

2935-484

03/01/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

2935-484

Date of Issuance:

MAR 1 2007

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Terms of Issuance:  
Unconditional

Name of Pesticide Product:  
**Captan 4000 Flowable  
Seed Protectant**

Name and Address of Registrant (include ZIP Code):

Wilbur-Ellis Company  
2737 S. Golden State Blvd.  
P.O. Box 1286  
Fresno, CA 93725

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Document for Captan, EPA has reregistered the product listed above provided that the following changes are made to the label:

1. Move the "Warranty Statement" section to the back of the label. Change "In no case shall..." to "To the extent consistent with applicable law, In no case shall...", "All such risks..." to "To the extent consistent with applicable law, All such risks...", "The exclusive remedy..." to "To the extent consistent with applicable law, the exclusive remedy...", "Wilbur-Ellis company makes..." to "To the extent consistent with applicable law, Wilbur-Ellis company makes..."

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Signature of Approving Official:

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Cynthia Giles-Parker, Chief  
Registration Division, Fungicide Branch

Date:

MAR 1 2007

2. Change the "PPE" add "chemical -resistant goggles or face shield".
3. Add an "Agricultural Use Requirements" section. a "Restricted Entry Interval of 48 hrs, "Early Entry PPE", "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, chemical-resistant gloves made of any water-proof material, shoes plus socks, and protective eyewear.", "Double Notification: Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.", To mitigate eye irritation concerns from post application exposures, the Agency is requiring the following statement: "Eye-Protection: For at least seven days following the application of captan: 1. at least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site for workers entering the area treated with captan, and 2. workers must be informed orally, in a manner they can understand: that residues in the treated area may be highly irritating to their eyes, that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes, that if they do get residues in their eyes, they should immediately flush their eyes with the eyeflush container that is located at the decontamination site, and how to operate the eyeflush container."
4. In the "Use Precautions" section fix the typo "face whield" to "face shield".

This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Submit one (1) copy of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted with Comments" is enclosed for your records.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

NU-GRO

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# CAPTAN 4000

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

## FLOWABLE SEED PROTECTANT

Agricultural Fungicide, Aqueous Suspension

293.5-484

**ACTIVE INGREDIENTS:**

*Captan .....	37.70%
Related Derivatives .....	0.82%
<b>INERT INGREDIENTS</b> .....	<b>61.48%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

\*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide  
(Contains 4 pounds of Active Ingredient per gallon.)

EPA Reg. No. 2935-484

EPA Est. No. 2935-CA-01

### KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>IF IN EYES:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
<b>IF ON SKIN OR CLOTHING:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>IF SWALLOWED:</b>	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>IF INHALED:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Freezing and thawing do not affect product quality and integrity. Always agitate or shake the product well before use.

**WARRANTY STATEMENT:** WILBUR-ELLIS COMPANY warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of WILBUR-ELLIS COMPANY. In no case shall WILBUR-ELLIS COMPANY be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at WILBUR-ELLIS COMPANY'S election, the replacement of this product. WILBUR-ELLIS COMPANY MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purposes of curative control of existing diseases or insect pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Wilbur-Ellis Company, no claims are made to guarantee germination of carry-over seed. WILBUR-ELLIS Logo® and IDEAS TO GROW WITH® and NU-GRO® are registered trademarks of WILBUR-ELLIS Company.

**In Case of Emergency, Call CHEMTREC: (800) 424-9300**

**NET CONTENTS:** \_\_\_\_\_

Manufactured in U.S.A. for: **WILBUR-ELLIS, P.O. BOX 16458 -- FRESNO, CALIFORNIA 93755**

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

CAUTION. Causes moderate eye damage. Harmful if swallowed or inhaled. Harmful if absorbed through skin. Avoid contact with eyes, skin and clothing. Avoid breathing vapor. May cause allergic skin reactions.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are polyethylene and polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear: Long-sleeved shirt and long pants; Shoes plus socks; Chemical resistant gloves; Chemical resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.

Persons drying or bagging treated seeds or sewing bags containing treated seeds are handlers and must wear handler personal protective equipment.

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

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not contaminate water when disposing of equipment washwaters or rinsate.

**USER SAFETY RECOMMENDATIONS**

**USERS SHOULD**

- 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 3) 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.

**USE PRECAUTIONS**

**IMPORTANT:** Treated seed must not be used for human consumption nor for animal feed.

The Federal government and most states have seed laws or regulations requiring that an appropriate statement be affixed to bags containing treated seed, such as: "Treated Seed -- Do Not Use for Feed, Food or Oil Purposes." Always use Captan 4000 with an EPA approved dye or colorant that imparts an unnatural color to the seed.

Captan 4000 Flowable Seed Protectant is an aqueous suspension suitable 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 soilborne fungi which cause seed decay, damping-off and seedling blights.

Wear chemical-resistant goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse. Read all directions before using and use only as specified on the label. Use only as recommended for claims listed.

**IMPORTANT:** Before using -- stir thoroughly to mix contents.

**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. Only protected handlers may be in the area during application.

**NOT FOR USE ON AGRICULTURAL ESTABLISHMENTS IN HOPPER BOX, PLANTER BOX, SLURRY-BOX OR OTHER SEED TREATMENT APPLICATIONS AT OR IMMEDIATELY BEFORE PLANTING.**

Thoroughly mix the recommended amount of Captan 4000 into the required amount of water for the slurry treater equipment and dilution rate to be used. Clean equipment thoroughly between treating operations.

**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.

The following tables gives recommended amounts of Captan 4000 Flowable Seed Protectant to use on various seed. Use higher rates in the range in areas where high stress conditions are anticipated.

## SEED TREATMENT DOSAGE RATES

SEED .....	DOSAGE .....
Alfalfa, Clover, Lespedeza, Trefoil .....	8 fl. oz./100 lb.
Beans (Snap, dry, cowpeas)* .....	2 to 2.6 fl. oz./100 lb.
Beets (Garden) .....	8 to 12 fl. oz./100 lb.
Cereal Grains (for seed and seedling rots - will not control bunt smut)	
Barley, Rye .....	2 to 3 fl. oz./100 lb.
Oats .....	2 to 4 fl. oz./100 lb.
Wheat .....	1-1/2 to 2 fl. oz./100 lb.
Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower) .....	1 to 2 fl. oz./100 lb.
Corn	
-Field .....	1-1/4 to 2.2 fl. oz./100 lb.
-Sweet .....	2 to 4 fl. oz./100 lb.
Cotton	
-Acid Delinted .....	2-1/2 to 5 fl. oz./100 lb.
-Reginned .....	3-1/2 to 7 fl. oz./100 lb.
-Fuzzy .....	3-1/2 to 7 fl. oz./100 lb.
Cucumber, Cantaloupe .....	1-1/2 to 3 fl. oz./100 lb.
Flax .....	2 to 3-3/4 fl. oz./100 lb.
Grasses .....	5 to 8-1/4 fl. oz./100 lb.
Milo .....	4 to 6 fl. oz./100 lb.
Onions (Pelleting) .....	1-1/2 pt./lb.
Peanuts .....	6 fl. oz./100 lb.
Peas, Lentils .....	2-1/2 fl. oz./100 lb.
Peppers (California Wonder) .....	2 to 3 fl. oz./100 lb.
Sorghum (Hulled) .....	1-3/4 to 4-1/2 fl. oz./100 lb.
Soybeans .....	1-1/2 to 2-1/2 fl. oz./100 lb.
Spinach .....	4 to 6 fl. oz./100 lb.
Squash, Pumpkin, Watermelon, Muskmelon .....	1-1/2 to 2 fl. oz./100 lb.
Sugar Beets - West .....	6 fl. oz./100 lb.
-East .....	12 fl. oz./100 lb.
Sunflowers .....	2 to 4 fl. oz./100 lb.
Swiss Chard .....	10 to 12 fl. oz./100 lb.

Gladiola Bulbs - Prevention of bulb rot - use 0.6 fl. oz. in 1 gallon water; (1-1/2 - 3-3/4 pts. in 100 gallons). Soak bulbs in mixture 20 to 30 minutes.

\*Do not use on lima beans.

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling:

"This bag contains seed treated with captan. persons opening this bag or loading/pouring the treated seed, must wear long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves." "Treated Seed - Do Not Use for Food, Feed, or Oil Purposes."

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

### 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.

**PESTICIDE STORAGE:** Keep pesticide in original container. Store in a cool dry place.

**PESTICIDE DISPOSAL:** 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). Then offer for recycling, 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.

**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 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 seeding 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.