

JAN 26 1995

Ms. Dana Sargent  
Zeneca Agricultural Products  
Zeneca Inc.  
P.O. Box 15458  
Wilmington, DE 19850-5458

Dear Ms. Sargent:

Subject: CAPTAN MOLY SOYBEAN SEED PROTECTANT  
EPA Registration No. 10182-316  
Application Dated January 18, 1995, request To  
Amend Labeling To Comply with EPA Worker  
Protection Standard Requirements, with Seed  
Treatment Exception

The subject labeling submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended is acceptable provided that you:

1. In compliance with PR Notice 93-8, delete the phrase "for terrestrial uses" from the wetland statement in the Environmental Hazards section, because there are no directions for aquatic uses for this product.
2. Either deleted or revised to describe when this product can be used on previously treated seed. If the seed has been previously treated with captan you must submit information to show that this use has added benefits that would out-weigh the hazards associated with the use claim. If you wish to support the claim, a statement regarding compliance with the labeling of the pesticide that had been applied must be added to the use-pattern.
3. The confidential statement of formula must be updated to reflect the source of the active ingredient captan.
4. Submit five (1) copy of the final printed label before releasing the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA,

**BEST AVAILABLE COPY**

-2-

Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely yours,

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

Enclosure

E. Wilson: Diskette ABC13: 01-06-95

**BEST AVAILABLE COPY**

**CAPTAN MOLY SOYBEAN SEED PROTECTANT**

(FUNGICIDE with Graphite)  
Contains Captan & Molybdenum

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN 26 1995

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

10182-316 24.4%

**ACTIVE INGREDIENTS:**

*Captan .....	24.4%
Related Derivatives .....	0.6%
<b>**INERT INGREDIENTS:</b> .....	<b>75.0%</b>
<b>Total</b> .....	<b>100.0%</b>

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

\*\*Contains the equivalent of 4.75% Molybdenum from sodium molybdate. Also contains 15% of Non-Oil Lubricant.

**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 PRECAUTIONARY STATEMENTS**

**STATEMENT OF PRACTICAL TREATMENT**

**FIRST AID:** If a known exposure occurs or is suspected, immediately start the procedures given below and CONTACT A POISON CONTROL CENTER, A PHYSICIAN OR THE NEAREST HOSPITAL. Describe the type and extent of exposure, the victim's symptoms, and follow the advice given.

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

**IF SWALLOWED:** Contact a 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 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.

---

**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.**

---

EPA Reg. No. 10182-316  
EPA Est. No.

**Net Contents:**

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

) NOTE: This product is sold by weight and package is full when packed, but due to fluffy nature this material is inclined to settle.

)

## 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)

**BEST AVAILABLE COPY**

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.

---

#### 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.

---

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, 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 clean equipment or dispose of equipment washwaters 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.

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, 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 personal protective equipment listed below.

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.

**BEST AVAILABLE COPY**

**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.

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

---

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 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.~~

~~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 Moly Soybean Seed Protectant is a specifically designed formulation for the treatment of soybean seed. Captan Moly Soybean Seed Protectant protects sound and/or mechanically injured seed against seed and soil-borne diseases such as seedling blights, damping-off and seed decay organisms at planting time. It also provides molybdenum which is essential to the nitrogen-fixing nodule bacteria.

Designed to protect seed at planting time, Captan Moly Soybean Seed Protectant enables the farmer to avoid the additional handling of commercial seed treatment, thus lowering the percent of cracked or split seed planted. At recommended dosage rates, this product assures adequate seed coverage and allows any excess to flow down with the seed into the furrow, thus affording maximum protection. Can be used on previously treated seed.

Soybeans are most likely to benefit from treatment with this product when planted in acidic soils (soils needing liming), heavily leached soils, or soils high in iron content.

#### **DIRECTIONS: MEASURING CUP ENCLOSED**

**SOYBEANS:** Use Captan Moly Soybean Seed Protectant as a planter box treatment at the rate of 4 oz. per bushel or 7 oz. per 100 lbs. seed. When seed is planted at the rate of one bushel per acre, this will provide the needed 1/2 oz. of sodium molybdate per acre.

For improved mixing of product with seed, the following procedure is suggested: Fill planter box only half full of seed, add half the required amount of Captan Moly Soybean Seed Protectant and mix thoroughly with a stick. Then add the remainder of seed in planter box and add the rest of the required amount of Captan Moly Soybean Seed Protectant, mixing thoroughly again. Good results are also obtained by premixing seed with the product in a suitable container, then pouring treated seed into planter box. One level measuring cup holds approximately 4 oz. of product. This will treat one bushel of soybean seed.

Do not feed treated seed to animals. Do not use treated seed for human consumption. Seeds treated with Captan Moly Soybean 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."

17-25-74

**BEST AVAILABLE COPY**

## 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. Store in cool, dry place. Protect from excessive heat. 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 1-800-424-9300.

**PESTICIDE DISPOSAL:** This product 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:** Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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.