

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS 757)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

7501-140

DATE OF ISSUANCE

MAR 28 1990

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

NOTICE OF PESTICIDE: REGISTRATION
 REREGERISTRATION

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended.

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this 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.

1. Review the label for the following information: (a) EPA REGISTRATION NO. 7501-140; (b) EPA REGISTRATION DATE: 3/28/90.
 2. If you are a distributor, you must have the label printed on the product container.
 3. If you are a retailer, you must have the label printed on the product container.
 4. ADVISE the water treatment plant: "Do not use this product in or around equipment and waters that will pollute water reservoirs."
 5. In the label, revise the statement *etc* to read: "In the statement: 'Do not use this product with hot or very hot water.'" *etc*
 6. If you are a retailer, revise the phrase: "Number of waterway, 24100 of 51400."
 7. SUBMIT (a) five (5) copies of the final printed label; before you release the product for shipment.
- If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 5(e). Your release of the product is subject to the acceptance of these conditions. A copy of the label is enclosed for your review.

BEST AVAILABLE COPY

James L. Miller
ATTN: CONTACT CENTER (25)
REGISTRATION DIVISION (R-7570)
WASHINGTON, DC 20460

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

James L. Miller

DATE

3/28/90

ACCEPTED
with COMMENTS

GUSTAFSON APRON + CAPTAN FUNGICIDE SEED PROTECTANT

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7501-140
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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: N-(2,6-dimethylphenyl)-N-(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
**Contains Graphite

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish. Keep out of any body of water. 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

**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.

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

EPA Reg No 7501-
Net Content Pounds
EPA Est

**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.

GENERAL INFORMATION
Gustafson Apron + Captan Fungicide Seed Protectant is a dry powder formulated specifically for seed treatment application. 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 provides protectant activity against seed rot organisms and protectant and systemic activity against *Pythium* damping off, as well as early season protection against *Phytophthora* radicle rot and control or suppression of systemic *Gymnosporangium*.

BEST AVAILABLE COPY

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 by thoroughly mixing with the seed in the planter box with a Mighty Mixer™ or utilizing the Gustafson CF-80* treater or other dry seed treatment application equipment 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), cowpea hay, trefoil, vetch and velvet beans (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 treated with Metalaxyl. 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 treatments 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 over 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 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, can result in reduced germination and/or reduction of seed and seedling vigor. Treat and germination test a sample of the seed lot before treating with a selected chemical treatment. Excess seed should not be carried over from one season to the next without re-testing germination. Due to seed quality conditions beyond the control of Gustafson, no claims are made to guarantee germination of carry-over seed.

Gustafson 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. Gustafson neither makes, nor authorizes any agent or representative to make any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation, expressed or implied, concerning this material. In the event of any breach of this limited warranty, Gustafson shall not be liable for consequential damages.

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.**
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