimum loss during processing and planting. Has no adverse effect on seed germination or planting rate. It is used in preventing seed rot and damp-off diseases on germinating seedlings and smut on onion and hulled sorghum seeds.

### USE PRECAUTIONS

When using formulations that do not contain dye, to comply with 21 CFR Chapter 1, Section 2.5, all seed treated with a pesticide must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

**SLURRY TREATMENT:** When used in slurry treaters, do not allow mixtures to stand overnight. Clean out equipment thoroughly between treating operations.

**GLADIOLUS CORMS: FOR PREVENTION OF BULB ROT -** Use 1½ ounces in 1 gallon water (1 pound to 10 gallons). Soak bulbs in mixture 20 to 30 minutes.

**GRASS SEED (RANGE GRASSES SUCH AS WHEATGRASS AND BROMEGRASS): TO CONTROL PODOSPORIELLA VERTICILLATA:** 12 oz. CAPTAN 75 Seed Protectant per 100 pounds seed. Apply as slurry treatment.

**ONION SEED PELLETING:** Use 1 pound CAPTAN 75 Seed Protectant per 1 pound of seed plus ¼ pint methyl cellulose 5% solution.

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THE FOLLOWING TABLE gives amount of CAPTAN 75 Seed Protectant to use on various seeds. DO NOT USE ON BABY LIMA BEANS.

SEED	Dosage Rate	Lbs. Seeds Treated/ lb. of Product
CORN - Field	1¼ oz./100 lbs. 2/3 oz./bu	1280
CORN - Sweet	2-2/3 oz./100 lbs. 1½ oz./bu	600
WHEAT	1¼ oz./100 lbs. 2/3 oz./bu	1280
OATS	2 oz./100 lbs. 2/3 oz./bu	800
BARLEY	1½ oz./100 lbs. 2/3 oz./bu	1070
FLAX	2½ oz./100 lbs. 1-1/3 oz./bu	640
BEANS (Except Baby Limas) PEAS	1-3/4 oz./100 lbs. 1 oz./bu	910
LENTILS (Washington & Idaho Only)	1-3/4 oz./100 lbs.	910
CARROT	6 oz./100 lbs.	265
CUCUMBERS, CANTALOUPE	2 oz./100 lbs.	800
SQUASH, PUMPKIN, WATERMELON	1-1/3 oz./100 lbs.	1200
BEETS, SWISS CHARD	8 oz./100 lbs.	200
RUTABAGA	3 oz./100 lbs.	530
SUGAR BEETS	8 oz./100 lbs.	200
CLOVER ALFALFA	5½ oz./100 lbs. 3-1/3 oz./bu	290
SOYBEANS	1-2/3 oz./100 lbs. 1 oz./bu	960
TURNIP	2 oz./100 lbs.	800
COTTON - Acid Delinted	2 oz./100 lbs.	800
COTTON - Machine Delinted Fuzzy (not delinted)	3 oz./100 lbs.	530

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SEED	Dosage Rate	Lbs. Seeds Treated/ lb. of Product
BLUE GRASS	5½ oz./100 lbs.	290
CABBAGE, CAULIFLOWER, RADISH, BROCCOLI, BRUSSELS SPROUTS	1 oz./100 lbs.	1600
SPINACH, EGGPLANT	4 oz./100 lbs.	400
SORGHUM hulled (Kernel Smut)	3 oz./100 lbs.	530
PEPPERS	2 oz./100 lbs.	800
COWPEAS	2 oz./100 lbs. 1¼ oz./bu.	800
RYE	1-¾ oz./100 lbs.	910
SESAME	1 oz./100 lbs.	1600

Do not feed treated seed to animals. Do not reuse treated seed for human consumption. Seeds treated with CAPTAN 75 Seed Protectant, sold or shipped as feed or foodstuffs may be considered adulterated under state and federal laws. Treated seed must be labeled as follows: "TREATED SEED. DO NOT USE FOR FOOD, FEED OR OIL."

### STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

**STORAGE:** Keep pesticide in original container. Do not store or transport near feed or food. Store in cool, dry place. Protect from excessive heat. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

**PESTICIDE DISPOSAL:** This product is 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:** Completely empty liner by shaking and taping sides and bottom to loosen clinging particles. Empty residue into application equipment. Do not reuse container. Dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

**NOTICE TO BUYER AND USER:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller, and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S., NA 9188, (CAPTAN)