

SEP 29 1994

Ms. Lana L. Sargent  
Zeneca Inc.  
Zeneca Agricultural Products  
1800 Concord Pike  
Wilmington, DE 19897

Dear Ms. Sargent:

Subject: Zeneca Captan 65 Sprills Fungicide  
EPA Registration No. 10102-291  
Applications dated September 2, 1994, request  
to revise dosages for seed treatments and to  
reformat personal protective equipment directions.

The proposed labeling resubmitted with your application  
of September 2, 1994 has been reviewed and found acceptable  
for registration under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, provided that you:

• Submit one (1) copy 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 labeling is enclosed for your records.

Sincerely yours,

Joanne L. Miller  
Product Manager (23)  
Fungicide-Rodenticide Branch  
Registration Division (7501)

ENCLOSURE

L.Wilson: DisketteABC14:09-26-94

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**CAPTAN SPRILLS® SEED PROTECTANT FUNGICIDE**

**A Slurry Product - - DOES NOT CONTAIN BINDER**

**Prevents Seed Rot and Damp Off Diseases**

**ACTIVE INGREDIENTS:**

|                                 |               |
|---------------------------------|---------------|
| *Captan .....                   | 61.5%         |
| Related Derivatives .....       | 1.4%          |
| <b>INERT INGREDIENTS:</b> ..... | <u>37.1%</u>  |
| <b>TOTAL</b> .....              | <b>100.0%</b> |

\*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

**DOES NOT CONTAIN DYE**

EPA Reg. No. 10182-291  
EPA Est. No.

Net Contents:

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO**

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

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

SEP 29 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registration under EPA Reg. No.

10182-291

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

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## STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Immediately flush eyes with fresh water for 15 minutes and see a doctor.

**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 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 (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 AND DOMESTIC ANIMALS

#### DANGER

CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE ALLERGIC SKIN 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.~~

### PERSONAL PROTECTIVE EQUIPMENT

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

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when mixing or loading
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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

When handlers use 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.

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### **User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
  - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
  - 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.
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### **ENVIRONMENTAL HAZARDS**

This product 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. Do not contaminate water when disposing of equipment washwaters. In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.

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## 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.**

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.

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box, or other seed-treatment applications at or immediately before planting.

~~Mixers/loaders when mixing and loading this product must wear a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, goggles or a face shield and 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 all 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 SPRILLS Seed Protectant has no adverse effect on seed germination or planting rate when used as directed. It is used in preventing seed rot and damp off diseases on germinating seeds and 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.

## MIXING DIRECTIONS

Fill the mix and tank one-half to two-thirds full with water. While continuously agitating, add the recommended amount of Captan SPRILLS Seed Protectant. If other seed protectant products are to be added to the mix tank, they should be added after the Captan SPRILLS Seed Protectant in the following order: wettable powders, wet or dry flowables, emulsifiable concentrates, soluble powders or liquids. Add the recommended amount of Binder to the mix tank last. Bring the mixture volume up to that desired by adding water.

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**NOTE:** The mixtures in the mix tank must be agitated continuously during the mixing process.

**GLADIOLUS CORMS:** For prevention of Bulb Rot -- Use 1¾ oz. Captan SPRILLS Seed Protectant in 1 gal. water (17½ oz. to 10 gals.). Soak corms in mixture 20 to 30 minutes.

**ONION SEED PELLETING:** Use 18½ oz. Captan SPRILLS Seed Protectant per 1 lb. of seed plus ¼ pt. methyl cellulose 5% solution.

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

**CONTAINS NO DYE  
 CONTAINS NO BINDER**

Binder must be added to the mixing tank at the rate of 2 quarts of binder per 30 pounds of Captan SPRILLS Seed Protectant.

THE FOLLOWING TABLE gives the amount of Captan SPRILLS Seed Protectant to use on various seeds. Do not use on baby lima beans.

| SEED                              | DOSAGE RATE                             | LBS SEEDS TREATED/<br>LB OF PRODUCT |
|-----------------------------------|---|-------------------------------------|
| CORN - Field                      | 1 - 2 oz/100 lbs<br>0.5 - 1.0 oz/bu     | 800 - 1600                          |
| CORN - Sweet                      | 1.6 - 3.2 oz/100 lbs<br>0.93 - 1¾ oz/bu | 500 - 1000                          |
| WHEAT                             | 1½ oz/100 lbs<br>¾ oz/bu                | 1070                                |
| OATS                              | 2¾ oz/100 lbs<br>¾ oz/bu                | 710                                 |
| FLAX                              | 3 oz/100 lbs<br>1½ oz/bu                | 530                                 |
| BEANS (Except Baby Limas)<br>PEAS | 1.6 - 2 oz/100 lbs<br>1 - 1¼ oz/bu      | 800 - 1000                          |
| LENTILS (WA & ID Only)            | 2 oz/100 lbs                            | 800                                 |
| CARROT                            | 7 oz/100 lbs                            | 230                                 |
| CUCUMBERS, CANTALOUPE             | 2¼ oz/100 lbs                           | 710                                 |
| SQUASH, PUMPKIN<br>WATERMELON     | 1½ oz/100 lbs                           | 1070                                |
| BEETS, SWISS CHARD                | 9¼ oz/100 lbs                           | 170                                 |
| RUTABAGA                          | 3½ oz/100 lbs                           | 460                                 |

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| SEED   | DOSAGE RATE               | LBS SEEDS TREATED/<br>LB OF PRODUCT |
|--|---------------------------|-------------------------------------|
| SUGAR BEETS  | 9¼ oz/100 lbs             | 170                                 |
| CLOVER<br>ALFALFA  | 6¼ oz/100 lbs<br>3¾ oz/bu | 260                                 |
| SOYBEANS   | 2 oz/100 lbs<br>1¼ oz/bu  | 800                                 |
| TURNIP   | 2¼ oz/100 lbs             | 710                                 |
| COTTON-Acid Delinted   | 2¼ oz/100 lbs             | 710                                 |
| COTTON-Machine Delinted<br>Fuzzy (not delinted)                | 3 ½ oz/100 lbs            | 460                                 |
| BLUE GRASS   | 6¼ oz/100 lbs             | 260                                 |
| CABBAGE, CAULIFLOWER,<br>RADDISH, BROCCOLI,<br>BRUSSEL SPROUTS | 1¼ oz/100 lbs             | 1280                                |
| SPINACH, EGGPLANT  | 4¼ oz/100 lbs             | 360                                 |
| SORGHUM hulled<br>(Kemel Smut)                                 | 3½ oz/100 lbs             | 460                                 |
| PEPPERS  | 2¼ oz/100 lbs             | 710                                 |
| COWPEAS  | 2¼ oz/100 lbs<br>1½ oz/bu | 710                                 |
| RYE  | 2 oz/200 lbs              | 800                                 |
| SESAME   | 1¼ oz/100 lbs             | 1280                                |

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

**TREATED SEED DISPOSAL:** To dispose of out-of-date or otherwise unmarketable seed which has been treated with captan for seed protectant purposes: Broadcast and lightly incorporate seed into field soils using a disc or other suitable implement. If rate of captan contained on the seed is unknown, have seed analyzed by a qualified analytical laboratory to determine. Do not plant seed at a seedling rate which will result in the application of more than 32 pounds of captan per acre per year. Any resulting crop may be destroyed by chemical or mechanical means, or, if useful for food or feed purposes, may be harvested for that use.

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## **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 put concentrate or dilute into food or drink containers. Do not store or transport near feed or food. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

**PESTICIDE DISPOSAL:** This pesticide is acutely hazardous. Improper disposal of excess pesticide 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 tapping side 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.

RQ Hazardous Substance, solid. NA0188 (Captan) ORM-E

**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.