

23 MAR 1992

Mr. Dennis L. McFadden  
Gustafson, Inc.  
P.O. Box 660065  
Dallas, TX 75266-0065

Dear Mr. McFadden:

Subject: Gustafson Captan 400  
EPA Registration No. 7501-26  
Application To Amend Registration Dated  
February 28, 1992, To Add Use-Pattern  
for Application To Onion Seed

The proposed amendment to the subject pesticide product labeling submitted in connection with registration under Section 3 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable provided that you:

1. Revise the proposed labeling by removing the proposed use-pattern for onion seed from the other listed seeds and place it in a separate section. As written the generic headings are not germane to the use-pattern for the onion use. The units of measure are different and the quantity of seed treated is one (1) pound, not 100 pounds.
2. Submit five (5) printed copies of the final printed labeling before releasing the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(e). Your release of the product for shipment constitutes acceptance of these conditions.

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

Sincerely yours

ewilson: diskette #10001a

Enclosure

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

BEST AVAILABLE COPY

Ready to Receive Claim.

ATC... 3-2-92

# Gustafson

## CAPTAN 400

### SEED PROTECTANT AGRICULTURAL FUNGICIDE



ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

23 MAR 1992

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

7501-26

<b>ACTIVE INGREDIENTS:</b>	<b>By Wt.</b>
*Captan.....	37.40%
Related Derivatives .....	0.85%
<b>INERT INGREDIENTS:</b> .....	61.75%
<b>TOTAL:</b> .....	100.00%

\*N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide  
Contains 4 lbs. Captan and related derivatives per U.S. gallon at 68°F.

#### IMPORTANT:

The Federal Government and most states have seed laws or regulations requiring an appropriate caution statement be affixed to bags containing treated seeds, such as:

**Treated Seed: Do Not Use for Food, Feed, or Oil Purposes.**

When using formulations that do not contain dye, to comply with 21 CFR Chapter 1, Section 2.25, all grain seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

#### DIRECTIONS FOR USE:

It is a violation of State and Federal Law to use this product in a manner inconsistent with its labeling.

### KEEP OUT OF REACH OF CHILDREN DANGER

#### STATEMENT OF PRACTICAL TREATMENT

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.

See additional precautionary statements.

EPA Reg. No. 7501-26

### 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. Remove and separately launder clothing before reuse.

#### ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.

#### 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 containers.

**STORAGE**--Store in a cool dry location. Do not store in direct hot sunlight. After prolonged storage in intense cold, allow product to return to approximately 25°F before using.

**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**--Triple rinse (or equivalent). Then 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.

Read all directions before using and use only as specified on this label.

**DIRECTIONS:** Thoroughly mix the recommended amount of Captan 400 Seed Protectant into the required amount of water for the slurry treater equipment and dilution rate to be used. Clean equipment thoroughly between operations.

**IMPORTANT:** Before using - stir thoroughly to mix contents or use entire container at one time. Do not combine colloidal suspensions, wettable powder or emulsifiable concentrates unless previous experience assures compatibility.

**PRODUCT INFORMATION:**

**Captan 400 Seed Protectant** is a flowable concentrate 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 seedborne and soilborne fungi which cause seed decay, damping-off, and seedling blights.

<b>CAPTAN 400</b>	
<b>Approved Application Rate</b>	
<b>Fl. Oz. Captan 400 per 100 lbs. of Seed</b>	
<b>SEED</b>	<b>RANGE</b>
Alfalfa, clover, lespedeza, trefoil .....	5 fl. oz.-8 fl. oz./100 lbs.
Beans (snap, dry, cowpeas) .....	2 fl. oz.-3 fl. oz./100 lbs.
Beets (garden) .....	8 fl. oz.-12 fl. oz./100 lbs.
Cereal grains (for seed and seedling rots-not for burn smut)	
Berly Rye .....	2 fl. oz.-3 fl. oz./100 lbs.
Barley .....	2 fl. oz.-4 fl. oz./100 lbs.
Wheat .....	1-1/2 fl. oz.-4 fl. oz./100 lbs.
Cole crops (broccoli, Brussels sprouts, cauliflower, cauliflower)	
Corn-Field .....	1-1/4 fl. oz.-2-3/8 fl. oz./100 lbs.
Sweet .....	2 fl. oz.-4 fl. oz./100 lbs.
Cotton	
Acid delinted .....	2-1/2 fl. oz.-5 fl. oz./100 lbs.
Reginned, fuzzy .....	3-1/2 fl. oz.-7 fl. oz./100 lbs.
Cucumber, Cantaloupe .....	2-1/2 fl. oz.-3 fl. oz./100 lbs.
Crucifers (mustard, radish, rape, turnips) ..	1 fl. oz.-2 fl. oz./100 lbs.
Flax .....	2 fl. oz.-3-3/4 fl. oz./100 lbs.
Grasses .....	5 fl. oz.-8-1/4 fl. oz./100 lbs.
Onions (Pelleting) .....	1/2 pt./lb.
Peanuts .....	3 fl. oz.-6 fl. oz./100 lbs.
Peas, Lentils .....	2-1/2 fl. oz./100 lbs.
Peppers .....	2 fl. oz.-3 fl. oz./100 lbs.
Sorghum (hulled) for kernel smut .....	1-3/4 fl. oz.-4-1/2 fl. oz./100 lbs.
Soybeans .....	1-1/2 fl. oz.-2-1/2 fl. oz./100 lbs.
Spinach .....	4 fl. oz.-6 fl. oz./100 lbs.
Squash, Pumpkin,	
Watermelon, Muskmelon .....	1-1/2 fl. oz.-2 fl. oz./100 lbs.
Sugar Beets	
West .....	6 fl. oz./100 lbs.
East .....	12 fl. oz./100 lbs.
Sunflowers .....	2 fl. oz.-4 fl. oz./100 lbs.
Swiss chard .....	10 fl. oz.-12 fl. oz./100 lbs.

**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.

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.

**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.

**NOTICE - READ CAREFULLY**  
**CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT**

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purposes of curative control of existing disease 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 Gustafson, Inc., no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Gustafson, Inc., warrants that this product conforms to the chemical description on the label and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. **ONLY AS PERMITTED BY APPLICABLE LAW, IN THE EVENT OF A BREACH OF THIS LIMITED WARRANTY, GUSTAFSON, INC. NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL.** Buyer assumes the responsibility to handle, use and store this product in accordance with the safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty, which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Gustafson, Inc. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

A quality product manufactured by:  
**Gustafson, Inc.**  
1490 Preston Road, Suite 400  
Plano, Texas 75093  
(214) 985-8877

Gustafson (logo) is a Reg. TM of Gustafson, Inc.

26(S)-294220

$$\frac{1}{16} \times 4 = \frac{4}{16} = \frac{1}{4} \text{ lbs. / lb. of seed}$$

7.5 lbs. / 1.0 lb. seed

*Handwritten notes:*  
2-6-80  
The above is a special order...