

1049

001 19 1992

Ms. Karen Stumpf
Ciba-Geigy Corporation
P.O. Box 18300
Greensboro, N.C. 27419

Dear Ms. Stumpf:

Subject: Apron 25W Fungicide
EPA Registration No. 100-639
Your Submission Dated July 13, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

- The note added to the direction for turf grass seed, is unlikely to be seen by the people who plant the seed since the label is for commercial seed treaters only. It is suggested that the note indicate that this statement be added to labels on treated grass seed.

Sincerely yours,

Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

100-639 Highlighted Copy
J.S.

Apron® 25W

Fungicide

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 19 1992

A seed treatment chemical for control
of systemic downy mildew, seed rot and
damping-off diseases of certain crops

Under an amended registration
Fungicide registered for the pest
amended for the pest
registered under EPA Reg No. 100-639

For use only by commercial seed treaters

Four Pounds
Net Weight

Active Ingredient:

Metalaxyl: N-(2,6-dimethylphenyl)-N-
(methoxyacetyl) alanine methyl ester 25.0%

Inert Ingredients: 75.0%

Total: 100.0%

See directions for use on panel
at right.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

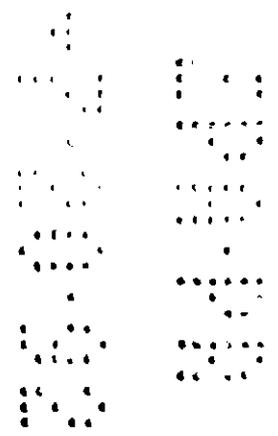
See additional precautionary statements
on panel at right.

EPA Reg. No. 100-639

CGA 66L7

CIBA-GEIGY

[GANNONC.LABELA - APRON25W_DRAFT_IMP] - 7/3/92



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DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

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General Information

Apron is a systemic fungicide seed dressing specifically for control of systemic downy mildews and diseases caused by soil-borne Pythium and Phytophthora spp. For control of other soil borne diseases, such as Rhizoctonia spp., Apron 25W should be applied in combination with other registered seed dressing fungicides.

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

Apron 25W 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.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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

Seed Treatment - Domestic Use

Cotton - For Pythium seed rot and damping-off: Apply Apron 25W as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 1-2 ounces per 100 lbs. of seed.

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Forage Grasses

- Grasses grown for hay grazing or silage, corn (fodder or silage), and small grain grown for hay grazing or silage.

For Pythium damping-off control: Apply Apron 25W as a seed treatment at the rate of 1-2 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 Pythium damping-off and early season Phytophthora control: Apply Apron 25W as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

For suppression of early season downy mildew in alfalfa and soybeans: Apply Apron 25W as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

Garden/Table Beets

- For control of Pythium damping-off: Apply Apron 25W as a seed treatment at the rate of 2 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 Pythium damping-off control: Apply Apron 25W as a seed treatment at the rate of 1-2 ounces per 100 lbs. of seed.

- For control of systemic downy mildew of sweet corn: Apply Apron 25W as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

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Turfgrasses (All)

- For Pythium damping-off control on golf courses, home lawns, reclamation and erosion control projects: Apply Apron 25W as a seed treatment at the rate of 2-4 ounces per 100 lbs. of seed.

Note: For long-term control of Pythium in areas when using Apron-treated seed, make an application of Subdue® 7-10 days after germination.

Legume Vegetables

- Black-eyed peas, cowpeas, 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 Pythium damping-off and early season Phytophthora control: Apply Apron 25W as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

For control of Pythium damping-off and systemic downy mildew of peas: Apply Apron 25W as a seed treatment at the rate of 5 ounces per 100 lbs. of seed.

Sorghum

- For control of Pythium damping-off on all sorghum cultivars, use 2 ounces of Apron 25W per 100 lbs. of seed applied as a seed treatment.

For control of systemic downy mildew, apply 2 ounces of Apron 25W 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 4 ounces of Apron 25W per 100 lbs. of seed as a seed treatment. Seed treated with the 4 ounces rate should be planted and not carried over to the following year.

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Only high quality sorghum seed (90% germ and above) should be treated with Apron 25W.

- Sugar Beets - For control of Pythium damping-off: Apply Apron 25W as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.
- Soybeans - For Pythium damping-off and early season Phytophthora control: Apply Apron 25W as a seed treatment at the rate of 1-2 ounces per 100 lbs. of seed.
- Sunflower - For control of systemic downy mildew: Apply Apron 25W as a seed treatment at the rate of 4 ounces per 100 lbs. of seed.

Seed Treatment-Export Use

FOR TREATMENT OF THE FOLLOWING SEED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH METALAXYL BEFORE IMPORTATION.

- Sorghum - For control of Pythium damping-off and systemic downy mildew of sorghum, apply Apron 25W as a seed treatment at the rate of 4-14 ounces per 100 lbs. of seed.
- Sunflower - For control of systemic downy mildew: Apply Apron 25W as a seed treatment at the rate of 8-14 ounces per 100 lbs. of seed.
- Corn - For control of Pythium damping-off and systemic downy mildew of corn: Apply Apron 25W as a seed treatment at the rate of 4-14 ounces per 100 lbs. of seed.
- Millet - For control of Pythium damping-off and systemic downy mildew of millet: Apply Apron 25W as a seed treatment at the rate of 4-14 ounces per 100 lbs. of seed.
- Peas - For control of Pythium damping-off and early season Phytophthora control: Apply Apron 25W as a seed treatment at the rate of 2 ounces per 100 lbs. of seed.

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Seed treated in accordance with the export use pattern must be labeled as follows: FOR EXPORT ONLY - NOT FOR DOMESTIC SALE OR USE.

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. Store away from feeds and foodstuffs." Use with an EPA-approved dye that imparts an unnatural color to the seed.

Storage and Disposal

Pesticide Storage and Disposal

Store in a dry place. Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate 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

Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-888-8372 day or night.

Precautionary Statements

Hazardous to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye irritation. Avoid contact with eyes, skin, or

clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Statement of Practical Treatment

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Environmental Hazards

Do not apply directly to water, 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 wash waters. Dispose of excess treated seed by burial away from bodies of water.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

Apron® and Subdue® trademarks of CIBA-GEIGY for metalaxyl
U.S. Patent No. 4,151,299

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

- Revised January 31, 1983
- Revised December 14, 1983
- Revised February 17, 1984
- Revised July 31, 1985
- Revised February 24, 1986
- Revised February 10, 1987
- Revised March 30, 1987
(sugar beets)
- Revised April 22, 1987
- Revised September 18, 1989
Metalaxyl FRSTR.
- Revised June, 1992
minor adm. amendments