

PM 21

7501-154

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

7501-154

Date of Issuance:

NOV 19 1996

Term of Issuance: Conditional

Name of Pesticide Product:

Apron® LS Fungicide

NOTICE OF PESTICIDE:  
  x   Registration  
      Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

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

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following changes to the label:  
Under Precautionary Statements, change the personal protective equipment to "Wear long-sleeved shirt and long pants, socks and shoes, goggles or face shield and chemical resistant gloves (such as Nitrile, Butyl, Neoprene and/or Barrier Laminate)."  
Due to revised standards for inhalation toxicity, you may delete "harmful if inhaled" under Precautionary Statements and the recommendations for "if inhaled" in the Statement of Practical Treatment.
3. Submit five copies of the final printed label for the record.

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.

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

Signature of Approving Official:

Connie B. Welch, PM 21

Date:

11/19/96

NOV 19 1996

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

7501-LS4

APRON®-LS

Fungicide

A Seed Treatment Chemical For Control Of Seed Rot And Damping-Off Diseases Of Certain Crops

**ACTIVE INGREDIENT:**

Metalaxyl:N-(2,6-dimethylphenyl)-  
N-(methoxyacetyl)alanine methyl ester ..... 17.7%

**INERT INGREDIENTS:** ..... 82.3%

**TOTAL** ..... 100.0%

Contains 1.55 pounds Metalaxyl per gallon.

EPA Reg. No. 7501-\_\_\_\_\_

EPA Est. \_\_\_\_\_

Net Contents: \_\_\_\_\_ Gallons

**PELIGRO** - Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**KEEP OUT OF REACH OF CHILDREN**

**DANGER- PELIGRO**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist and contact with skin. Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention. **IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention. **IF SWALLOWED:** Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Do not induce vomiting. **NOTE TO THE PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL HAZARDS**

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. Cover or incorporate spilled treated seeds.

**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 establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.

**IMPORTANT:** Read the entire **Directions for Use** and the **Limited Warranty Statement** before using this product.

APRON-LS may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist-type commercial seed treatment equipment.

**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.

**PESTICIDE DISPOSAL**—Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**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.

APRON-LS is a systemic fungicide seed dressing specifically for control of systemic downy mildew, *Pythium* and *Phytophthora* spp. For control of seedborne and other soilborne diseases, the combination of Gustafson Captan, Thiram and VITAVAX® registered formulations are compatible. Do not use with other seed treatment products unless previous experience assures compatibility.

**Note:** APRON-LS is a systemic fungicide having a specific mode of action. APRON-LS could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Therefore, Gustafson, Inc. cannot assume liability for crop damage resulting from resistant strains of fungi. Consult your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible APRON-LS resistant strains of fungi which may occur.

**FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.**

**Gustafson**



Cotton	For <i>Pythium</i> seed rot and damping-off: Apply APRON-LS as a seed treatment at the rate of 1.3 - 2.6 fluid ounces per 100 lbs. of seed.
Soybeans	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply APRON-LS as a seed treatment at the rate of 1.3 - 2.6 fluid ounces per 100 lbs. of seed.
Sorghum	For control of <i>Pythium</i> and systemic downy mildew: Apply APRON-LS as a seed treatment at the rate of 2.6 - 5.2 fluid ounces per 100 lbs. of seed to hybrids with resistance to at least two pathotypes of downy mildew. The 5.2 fl. oz. rate is only recommended for areas with a recent severe history of a pathotype of downy mildew that is pathogenic to the hybrid being treated. Seed treated with the 5.2 fl. oz. rate should be planted and not carried over to the following year. Only high quality sorghum seed (90% germ and above) should be treated with APRON-LS.
Sunflowers	For control of systemic downy mildew: Apply APRON-LS as a seed treatment at the rate of 5.2 fluid ounces per 100 lbs. of seed.
Sunflowers (Export Only)	FOR TREATMENT OF SUNFLOWERS DESTINED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH METALAXYL PRIOR TO IMPORTATION: Apply APRON-LS at the rate of 17 fluid ounces (3.3 ounces active) per 100 pounds of seed. Seed treated in accordance with this use pattern must be labeled as follows: FOR EXPORT ONLY - Not for domestic sale or use.
Garden Beets (including Sugar Beets)	For control of <i>Pythium</i> damping-off: Apply APRON-LS as a seed treatment at the rate of 2.6 fluid ounces per 100 lbs. of seed.
Forage Legumes	Alfalfa, clover, lespedeza beans (for forage), soybeans (for forage), soybean hay, peanuts (for forage), peanut hay, peas (for forage), pea vine hay, cowpeas (for forage), cowpea hay, trefoil, vetch and velvet beans (for forage). For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply APRON-LS as a seed treatment at the rate of 1.3 - 2.6 fluid ounces per 100 lbs. of seed.
Grain Crops	Wheat, barley, rye, oats, millet, milo, rice, corn (field corn, sweet corn and popcorn), buckwheat and triticale. For <i>Pythium</i> damping-off control: Apply APRON-LS as a seed treatment at the rate of 1.3 - 2.6 fluid ounces per 100 lbs. of seed.
Corn (Export Only)	FOR TREATMENT OF CORN DESTINED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH METALAXYL PRIOR TO IMPORTATION: Apply APRON-LS at the rate of 5.2 - 17 fluid ounces per 100 pounds of seed. Seed treated in accordance with this use pattern must be labeled as follows: FOR EXPORT ONLY - Not for domestic sale or use.
Seed and Pod Vegetables	Black-eyed peas, chickpeas (Garbanzos), cowpeas, dill, edible soybeans, field beans, field peas, garden peas, green beans, kidney beans, lima beans, lupines, navy beans, okra, peas, pole beans, snap beans, string beans, wax beans and lentils.  For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply APRON-LS as a seed treatment at the rate of 1.3 - 2.6 fluid ounces per 100 lbs. of seed. For control of <i>Pythium</i> damping-off and systemic downy mildew of peas: Apply APRON-LS as a seed treatment at the rate of 5.8 fluid ounces per 100 lbs. of seed.
Cucumbers	For control of <i>Pythium</i> damping-off: Apply APRON-LS as a seed treatment at the rate of 2.6 fluid ounces per 100 lbs. of seed. For season long control, apply RIDOMIL® 2EC or 5G in accordance with label directions.

## DIRECTIONS FOR USE (continued)

Turf Grasses	For <i>Pythium</i> damping-off control on golf courses home lawns, reclamation and erosion control projects: Apply APRON-LS as a seed treatment at the rate of 2.6 fluid ounces per 100 lbs. of seed.
Forage Grasses	Grasses grown for hay grazing or silage, corn (fodder or silage), sorghum (hay or silage), and small grain grown for hay grazing or silage. For <i>Pythium</i> damping-off control: Apply APRON-LS as a seed treatment at the rate of 1.3 - 2.6 fluid ounces per 100 lbs. of seed.

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

## 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  
(214) 985-8877

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