

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

100-738

DATE OF ISSUANCE

FEB 26 1993

TERM OF ISSUANCE

CONDITIONAL

NAME OF PESTICIDE PRODUCT

APRON 50W FUNGICIDE

NOTICE OF PESTICIDE: ☒ REGISTRATION
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

FILE

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Ciba-Geigy Corporation
P. O. Box 18300
Greensboro, North Carolina 27419-8300

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 indorsement 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.

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

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 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 labeling changes listed below before you release the product for shipment:

- Add the phrase "EPA Registration No. 100-738."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Carl S. Grable for Ben Chambliss

FEB 26 1993

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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 labeling is enclosed for your records.



Ben C. Chambliss
Acting Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosures

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PM21 100-738

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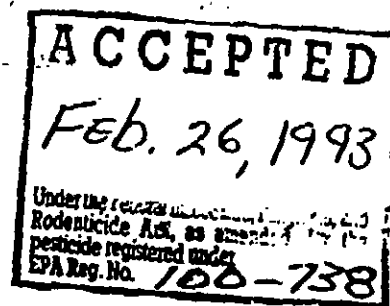
Apron® 50W

Fungicide

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

For use only by commercial seed treaters

Four Pounds
Net Weight



Active Ingredient:

✓ Metalaxyl: <u>N-(2,6-dimethylphenyl)-N-</u>		
<u>(methoxyacetyl) alanine methyl ester</u>	50.0%	✓
<u>Inert Ingredients:</u>	50.0%	✓
<u>Total:</u>	100.0%	✓

Apron 50W is a wettable powder.

EPA Reg. No. 100-

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See directions for use on panel at right.

See additional precautionary statements on back of bag.

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.

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, NC 27419

CIBA-GEIGY

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[GANNONC.LABELA] APRON50W_F40 - 7/9/92

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. 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 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 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 prepacks of Apron 50W into the tank. Begin application of the spray solution after the pouches 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 prepacks of Apron 50W into the tank at once. Tank mix partners may be added when the Apron 50W prepacks and their contents have dissolved and dispersed into the mix water. Continue agitation when adding the tank mix partners. Spray the mixture with the agitation running.

Precautions: 1) When more than one product is packaged in soluble prepacks, mix all of those products together at once. Add

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any other products after the soluble prepacks 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 ounces of Apron 50W in 10 ounces of water per 100 pounds 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.

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 50W as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 1/2-1 ounce 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 1/2-1 ounce 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 the rate of 1 ounce 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 ounce per 100 lbs. of seed.

Garden/Table Beets

- For control of Pythium damping-off: Apply Apron 50W as a seed treatment at the rate of 1 ounce 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 1/2-1 ounce per 100 lbs. of seed.

- For control of systemic downy mildew of sweet corn: Apply Apron 50W as a seed treatment at the rate of 2 ounces 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 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.

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

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

Sorghum

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

For control of systemic downy mildew, apply 1 ounce 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 in heavily infected areas with recent severe history of disease, apply 2 ounces of Apron 50W per 100 lbs. of seed as a seed treatment. Seed treated with the 2 ounces 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 control of Pythium damping-off: Apply Apron 50W as a seed treatment at the rate of 1 ounce 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 1/2-1 ounce per 100 lbs. of seed.

Sunflower

- For control of systemic downy mildew: Apply Apron 50W as a seed treatment at the rate of 2 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 50W as a seed treatment at the rate of 2-7 ounces per 100 lbs. of seed.

Sunflower

- For control of systemic downy mildew: Apply Apron 50W as a seed treatment at the rate of 4-7 ounces per 100 lbs. of seed.

Corn

- For control of Pythium damping-off and systemic downy mildew of corn: Apply Apron 50W as a seed treatment at the rate of 2-7 ounces per 100 lbs. of seed.

) Millet

- For control of Pythium damping-off and systemic downy mildew of millet: Apply Apron 50W as a seed treatment at the rate of 2-7 ounces per 100 lbs. of seed.

Peas

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

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

If in eyes: Flush eyes with plenty of water. Get medical attention.

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 victim to fresh air.

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

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

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.

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

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