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100-738

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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							

1715'

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)

BEST COPY AVAILABLE

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Front Panel - 1 lb.
Booklet - 1 lb.
Bag - 4 lb.

with COMMENTS
in EPA Letter Dated

APR 21 1995

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

100-738

Apron® 50W

Accu-Pak®

FUNGICIDE

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

One Pound
Net Weight

Four Pounds
Net Weight

Active Ingredient:	
Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester	50.0%
Inert Ingredients:	50.0%
Total:	100.0%

Apron 50W is a wettable powder.

EPA Reg. No. 100-738

EPA Est. 67545-AZ-1

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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.)

See additional precautionary statements on panel at left and directions for use on panel at right. (For the 4 lb. bag)

See additional precautionary statements and directions for use inside booklet. (For the 1 lb.)

This outer protective container contains Apron 50W in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately drop entire unopened inner bag into the partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

[GANNONC.LABELA]APR5AP-B - 11/11/94

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. 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.

General Information

Apron 50W 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 50W when the disease pressure is expected to be high.

For control of other soil borne diseases, such as Rhizoctonia spp., Apron 50W should be applied in combination with other registered seed dressing fungicides.

Note: Apron 50W is a systemic fungicide having a specific mode of action. Apron 50W 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 50W insensitive strains of fungi which may occur.

Apron 50W 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.

Mixing Instructions

Prepare no more mixture than is necessary for the immediate operation. Agitate thoroughly before and during application. Mechanical agitation is required for proper mixing of Apron 50W soluble prepacks.

Apron 50W Alone: Add all of the required water to the mix tank. With the agitator running, drop the required number of unopened soluble bags of Apron 50W into the tank. Begin application of the spray solution after the soluble bags have dissolved, and the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Apron 50W + Tank Mixtures: Add all of the required water to the mix tank. With the agitator running, drop the required number of unopened soluble bags of Apron 50W into the tank at once. Tank mix partners may be added when the Apron 50W soluble bags and their contents have dissolved and dispersed into the mix water. Continue agitation when adding the tank mix partners. Spray the mixture with the agitator running.

Precautions: (1) When more than one product is packaged in soluble bags, mix all of those products together at once. Add any other products after the soluble bags have completely dissolved, and the materials have completely dispersed into the mix water. (2) The maximum recommended concentration of Apron 50W in slurries is 7 oz. of Apron 50W in 10 oz. of water per 100 lbs. of seed.

If using Apron 50W in a tank mixture with other seed treatment chemicals, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing.

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
- Protective eyewear

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

Carrots

- For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

Cotton

- For Pythium seed rot and damping-off control: Apply Apron 50W as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 0.5-1 oz. 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 50W as a seed treatment at the rate of 0.5-1 oz. 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 50W as a seed treatment at 1.0 oz. per 100 lbs. of seed.

For suppression of early season downy mildew in alfalfa and soybeans: Apply Apron 50W as a seed treatment at the rate of 1 oz. per 100 lbs. of seed.

Garden/Table Beets

- For Pythium damping-off control: Apply Apron 50W as a seed treatment at the rate of 1 oz. 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 50W as a seed treatment at the rate of 0.5-1 oz. 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 50W as a seed treatment at 0.07 oz. per 100 lbs. of seed.

For systemic downy mildew control of sweet corn: Apply Apron 50W as a seed treatment at the rate of 2 oz. 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 50W as a seed treatment at 0.07 oz. per 100 lbs. of seed.

Note: If using Apron 50W 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, 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 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs of seed.

For early season Phytophthora control: Apply Apron 50W as a seed treatment at 1.0 oz. per 100 lbs. of seed.

For Pythium damping-off and systemic downy mildew control of peas: Apply Apron 50W as a seed treatment at the rate of 2.5 oz. per 100 lbs. of seed.

Peanuts

- For Pythium seed rot and damping-

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off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

Sorghum

- For Pythium damping-off control on all sorghum cultivars: Use 1 oz. of Apron 50W per 100 lbs. of seed applied as a seed treatment.

For systemic downy mildew control: Apply 1 oz. of Apron 50W 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 2 oz. of Apron 50W per 100 lbs. of seed as a seed treatment.

Note: Seed treated with the 2 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 50W.

Sugar Beets

- For Pythium damping-off control: Apply Apron 50W as a seed treatment at the rate of 1 oz. per 100 lbs. of seed.

Soybeans

- For Pythium damping-off and early season Phytophthora control: Apply Apron 50W as a seed treatment at the rate of 0.5-1 oz. per 100 lbs. of seed.

Sunflower

- For systemic downy mildew control: Apply Apron 50W as a seed treatment at the rate of 2 oz. per 100 lbs. of seed.

Turfgrasses (All)

- For Pythium damping-off control on golf courses, home lawns, reclamation, and erosion control projects: Apply Apron 50W as a seed treatment at the rate of 1-2 oz. 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.

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 country of destination and/or use.

Brassica (Cole)

Leafy Vegetables

- For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

) Corn

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron 50W as a seed treatment at 3.3 oz. per 100 lbs. of seed.

Cucurbits

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

Fruiting Vegetables

(e.g. tomatoes, peppers, eggplant)

) For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

Leafy Vegetables

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed

Onions

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

Peas

For Pythium damping-off and early season Phytophthora control: Apply Apron 50W as a seed treatment 1.0 oz. per 100 lbs. of seed. For downy mildew control, apply Apron 50W as a seed treatment at

2.2 oz. per 100 lbs. of seed.

Millet

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron 50W as a seed treatment at 4.2 oz. per 100 lbs. of seed.

Root and Tuber Vegetables

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed.

Note: Do not apply Apron 50W to potatoes.

Sorghum

For Pythium damping-off control: Apply Apron 50W as a seed treatment at 0.5-1.0 oz. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron 50W as a seed treatment at 3.3 oz. per 100 lbs. of seed.

Sunflower

For systemic downy mildew control: Apply Apron 50W as a seed treatment at 5.6-6.7 oz. 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

Storage - Store in a cool, dry place. Do not store this product under wet conditions. Handle outer container carefully to avoid breakage of inner soluble bag.

Pesticide Disposal

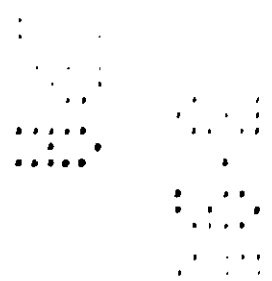
Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a viola-

tion 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

Do not reuse outer container. Dispose of empty outer container 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

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes substantial, but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist.

Statement of Practical Treatment

If in eyes: Hold eyelids open and flush eyes with a steady, gentle stream of water for 15 minutes.

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 inhaled: Move to fresh air.

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

Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.

Personal Protective Equipment:

Applicators and other handlers must wear:

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

Accu-Pak®, Apron®, Ridomil® and Subdue® trademarks of Ciba-Geigy Corporation

U.S. Patent No. 4,151,299

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 66L24 (DRAFT) - 4 lb. printed bag
CGA 66L26 (DRAFT) - 1 lb. booklet

Revised July 13, 1992
June 13, 1994
Adding 1 lb. size,
PR 93-11 WPS exclusion
statement and insensitivity
replacing resistance
Revised September 1, 1994

[GANNONC.LABELA]APR5AP-B - 11/11/94