

pm 21 100-684

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Gregory R. Watson, Ph.D.
 Ciba Crop Protection
 Ciba-Geigy Corporation
 P. O. Box 18300
 Greensboro, NC 27419-8300

APR 21 1995

Dear Dr. Watson:

Subject: Apron® Flowable Fungicide (EPA Reg. No. 100-684)
 Apron® 50W Fungicide (EPA Reg. No. 100-738)
 Label Amendment
 Your Correspondence of December 13, 1994

On December 13, 1994, you submitted amendment requests for the addition of the Apron FS brand name to EPA Reg. No. 100-684 and administrative amendments including the addition of directions for use for carrots and peanuts, and updating seed treatment export uses. You also submitted an amendment request for EPA Reg. No. 100-738 including the addition of directions for use on carrots and peanuts, altering seed treatment export uses, and other administrative items. The labeling, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration or reregistration of your product under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Since you have chosen to include Worker Protection Standard labeling, it is suggested that the following statements be added following the misuse statement under Directions for Use. "Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

7505C:K.Scanlon:ks:04/12/95:APRONLBL.LTR

CONCURRENCES

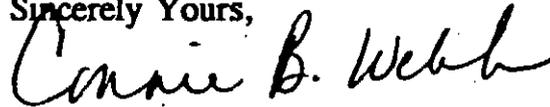
SYMBOL ▶	7505C						
SURNAME ▶	K. Scanlon						
DATE ▶	Apr 12, 1995						

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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. Should you have any questions or concerns, please call Kathryn Scanlon on (703) 305-7382.

Sincerely Yours,



Connie B. Welch

Product Manager (21)

Fungicide-Herbicide Branch

Registration Division (7505C)

Front Panel of Booklet

Apron® FS

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 21 1995

Fungicide

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-684

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

Active Ingredient:

Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester	33.3%
Inert Ingredients:	66.7%
Total:	100.0%

Apron FS contains 3.0 lbs. active ingredient per gallon.

See additional precautionary statements at end of label booklet.

See directions for use inside booklet.

Keep Out of Reach of Children.

Caution

EPA Est.
EPA Reg. No. 100-684

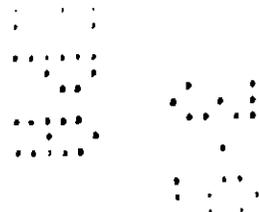
Apron® trademark of Ciba-Geigy

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One Gallon
U.S. Standard Measure

Ciba Crop Protection
Seed Treatment Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

[GANNONC.LABELA]APRFLOF2 - 11/22/94



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.

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.

DIRECTIONS FOR USE

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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

General Information

Apron FS is a systemic fungicide seed dressing specifically for control of systemic downy mildews and diseases caused by soil-

borne Pythium and Phytophthora spp. When a rate range is specified, use higher rates of Apron FS when the disease pressure is expected to be high.

For control of other soil borne diseases, such as Rhizoctonia spp., Apron FS 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 insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Ciba-Geigy cannot assume liability for crop damage resulting from insensitive strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible Apron insensitive strains of fungi which may occur.

Apron FS 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.

Seed Treatment - Domestic Use

- Carrots - For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.
- Cotton - For Pythium seed rot and damping-off control: Apply Apron FS as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 0.75-1.5 fl. ozs. per 100 lbs. of seed.
- 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 FS as a seed treatment at the rate of 0.75-1.5 fl. ozs. 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 FS as a seed treatment at the rate of 1.5 fl. ozs. per 100 lbs. of seed.

For suppression of early season downy mildew in alfalfa and soybeans: Apply Apron FS as a seed treatment at the rate of 1.5 fl. ozs. per 100 lbs. of seed.

Garden Beets

- For Pythium damping-off control: Apply Apron FS as a seed treatment at the rate of 1.5 fl. ozs. 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 FS as a seed treatment at the rate of 0.75-1.5 fl. ozs. per 100 lbs. of seed.

For Pythium seed rot and damping-off control in field corn when applied in combination with captan products at labeled rates: Apply Apron FS as a seed treatment at 0.09 fl. ozs. per 100 lbs. of seed.

- For systemic downy mildew control of sweet corn: Apply Apron FS as a seed treatment at the rate of 3.0 fl. ozs. per 100 lbs. of seed.

For Pythium seed rot and damping-off control in rice when applied in combination with Vitavax® 200, 42-S Thiram, or RTU® Vitavax®-Thiram at labeled rates: Apply Apron FS as a seed treatment at 0.09 fl. ozs. per 100 lbs. of seed.

Note: If using Apron FS treated rice seed, do not use Ridomil® for control of Pythium in water seeded rice.

Legume Vegetables
and Okra

- 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 control: Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

For early season Phytophthora control: Apply Apron FS as a seed treatment at 1.5 fl. ozs. per 100 lbs. of seed.

For Pythium damping-off and systemic downy mildew control of peas: Apply Apron FS as a seed treatment at the rate of 3.75 fl. ozs. per 100 lbs. of seed.

Peanuts

- For Pythium seed rot and damping-off control: Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

Sorghum

- For Pythium damping-off control on all sorghum cultivars: Use 1.5 fl. ozs. of Apron FS per 100 lbs. of seed applied as a seed treatment.

For systemic downy mildew control: Apply 1.5 fl. ozs. of Apron FS 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 grown in areas with recent history of severe disease, apply 3.0 fl. ozs. of Apron FS per 100 lbs. of seed as a seed treatment.

Note: Seed treated with the 3.0 fl. ozs. 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 FS.

- Sugar Beets - For Pythium damping-off control: Apply Apron FS as a seed treatment at the rate of 1.5 fl. ozs. per 100 lbs. of seed.
- Soybeans - For Pythium damping-off and early season Phytophthora control: Apply Apron FS as a seed treatment at the rate of 0.75-1.5 fl. ozs. per 100 lbs. of seed.
- Sunflower - For systemic downy mildew control: Apply Apron FS as a seed treatment at the rate of 3 fl. ozs. per 100 lbs. of seed.
- Turfgrasses (All) - For Pythium damping-off control on golf courses, home lawns, reclamation and erosion control projects: Apply Apron FS as a seed treatment at the rate of 1.5-3.0 fl. ozs. 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. **User should verify actual registered rate in county of destination and/or use.**

- Brassica (Cole)
Leafy Vegetables - For Pythium damping-off control: Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.
- Corn For Pythium damping-off control: Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron FS as a seed treatment at 4.4 fl. ozs. per 100 lbs. of seed.
- Cucurbits For Pythium damping-off control: Apply Apron FS as a seed treatment

at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

Fruiting Vegetables
(e.g. tomatoes, peppers, eggplant)

For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

Leafy Vegetables

For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

Onions

For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

Peas

For Pythium damping-off and early season Phytophthora control:
Apply Apron FS as a seed treatment 1.5 fl. ozs. per 100 lbs. of seed. For downy mildew control, apply Apron FS as a seed treatment at 2.9 fl. ozs. per 100 lbs. of seed.

Millet

For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron FS as a seed treatment at 5.6 fl. ozs. per 100 lbs. of seed.

Root and Tuber Vegetables

For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed.

Note: Do not apply Apron FS to potatoes.

Sorghum

For Pythium damping-off control:
Apply Apron FS as a seed treatment at 0.75-1.5 fl. ozs. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron FS as a seed treatment at 4.4 fl. ozs. per 100 lbs. of seed.

Sunflower

For systemic downy mildew control:

Apply Apron FS as a seed treatment at 7.5-8.9 fl. ozs. per 100 lbs. of seed.

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.

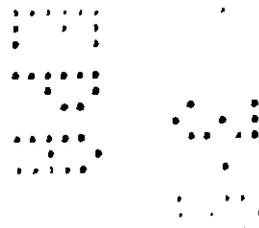
Storage and Disposal

Pesticide Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke from burning containers.



Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

Statement of Practical Treatment

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

If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air.

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

Note to Physician: If Apron FS is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal can be considered.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Apron® and Ridomil® trademarks of Ciba-Geigy Corporation

RTU® trademark of Gustafson, Inc.

Vitavax® trademark of Uniroyal Chemical Company, Inc.

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Ciba Crop Protection
Seed Treatment Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA (New Draft)

June 8, 1989

[GANNONC.LABELA]APRFLOF2

Container Label

Apron® FS

Fungicide

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

Active Ingredient:

Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester	33.3%
Inert Ingredients:	66.7%
Total:	100.0%

Apron FS contains 3.0 lbs. active ingredient per gallon.

EPA Reg. No. 100-684

EPA Est.

Apron® trademark of Ciba-Geigy

See directions for use in attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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One Gallon
U.S. Standard Measure

Keep Out of Reach of Children

Caution

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

Statement of Practical Treatment

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

If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air.

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

Notes to Physician: If Apron FS is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal can be considered.

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 or rinsate. Apply only as specified in this label. Dispose of excess treated seed by burial away from bodies of water.

Container Disposal

Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke from burning containers.

Ciba Crop Protection
Seed Treatment Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA (New Draft)

June 8, 1989 -
Registered

Revised

Add PR Notice 93-11
pre-approved exclusionary
statement for commercial
seed trt., PR Notice 93-3
environmental hazard
statement, "resistance"
to "insensitivity."

[GANNONC.LABELA]APRFLOF2 - 11/15/94

