

PM 21

100-821

10/30/97

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

EPA Reg-
Number:

100-821

Date of Issuance:

10/30/97

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

Term of Issuance:
Conditional - Reg.
Expires Oct. 31, 2001

(under FIFRA, as amended)

Name of Pesticide Product:
Maxim T Potato Seed
Protectant

Name and Address of Registrant (include ZIP Code):

Novartis Crop Protection, Inc.
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 by October 31, 2000 the following studies conducted in accordance with the Good Laboratory Practice Standards, 40 CFR Part 160, and appropriate test guidelines as referenced in EPA's Data Requirements for Registration Regulations, 40 CFR Part 158:

- a. Repeat of the in vivo rat hepatocyte study with a primary interest in determining the mechanism(s) for inducing genetic damage.
- b. Repeat of the bone marrow micronucleus assay using lower doses.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 100-821" before you release the product for shipment.
- b. Remove the ISO provisionally accepted common name, fludioxonil, as an active ingredient common name in the Ingredient Statement.

Signature of Approving Official:

Mary J. Walker

Date:

10/30/97

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EPA Reg. No. 100-821

- c. Under "Mixing Procedures", in the fourth paragraph, change, "This seed has been treated with fludioxonil fungicide. Store away from feed and foodstuffs.", to "This seed has been treated with 4-(2,2-difluoro-1,3-benzodioxol-4-yl) -1H-pyrrole-3-carbonitrile fungicide. Store away from feed and foodstuffs."
3. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on potato seed pieces is conditionally registered, in accordance with FIFRA Section 29. The fiscal year begins October 1, and ends September 20. The product information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information is submitted to:

Registration Support Branch
Registration Division (7505C)
401 M Street, S.W.
Washington, DC 20460

4. Submit two copies of the revised final printed labeling before you release the product for shipment.

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.

Sincerely,

Mary J. Waller

Mary L. Waller
Acting Product Manager 21
Fungicide Branch, RD (7505C)

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Draft Master Label
(50 lb. bag)

Maxim™ T Potato Seed Protectant

FUNGICIDE

A seed treatment product for control of certain diseases of potatoes

Active Ingredient:

Fludioxonil: 4-(2,2-difluoro-1,3-benzodioxol -4-yl)-1H-pyrrole-3-carbonitrile	0.5%
Inert Ingredients:	99.5%
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Total:	100.0%

Maxim T Potato Seed Protectant contains 0.005 lb. active ingredient per pound.

50 Pounds
Net Weight

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

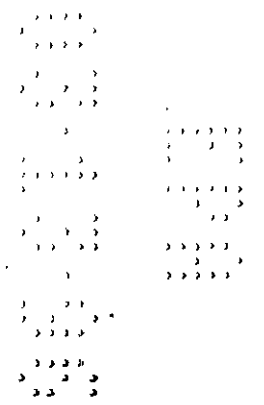
EPA Reg. No. 100-

EPA Est. 5905-GA-01

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

10/30/97

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-521



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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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DIRECTIONS FOR USE

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

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.

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, AND/OR ILLEGAL RESIDUES.

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Treatment of highly mechanically scarred or damaged seed pieces, or seed pieces 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. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment. Treat using equipment similar to that planned for treating the total seed lot.

General Information

Maxim T Potato Seed Protectant is a dry fungicide seed protectant designed to control certain fungal diseases of potatoes. Maxim T Potato Seed Protectant provides control of *Fusarium* dry rot seed decay, *Rhizoctonia* stem canker, and silver scurf. It does not control bacterial diseases or disease present within the seed.

Maxim T Potato Seed Protectant is to be used as an integral part of a potato disease management strategy. This strategy includes the use of high quality seed pieces and the incorporation of cultural techniques such as: crop rotation and optimal harvest time for tubers to minimize disease development; proper handling of tubers to avoid unnecessary bruising, management and sanitation of equipment and storage areas to reduce inoculum including avoidance of storage conditions that lead to free moisture or condensation; and application of the seed protectant to clean seed pieces with a properly calibrated application system. Consult your local agricultural extension agent for more detailed information on disease management practices.

DO NOT USE IF YOU WILL STORE CUT SEED LONGER THAN 7 DAYS.

DO NOT USE ON SEED TO BE PLANTED FOR THE PRODUCTION OF SEED.

Note: Fludioxonil is a fungicide with a specific mode of action that could be subject to development of less sensitive 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 your State Agricultural Experiment Station or Extension Service Specialist for guidance on your particular disease control situation. Do not use this product in Jefferson County, Idaho.

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Mixing Procedures

Use Maxim T Potato Seed Protectant at the rate of 0.5 lbs. of product per 100 lbs. of seed pieces. Apply using equipment that ensures uniform and thorough coverage of each seed piece. Thoroughly clean and sanitize all surfaces of cutting equipment (e.g., cutting machines, knives, and tables), as well as planting equipment and planters, before cutting and planting seed pieces. After cutting, treated seed pieces should be planted in warm, moist soil.

Do not use treated seed pieces for food, feed, or fodder.

Apply only in areas with adequate ventilation or dust collection and control equipment.

Federal law requires that bags containing treated seed shall be labeled with the following information: "This seed has been treated with fludioxonil fungicide. Store away from feed and foodstuffs." Use an EPA-approved dye or colorant that imparts an unnatural color to the seed.

Rotational Crops

Do not rotate to any crop, other than potatoes, corn, sorghum, leafy vegetables, or root and tuber vegetables, within one year of application of seed treated with Maxim T Potato Seed Protectant.

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. To dispose of wastes resulting from the use of this product, 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

Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay 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

CAUTION

Causes eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing.

Statement of Practical Treatment

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

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

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

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available 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.

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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

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.

Maxim™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,705,800

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

CGA

[QUARK/MAXIM T/MAXIM T-PSP] - ccg - 3/11/96