



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

SEP 8 1994

DANA ENYEDY  
 ZENECA, INC.  
 1800 CONCORD PIKE  
 WILMINGTON, DE 19897

OFFICE OF  
 PREVENTION, PESTICIDES AND  
 TOXIC SUBSTANCES

**Subject:** Label Amendment Submission of 06/09/94 in Response to PR Notice 93-7  
 EPA Reg. No. 10182-146  
 STAUFFER CAPTAN 10 DUST

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



**Recycled/Recyclable**  
 Printed with Soy/Canola Ink on paper that  
 contains at least 50% recycled fiber

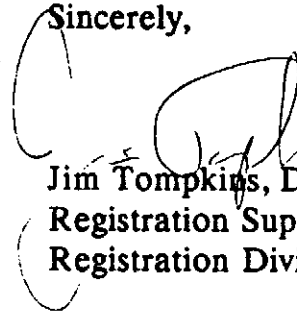
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Dana Enyedy  
ZENECA INC  
1800 CONCORD PIKE  
WILMINGTON DE 19897

Comment for: EPA Reg Nr.10182-146  
STAUFFER CAPTAN 10 DUST

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

The Agricultural Use Requirements section must be located in a clearly separate box on the product labeling -- with lines or other graphic indicators (such as contrasting color) to separate the section from the surrounding text.

The following statement on your proposed label is not required for this product: "Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas." Delete it from the Agricultural Use Requirements box.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Captan 10 Dust

CAP146C.RSA - RS-060394A

4810

ACCEPTED  
with COMMENTS  
by EPA Letter Dated

SEP 8 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-146

**CAPTAN 10 DUST**

An Agricultural Fungicide

**ACTIVE INGREDIENTS:**

*Captan .....	9.7%
Related Derivatives .....	0.2%

<b>INERT INGREDIENTS:</b> .....	90.1%
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<b>TOTAL</b> .....	100.0%
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\*N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide

**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.)**

**CAUSES IRREVERSIBLE EYE DAMAGE**

**STATEMENT OF PRACTICAL TREATMENT**

**FIRST AID:** Immediately start the procedures given below and contact a POISON CONTROL CENTER, PHYSICIAN, OR THE NEAREST HOSPITAL. Describe the type and extent of exposure, the victim's symptoms and follow the advice given.

**IF IN EYES:** Flush with plenty of water. Call a physician.

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.

**IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if abnormal reaction occurs.

**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 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)

~~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 pesticide 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 clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources. In the event that treated seed pieces are spilled and cannot be salvaged, completely cover them with soil.

**READ ALL LABEL DIRECTIONS BEFORE USING**

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America.

EPA Reg. No. 10182-146

\_\_\_\_\_ LB. NET \_\_\_\_\_ Kg.

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

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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.

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.

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### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days.

**Exception:** For the last 48 hours of the REI, workers may enter the treated area to perform hand labor or other tasks involving contact with anything that has been treated, such as plants, soil or water, without time limit, if they wear the early entry PPE listed below.

**Exception:** If the product is used for seed treatment, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

Notify workers of the application by warning them orally or by posting warning signs at entrances to treated areas.

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The Environmental Protection Agency has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates.

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Consult State Agricultural Experiment Stations or the State Agricultural Extension Service for additional information, as the timing, number and rate of applications needed will vary with local conditions.

Apply the specified amounts of this product uniformly to the foliage when air is calm, using ground equipment or aircraft. Apply at the first sign of infection and repeat at 5 to 10 day intervals as needed to maintain control.

### USE PRECAUTIONS

~~Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.~~

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

~~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 a chemically resistant apron.~~

~~Fieldworkers and harvesters must wear chemical resistant gloves. Leather or fabric gloves are not acceptable.~~

~~During application only, from a tractor with a completely enclosed cab or from aircraft with an enclosed cockpit, a long sleeved shirt and long legged pants must be worn. Chemically resistant gloves must be available in the cab or cockpit and worn while exiting.~~

~~Only the applicator is permitted to be in the greenhouse during application of captan. Open vents to greenhouse during application and for at least 1 hour after application.~~

~~Workers planting in captan treated soil must wear chemical resistant gloves.~~

~~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.~~

### REENTRY

- ~~Do not apply this product in such a manner as to directly or through drift exposure workers or other persons. The area being treated must be vacated by unprotected persons.~~
- ~~Do not allow persons to enter treated areas within 4 days following application unless a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet chemically resistant gloves are worn. Conspicuously post reentry information at site of application.~~
- ~~Certain states may require more restrictive reentry intervals for various crops treated with this product. Consult your State Department of Agriculture for further information.~~



~~Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warning cannot be understood by workers.~~

## RECOMMENDATIONS

**POTATO SEED PIECE TREATMENT:** Damping-off, seed rot fungi, brown eye disease, verticillium wilt -- Apply at the rate of 7½ ounces per bushel cut seed pieces (12 ounces to 100 pounds of cut seed pieces). Apply in convenient container or by duster attachment over belt. Coat each seed piece evenly with a light film of dust. Treat pieces within 6 hours after cutting. If planting is delayed, store treated seed pieces in open crates for two days before bagging.

Federal government and most states have seed laws and regulations requiring an appropriate caution statement be affixed to bags containing treated seed such as "Treated Seed - DO NOT use for food or feed."

**SOIL AND GREENHOUSE BENCH TREATMENT:** For damping-off and root rot diseases of seedlings and transplants of roses, other shrubs, flowers and lawn seedbeds. Apply 1½ pounds per 1,000 square feet (60 pounds per acre). Work into upper 3 or 4 inches of soil before planting.

Only the applicator is permitted to be in the greenhouse during application of captan. Open vents to greenhouse during application and for at least 1 hour after application.

~~Workers planting in captan-treated soil must wear chemical resistant gloves.~~

**ORNAMENTALS: ROSES** - (black spot), **CARNATION** - (rust, leaf spot), **CHRYSANTHEMUM** - (flower blight), apply thoroughly prior to or at first sign of disease.

Repeat applications at 7 to 10 day intervals. Shorten interval during periods of frequent rain and heavy dews.

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**STORAGE AND DISPOSAL**

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

**STORAGE:** Keep pesticide in original container. 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:** 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.

**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.

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