

41-23 10,75-177
SEP 19 1995

Ms. Nancy Bockrath
Zeneca Agricultural Products
P.O. Box 15458
Wilmington, DE 19850-5458

Dear Ms. Bockrath:

Subject: Captan 50 Seed Protectant
EPA registration no. 10152-190
Application Dated August 4, 1995, Updating Label
To Exclude Product from the EPA Worker Protection Standard
and Minor Revisions; and Resubmission of the
Proposed Labeling with Your Letter Dated September 12, 1995

The proposed amended label submitted September 12, 1995 for
the subject pesticide product registration has been reviewed and is
acceptable under the Federal Insecticide, Fungicide and Rodenticide
Act (FIFRA), as amended, provided that you:

1. submit one (1) copy of the final printed label
before you release the product for shipment under
the subject label.

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)

Enclosure

E. Wilson: Diskette ABC22:09-19-95

CONCURRENCES

SYMBOL	SURNAME	DATE						

ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 19 1995

Page 1 of 7
Captan 80SP
CAP190.RSA 091295

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-190

CAPTAN 80 SEED PROTECTANT

SLURRY APPLICATION FOR SEED DISEASE CONTROL

COMMERCIAL USE ONLY

ACTIVE INGREDIENTS:

*Captan	78.3%
Related Derivatives	1.8%
INERT INGREDIENTS:	<u>19.9%</u>
TOTAL	100.0%

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

EPA Reg. No. 10182-190
EPA Est. No.

50 lbs. Net 22.7 Kg
A-5R

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

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

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19850-5458

STATEMENT OF PRACTICAL TREATMENT

Immediately start the procedures given below and CONTACT A POISON 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 ON SKIN: Wash with plenty of soap and water. Get medical attention if abnormal reaction occurs.

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

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 CHEMREC 1-800-424-9300.

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. Avoid contact with skin and clothing. Avoid inhalation of dust or spray mist.

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.

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. 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.

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.

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.

CAPTAN 80 SEED PROTECTANT is a microfine wettable powder especially formulated for the treatment of seed, prior to storage and planting, to protect seed from molds and other fungi causing storage loss and to protect seed from seed-borne and soil-borne fungi which cause seed decay and seedling blights.

COMPATIBILITY: CAPTAN 80 SEED PROTECTANT can be used in combination with most commonly-used seed protectants, both insecticides and fungicides, as well as fertilizers. Do not use with strongly alkaline materials.

PLANT SAFETY: At the recommended dosage, CAPTAN 80 SEED PROTECTANT is non-injurious from the standpoint of seed injury or yield reduction. The germination of treated seed is frequently stimulated, giving a superior result as compared to results from other seed fungicides.

SPECIAL USE PRECAUTIONS

SLURRY TREATMENT: Pre-mix the recommended amount of this material with a little water in a bucket and make a thin paste. Stir this paste into the required amount of water for the slurry equipment to be used.

NOTE: Seed treated by the slurry method should not be bagged until such time as the seed has had an opportunity to dry. Store in well ventilated areas. If seed is bagged when wet, heat is developed and impairs seed germination.

RECOMMENDATIONS

For control of many seed rots, seedling rots, root rots, fungi and kernel smut of sorghum.

AMOUNT OF CAPTAN 80 SEED PROTECTANT TO USE ON SEEDS

SEED	SLURRY
Alfalfa, Clover, Lespedeza, Trefoil	5 oz./100 lb.
Barley, Oats, Wheat	2/3 oz./1 bu.
Beans (dry, snap, lima), Cowpeas, Peas	1 oz./bu.
Beets (garden)	7-1/2 oz./100 lb
Cantaloupe, Cucumber	2 oz./100 lb.
Cole Crops (broccoli, Brussels sprouts, cabbage, cauliflower)	1 oz./100 lb.
Corn - Field	2/3 oz./bu.
Sweet	2-1/3 oz./100 lb.
Cotton - Acid delinted	2 oz./100 lb.
Reginned	3 oz./100 lb.
Fuzzy	3 oz./100 lb.
Crucifers (Mustard, Radishes, Rape, Turnips)	1 oz./100 lb.
Flax	1-1/4 oz./bu.
Grasses	5 oz./100 lb.
Muskmelon, Pumpkin, Squash, Watermelon	1-1/4 oz./100 lb.
Onion (pelleting)	1 lb./1 lb.
Peanuts	3-3/4 oz./100 lb.
Sorghum (hull-less)	1-1/4 oz./1 bu.
Soybeans	1 oz./bu.
Sugar Beets - West	3-3/4 oz./100 lb.
East	7-1/2 oz./100 lb.
Swiss Chard	7-1/2 oz./100 lb

Further specific information on this subject may be obtained from the State Agricultural Experiment Stations of the State Agricultural Extension Service.

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."**

STORAGE AND DISPOSAL

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. Keep container tightly closed when not in use. Protect from excessive heat. Store in a cool, dry place.

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.

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.