



PAL 23 P 199  
10182-321

FILE

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. 10182-321  
CAPTAN VITAVAX 20-20 SEED PROTECTANT

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

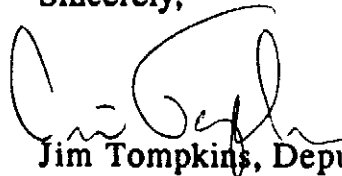
Submit the final printed labeling via the U.S. Postal Service to:

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

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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.10182-321  
CAPTAN VITAVAX 20-20 SEED PROTECTANT

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.

Gloves are not required for applicators and other handlers because the dermal and skin toxicity levels are 4. Please refer to page 17 of the Main Labeling Guidance.

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.

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**Captan Vitavax® 20-20 Seed Protectant**

**ACTIVE INGREDIENTS:**

*Captan .....	19.6%
Related Derivatives .....	0.4%
**Carboxin .....	20.0%
<b>INERT INGREDIENTS:</b> .....	<u>60.0%</u>
<b>TOTAL</b> .....	<b>100.0%</b>

\* N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide  
\*\*5,6-Dihydro-2-methyl-1,4 oxathum-3-carboxanilide

EPA Reg. No. 10182-321  
EPA Est. No.

NET WEIGHT

**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 19897

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

**SEP 8 1994**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-321

**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:** Wash eyes with fresh water for at least 15 minutes and see a doctor.

**IF ON SKIN:** Wash skin with soap and water.

**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 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 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.

**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.

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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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~~Mixers/loaders when mixing and loading this product must wear a long sleeved shirt and long pants or a overall 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.~~

~~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.~~

**DIRECTIONS: MEASURING CUP ENCLOSED**  
(One level cup holds approximately 4 ounces of product.)

Captan Vitavax 20-20 Seed Protectant is a formulation specifically designed for treatment of wheat, oat and barley seed on the farm at planting time. It controls covered smut (Tilletia caries and Tilletia loetida) and loose smut (Ustilage nuda) on wheat, covered smut (Ustilage kollen) and loose smut (Ustilage avenae) of oats and covered smut (Ustilage herdei) and loose smut (Ustilage nuda) of barley. It also tends to reduce seed rot and seedling blight caused by soil fungi.

Wheat	
Oats	Use 4 oz. per 100 lbs. of seed.
Barley	

Captan Vitavax 20-20 Seed Protectant also controls various seed and seedling diseases of soybeans.

Soybeans	Use 3 oz. (3/4 cup) per bushel.
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Apply as a drill-box treatment, mixing thoroughly with the seed before planting. For best results, the following procedure is suggested: Fill drill-box only half full of seed, add half the required amount of Captan Vitavax 20-20 Seed Protectant and mix thoroughly with a stick. Then add remainder of seed to drill-box and add the rest of the required amount of product to the seed, again mixing thoroughly.

Good results are also obtained by premixing seed with the product in a suitable container, then pouring treated seed into drill-box.

Do not use treated seed for food, or oil purposes. Do not graze or feed livestock on treated areas for six weeks after planting. Seeds treated with Captan Vitavax 20-20 Seed Protectant, sold or shipped as feed or food-stuffs may be considered adulterated under state and federal laws. Treated seed should 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 concentrate or dilute into food or drink containers. 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, 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:** 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.