



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (H7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:
 100-758

Date of Issuance:
 OCT 5 1995

1210

Term of Issuance: Conditional

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Name of Pesticide Product:
 MaximTM 4FS

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

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

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. Perform a confirmatory test in vivo specifically looking for aneuploidy (in light of the powerful induction of polyploidy in the in vivo Chinese hamster ovary cell cytogenic assay).
3. Perform a repeat in vivo rat hepatocyte study.
4. 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
 Connie B. Welch, PM 21

Date:

10/5/95

Master Labeling/Corn and Sorghum

Maxim™ 4FS

FUNGICIDE

A seed treatment product for control of certain diseases of corn, sweet corn, and sorghum.

Active Ingredient:

4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile 40.3%

Inert Ingredients: 59.7%

Total: 100.0%

Maxim 4FS contains 4 lbs. active ingredient per gallon.

One Gallon One Quart _____ Gallons
U.S. Standard Measure U.S. Standard Measure U.S. Standard Measure

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-758

EPA Est. 5905-GA-01

CGA 180L1 085 (1 gal.)
CGA 180L4 085 (1 quart)
CGA 180L2 085 (bulk)

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 5 1995

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

100-758

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.

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.

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

Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Ciba-Geigy, no claims are made to guarantee the germination of carry-over corn and sorghum seed.

General Information

Maxim 4FS is a seed treatment fungicide which controls soil-borne and seed-borne disease of corn, sweet corn, and sorghum. Maxim is active against *Fusarium*, *Rhizoctonia*, *Helminthosporium*, and weakly pathogenic fungi such as *Aspergillus* and *Penicillium*. When rate ranges are given, use higher rate when disease pressure is expected to be severe.

Mixing Procedures

Apply Maxim 4FS as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the recommended amount of Maxim 4FS into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment. Allow seed to dry before bagging.

Corn (Field Corn and Popcorn)

For control of seed-borne and soil-borne fungi which cause seed decay, damping-off and seedling blights, apply 0.08 to 0.16 fl. oz. of Maxim 4FS per 100 lbs. of seed.

An Apron® flowable or wettable powder seed treatment product must be applied in combination with Maxim 4FS for control of *Pythium* spp. Apply the Apron product at 0.032 oz. active ingredient per 100 lbs. of seed (equal to 2 grams active ingredient/100 kg seed) tank-mixed with the recommended rate of Maxim 4FS. Follow application and other instructions found on the Apron product label.

Sorghum

For control of seed-borne and soil-borne fungi which cause seed decay, damping-off and seedling blights, apply 0.08 to 0.16 fl. oz. of Maxim 4FS per 100 lbs. of seed.

Apron® 50W Fungicide (EPA Reg. No. 100-738) must be applied in combination with Maxim 4FS for control of damping-off due to *Pythium* spp. Apply Apron 50W at 0.5-1.0 oz. product per 100 lbs. of seed tank-mixed with recommended rates of Maxim 4FS. For systemic downy mildew control on cultivars which possess sorghum downy mildew resistance, apply Apron 50W at 1 oz. per 100 lbs. of seed as a tank-mix with recommended rates of Maxim 4FS. 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 tank-mixed with recommended rates of Maxim 4FS. Follow application and other instructions found on the Apron 50W label.

Note: Seed treated with the 2 oz. rate of Apron 50W should be planted and not stored or carried over to the following year.

Sweet Corn

For control of seed-borne and soil-borne fungi which cause seed decay, damping-off and seedling blights, apply 0.08 to 0.16 fl. oz. of Maxim 4FS per 100 lbs. of seed.

An Apron flowable or wettable powder seed treatment product must be applied in combination with Maxim 4FS for control of damping-off due to *Pythium* spp.

Apply the Apron product at 0.25 to 0.5 oz. active ingredient per 100 lb. of

seed tank-mixed with the recommended rates of Maxim 4FS. For control of systemic downy mildew of sweet corn, apply an Apron seed treatment product of 1 oz. active ingredient per 100 lbs. of seed tank-mixed with recommended rates of Maxim 4FS. Follow application and other instructions found on the Apron product label.

Important: (1) Do not use treated seed for feed, food, or oil. (2) Corn and sorghum forage may not be grazed until 30 days after planting.

Federal law requires that bags containing treated seed shall be labeled with the following information: "This seed has been treated with fludioxonil fungicide. (or when applied with Apron seed treatment: "This seed has been treated with fludioxonil and metalaxyl fungicide.) Do not use for feed, food or oil purposes. Store away from feed and foodstuffs. Corn and sorghum forage may not be grazed until 30 days after planting." Use an EPA-approved dye or colorant that imparts an unnatural color to the seed.

Storage and Disposal

Pesticide Storage and Disposal

Store in a cool, dry place. Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

Container Disposal (For one gallon, one quart)

Triple rinse (or equivalent), then offer for recycling or reconditioning or 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.

Container Refilling and Disposal (For Bulk)

Refer to the label on container for refilling and disposal instructions.

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.

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Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through skin. 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 with plenty of water. Call a physician if irritation persists.

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

If swallowed: Immediately 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. Call a physician or Poison Control Center.

If inhaled: Move to fresh air.

Note to Physician

There is no specific antidote if Maxim 4FS is ingested. Induce emesis or lavage stomach. Treat symptomatically.

Note: Workers must wear long pants, long sleeve shirts, and chemical-resistant gloves when applying Maxim as a seed treatment to corn and sorghum.

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. 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 rinsates.

Apron® and Maxim™ trademarks of Ciba-Geigy Corporation
U.S. Patent Nos. 4,151,299; 4,705,800

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**Ciba Crop Protection
Seed Treatment Products
Ciba-Geigy Corporation
Greensboro, NC 27419**

**CGA 160L1 085 (1 gal.)
CGA 160L4 085 (1 quart)
CGA 160L2 085 (bulk)**

**Product ID: 51521 (1 gal.)
Product ID: 51785 (bulk-Maxim only)**

Initial Registration:

9910

**Pressure-Sensitive Label
(For One Gallon)**

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

OCT 5 1995

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

100-759

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FUNGICIDE

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Total: 100.0%

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**One Gallon
U.S. Standard Measure**

**One Quart
U.S. Standard Measure**

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

CGA 160L1 085 (1 gallon)

CGA 160L4 085 (1 quart)

[QUARK]MAXIM4FS - 10/5/95