



United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Application for Pesticide:

Registration
 Amendment
 Other

OPP Identifier Number
167128

Section I

1. Company/Product Number 7501-140	2. EPA Product Manager J. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Gustafson APRON+CAPTAN Fungicide Seed Protectant	PMS 23	
5. Name and Address of Applicant (Include ZIP Code) GUSTAFSON, INC. PO BOX 660065 DALLAS TEXAS 75266 0065 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter date 1 _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II)

Notification per PR Notice 88-6, as required by PR Notice 93-3, labeling statement prohibiting application to water. Attached are a revised, highlighted label and an original label.

**NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-6**

Section III

DATE: 8/3/93

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.		If "Yes," Unit Package wgt. No per container	If "Yes," Package wgt. No per container

3. Location of Net Contents Information
 Label Container

4. Size(s) of Retail Container

5. Location of Label Directions
 On Label
 On Labeling accompanying product

6. Manner in Which Label is Affixed To Product
 Lithograph
 Paper glued
 Stenciled
 Other (_____)

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name Dennis L. McFadden	Title Asst. Mgr., Toxicology and Regulatory Affairs	Telephone No. (Include Area Code) 214-985-8877
----------------------------	--	---

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Dennis L. McFadden</i>	3. Title Asst. Mgr., Toxicology and Regulatory Affairs	6. Date Application Received (Stamped)
4. Typed Name Dennis L. McFadden	5. Date 7/15/93	

DATE 8/3/93

Gustafson APRON® + Captan

Fungicide Seed Protectant

An on-farm soybean and sorghum seed treatment for protection against seed rots and certain diseases caused by *Pythium* and *Phytophthora* spp.

APRON + Captan is a powder for dry seed treatment.

ACTIVE INGREDIENT:

Metalaxyl: <i>N</i> -(2,6-dimethylphenyl)- <i>N</i> -(methoxyacetyl) alanine methyl ester	12.5%
*Captan	30.8%
Related Derivatives	0.7%
INERT INGREDIENTS:	56.0%
TOTAL:	100.0%

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

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 solution, or if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person.
 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 irritation persists.
 Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.
 See additional precautionary statements.

EPA Reg. No. 7501-140

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes or on clothing. Wear goggles or face shield when handling this product. Avoid breathing dust and contact with skin. Wash thoroughly with soap and water after handling. Remove and separately launder clothing before reuse.

Continued Next Column

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. For terrestrial uses, 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.

DIRECTIONS FOR USE

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

IMPORTANT: Read the entire DIRECTIONS FOR USE and the LIMITED WARRANTY STATEMENT before using this product.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

STORAGE AND DISPOSAL

PESTICIDE STORAGE AND DISPOSAL: Store in a cool, dry place. Do not contaminate water, food or feed by storage or disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are acutely hazardous. Improper disposal of unused pesticide is a violation of Federal Law. Pesticide that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office.
CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse container (or equivalent), puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, keep out of smoke.

GENERAL INFORMATION

Gustafson Apron + Captan Fungicide Seed Protectant is a dry powder formulated specifically for seed treatment application at planting time in soybeans and sorghum. Unique formulation technology has been incorporated to help lubricate the planter; thus allowing a smooth even flow of seed to the furrow, while providing uniform seed coverage and adherence to the seed.

DISEASES CONTROLLED

The combination of Apron with Captan protectant activity against seed rot organisms and protectant and systemic activity against *Pythium* damping-off, as well as early season



control of *Phytophthora* diseases and control or suppression of Systemic Downy Mildews.

HANDLING PRECAUTIONS

Wear goggles or face shield when handling Apron + Captan. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.

A dust mask must be worn when mixing and loading this product. Mixer / 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 chemically 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 Apron + Captan must be destroyed according to state and local regulations.

Gustafson Apron + Captan should be applied at planting time, utilizing the Gustafson CF-80* treater to maximize seed coverage. (*Calibrate the Gustafson CF-80 treater as per the manufacturer's instructions.)

Seed should be placed in the treater and then the chemical added as follows:

SEED TREATMENT

Cotton: For protection against *Pythium* seed rot and damping-off: Apply APRON + Captan as a seed treatment to machine delinted or acid delinted cottonseed at the rate of 3-4 ounces per 100 lbs. of seed.

Forage Grasses: Grasses grown for hay, grazing or silage, corn (fodder or silage) and small grain grown for hay or silage. For protection against *Pythium* damping-off: Apply APRON + Captan as a seed treatment at the rate of 3-4 ounces per 100 lbs. of seed.

Forage Legumes: Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage), soybean hay, peas (for forage) pea vine hay, cowpeas (for forage). For protection against *Pythium* damping-off and early season *Phytophthora*: Apply APRON + Captan as a seed treatment at the rate of 4 ounces per 100 lbs. of seed. For suppression of early season downy mildew in alfalfa and soybeans: Apply APRON + Captan as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

Garden Beets: For protection against *Pythium* damping-off: Apply APRON + Captan as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

Grain crops: Wheat, barley, rye, oats, millet, rice, corn (field corn, sweet corn and popcorn), buckwheat and triticale. For protection against *Pythium* damping-off: Apply APRON + Captan as a seed treatment at the rate of 3-4 ounces per 100 lbs. of seed.

Turfgrasses (All): For protection against *Pythium* damping-off on golf courses, home lawns, reclamation and erosion control projects: Apply APRON + Captan as a seed treatment at the rate of 4-8 ounces per 100 lbs. of seed.

Seed and Pod Vegetables: Black-eyed peas, cowpeas, dill, edible soybeans, field beans, chick peas (garbanzo beans), field peas, garden peas, green beans, kidney beans, lima beans, navy beans, okra, peas, pole beans, snap beans, string beans, wax beans, lentils and lupines. For protection against *Pythium* damping-off and early season *Phytophthora*: Apply APRON + Captan as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

Sorghum: For protection against *Pythium* damping-off on all sorghum cultivars, use 4 ounces of APRON + Captan per 100 lbs. of seed applied as a seed treatment. For use in control of Systemic Downy Mildew, apply 4 ounces of APRON + Captan per 100 lbs. of seed on cultivars which possess sorghum downy mildew resistance. To those cultivars which do not possess resistance to a particular race of sorghum downy mildew in heavily infected areas with recent severe history, apply 8 ounces of APRON + Captan per 100 lbs. of seed as a seed treatment. Only high quality sorghum seed (90% germ and above) should be treated with APRON + Captan.

Sugar Beets: For protection against *Pythium* damping-off: Apply APRON + Captan as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

Soybeans: For protection against *Pythium* damping-off and early season *Phytophthora*: Apply APRON + Captan as a seed treatment at the rate of 3-4 ounces per 100 lbs. of seed.

Sunflower: For use in control of Systemic Downy Mildew: Apply APRON + Captan as a seed treatment at the rate of 8 ounces per 100 lbs. of seed.

NOTE: Federal law requires that bags containing treated seeds shall be labeled with the following information: "This seed treatment with Metalaxyl and Captan. Do not use for food, feed or oil purposes." Use an EPA approved dye that imparts an unnatural color to the seed.

USE PRECAUTIONS

1. Seed must be thoroughly mixed with the seed, and planters adjusted to the manufacturer's directions (planting rates including air or vacuum may be effected by seed additives).
2. For planters with electric eye monitors, periodically clean them with brushes provided by the planter manufacturer, according to their directions.
3. Treated seed must not be used or mixed with food or animal feed, or processed for oil.
4. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting.
5. Do not carry excess treated seeds to next season.
6. Do not use this product on seed which has been commercially treated with Metalaxyl (APRON) Fungicide.

**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. 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.

Gustafson (Logo) is a Reg TM of Gustafson, Inc.
Apron® trademark of CIBA-GEIGY Corp for metalaxyl.
U. S. Patent 4,151,299

A quality product sold by
Gustafson, Inc.
1400 Preston Road, Suite 400
Plano, Texas 75093

140(W)-299060