

PM 22

7501-9

4/10/97

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APR 10 1997

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

Dear Mr. McFadden

Subject: Gustafson Captan 30-DD Seed Protectant Agricultural Fungicide
EPA Registration No. 7501-9
Application Dated March 21, 1997, Request To
Add Labeling for Undyed Product with Alternate
Formula without the Toxic Inert Rhodamine B,
and Revised Labeling with Rhodamine B Dye

The proposed amendments to the subject pesticide product registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended have been reviewed and found to be acceptable for registration, provided that you:

1. Delete from the "Environmental Hazards" Statements the water and wetlands restriction that reads:
"Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark." The subject product is an indoor use and does not require this statement (see PR Notice 93-3).
2. Submit one (1) copy of the final printed labels before releasing the product for shipment under the subject labeling.

If these conditions are 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 these conditions.

Stamped copies of the labels are enclosed for your records.

Sincerely yours,

Joanne I. Miller

Product Manager (23)

Fungicide-Herbicide Branch
Registration Division (7505C)

SYMBOL									
SURNAME									
DATE									
Enclosures (2)									
3. Wilson: Diskette Ziram 04-10-97									
EPA Form 1320-1 (12-70)									

OFFICIAL FILE COPY

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 10 1997

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

7501-9

Gustafson Captan 30-DD

Seed Protectant Agricultural Fungicide

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ACTIVE INGREDIENTS:

*Captan 28.70%
Related Derivatives 0.65%

INERT INGREDIENTS: 70.65%

TOTAL: 100.00%

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

Contains 3 lbs. Captan and related derivatives per U.S. gallon at
68°F.

This product contains the toxic inert ingredient Rhodamine B.

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. 7501-9

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. Remove and separately launder clothing
before reuse.

ENVIRONMENTAL HAZARDS

This pesticide 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

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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner
inconsistent with its labeling. Not for use on agricultural estab-
lishments in hopper-box, planter-box, slurry-box or other seed-
treatment applications at or immediately before planting.

USE PRECAUTION

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. 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.

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 haz-
ardous. 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 Re-
gional Office for guidance.

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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.

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 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.

PRODUCT INFORMATION:

Captan 30-DD 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.

CAPTAN 30-DD

Approved Application Rate
Fl. Oz. Captan 300 per 100 lbs. of Seed

SEED	
Alfalfa, clover, lespedeza, trefoil	6-1/2 fl. oz./100 lbs.
Beans (snap, dry, cowpeas)	2-1/4 fl. oz./100 lbs.
Beets (garden)	9-1/2 fl. oz./100 lbs.
Cereal grains (for seed and seedling rots - not for bunt smut)	
Barley, Rye	2 fl. oz./100 lbs.
Oats	2-1/3 fl. oz./100 lbs.
Wheat	1-1/2 fl. oz./100 lbs.
Cole crops (broccoli, Brussels sprouts, cabbage, cauliflower)	
1-1/4 fl. oz./100 lbs.	
Corn - Field	1-1/2 fl. oz./100 lbs.
Sweet	3-1/4 fl. oz./100 lbs.
Cotton	
Acid delinted	2-1/3 fl. oz./100 lbs.
Reginned, fuzzy	3-1/2 fl. oz./100 lbs.
Cucumber, cantaloupe, tomato	2-1/3 fl. oz./100 lbs.
Crucifers (collards, kale, mustard, radish, rape, turnips)	
1-1/4 fl. oz./100 lbs.	
Flax	3 fl. oz./100 lbs.
Grasses	6-1/2 fl. oz./100 lbs.
Peanuts	6 fl. oz./100 lbs.
Peas, Lentils	2 fl. oz./100 lbs.
Peppers (California Wonder)	2-1/3 fl. oz./100 lbs.
Sorghum (hulled) for kernel smut	3-1/2 fl. oz./100 lbs.
Soybeans	2 fl. oz./100 lbs.
Spinach	4-3/4 fl. oz./100 lbs.
Squash, pumpkin, watermelon, muskmelon	
1-2/3 fl. oz./100 lbs.	
Sugar Beets	
West	4-3/4 fl. oz./100 lbs.
East	9-1/2 fl. oz./100 lbs.
Sunflowers	4 fl. oz./100 lbs.
Swiss chard	9-1/2 fl. oz./100 lbs.

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

DIRECTIONS: Thoroughly mix the recommended amount of Captan 30-DD Seed Protectant into the required amount of water for the slurry treater equipment and dilution rate to be used. Clean equipment thoroughly between treating 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 un-

less previous experience assures compatibility.

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.

This product is to be used in liquid or slurry treaters similar to Panomatic, Mist-O-Matic or Calkins.

The Federal Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates.

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, 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. SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, 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.
1400 Preston Road, Suite 400
Plano, Texas 75093
(972) 985-8877

9(S)-598290

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Publishers Note: Gustafson Captan 30-DD with Colorant is available.