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

55947-113

DATE OF ISSUANCE

7-113_____

TERM OF ISSUANCE

Conditional

REGISTRATION NO

NOTICE OF PESTICIDE: REGISTRATION

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

Sandofan 31F Fungicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Sandoz Agro, Inc. 1300 East Touhy Avenue Des Plaines, Illinois 60918

NCTE: 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 posticide 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.

others. This product is conditionally registered in accordance with FIFRA section 3(c)(7)(C) provided that:

1. You will submit the data listed below, conducted in accordance with the 40 CFR Part 158 test guidelines referred to below:

Guideline Reference

Number	Title of Study	<u>Date Due</u>		
81-1 81-3	Acute Oral Toxicity Acute Inhalation		•	1993
81-6	Dermal Sensitization		•	1993 1993

- 2. If necessary, you will submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
- 3. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the product is conditionally registered, in accordance with MIFRA section 29. The fiscal year begins October 1, and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

FTACHMENT	S APPLICABLE
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SIGN/ TURE OF APPROVING OFFICIAL

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EPA Form \$570-6 (Rev. 5-76)

This information should be submitted to:

U.S. Environmental Protection Agency Office of Pesticide Programs (H7504C) Document Processing Desk (RSB) 401 M Street, S.W., CM #2 Washington, DC 20460

- 4. Add the phrase, "EPA Registration No. 55947-113" to your label before you release the product for shipment.
- 5. Since rotational crop restrictions apply to this product, add a statement to the label indicating that labeling for treated seed must contain a statement such as "Do not plant crops which are not registered for use with oxadixyl in fields planted with oxadixyl treated seed within one year of planting".
- 6. Submit five (5) copies of your 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 yours,

Susan T. Lewis Product Manager (21) Fungicide-Herbicide Branch Registration Division (H-7505C)

Encl.

H7505C:C.Grable:cg:5/15/92

PHO- 5-9.11.113 3049

SANDOPAN® 31F FUNGICIDE

A seed treatment chemical for control & suppression of seed rot and damping off diseases of certain crops.

For Use Only By Commercial Seed Treaters

ACTIVE INGREDIENT:

Oxadixyl {2-methoxy-N-(2,oxo-1,3-oxazolidin-3-yl)-acet-2',6'-xylidide}	• • • • • • • • • •	31.0%
INERT INGREDIENTS:	• • • • • • • • •	<u>69.0</u> %
	TOTAL	
Contains 2.65 pounds oxadixyl per gallon ACC	EPTED	* * * * * * * * * * * * * * * * * * *

EPA Reg. No. 55947-

EPA Est. No.

NET CONTENTS: 2-1/2 U.S. Gallons

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KEEP OUT OF REACH OF CHILDREN

WARNING

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Sandoz Agro, Inc. 1300 East Touhy Avenue Des Plaines, Illinois 60018

SANDOFAN® is a Registered Trademark of Sandoz LTD.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Do not get in eyes. Wear goggles.

Harmful if absorbed through skin. Avoid contact with skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust or spray mist.

FIRST AID

IF ON SKIN: Wash with plenty of soap and water. Get medical

IF IN EYES: Flush eyes with plenty of water. Get medical
attention.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters. Apply only as specified on this label. Cover or incorporate spilled treated seeds.

STORAGE AND DISPOSAL

STORAGE:

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Do not use or store near heat or open flame.

PESTICIDE DISPOSAL:

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

CONTAINER DISPOSAL:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP TNJURY OR POOR DISEASE CONTROL.

Do not apply this product through any type of irrigation system.

NOTE: SANDOFAN® 31F Fungicide is a systemic fungicide having a specific mode of action which could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted, therefore, Sandoz Agro, Inc. cannot assume liability for crop damage resulting from resistant strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service for guidance and ways to control any possible resistant strains of fungi which may occur.

SANDOFAN® 31F is a systemic fungicide seed dressing specifically for control of Pythium and suppression of Phytophthora spp. For control of other soilborne diseases, such as Rhizoctonia spp., SANDOFAN® 31F should be applied in combination with other registered seed dressing fungicides.

5ANDOFAN® 31F 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. Use the higher rate when conditions of heavy disease pressure are expected.

Fruiting Vegetables: Cantaloupes, cucumbers, eggplant, gourds, melons, peppers (including

chili, sweet, bell and pimentos), pumpkins, summer squash, tomatoes, watermelons and winter squash.

Leafy Vegetables:

Broccoli, brussels sprouts, cabbage, cauliflower, celery, collards, kale, rape, rhubarb and spinach.

For <u>Pythium</u> damping off; Apply SANDOFAN® 31F as a seed treatment at the rate of 1.50 fluid ounces per 100 lbs. of seed.

For <u>Pythium</u> damping off; Apply SANDOFAN® 31F as a seed treatment at the rate of 1.50 fluid ounces per 100 lbs. of seed.

Soybeans:

Peas:

Cotton (acid delinted, delinted mechanic 11y):

Sunflower:

Root and Tube. Vegetables:
Beets, carrots, parsnip, radish,
rutabagas, sugar beets and turnip.

For <u>Pythium</u> damping off and early season <u>Phytophthora control</u>; Apply SANDOFAN® 31F as a seed treatment at the rate of 1.50-2.25 fluid ounces per 100 lbs. of seed.

For <u>Pythium</u> damping off and early season <u>Phytophthora control</u>; Apply SANDOFAN® 31F as a seed treatment at the rate of 1.50-2.25 fluid ounces per 100 lbs. of seed.

For <u>Pythium</u> seed rot and damping off; Apply SANDOFAN® 31F as a seed treatment at the rate of 0.75-1.50 fluid ounces per 100 lbs. of seed.

For Pythium seed rot and damping off; Apply SANDOFAN® 31F as a seed treatment at the rate of 0.75-1.50 fluid ounces per 100 lbs. of seed. For suppression of early season systemic Downy Mildew, apply at the rate of 3.0 fluid ounces per 100 lbs. of seed.

For control of <u>Pythium</u> damping off. Apply SANDOFAN® 31F ?s a seed treatment at the rate of 1.50 fluid ounces per 100 lbs. of seed.

Grain Crops (except wheat):
Barley, buckwheat, corn (field, sweet and popcorn), millet, oats rye, sorghum, and triticale.

Turf Grasses:

Forage Grasses:

Forage Legumes:
Alfalfa, clover, lespedeza,
lupines, tretoil, vetch and
velvet beans.

For control of <u>Pythium</u> damping off; Apply SANDOFAN® 31F as a seed treatment at the rate of 0.75-1.50 fluid ounces per 100 lbs. of seed.

For <u>Pythium</u> damping off on golf courses and home lawns; Apply SANDOFAN® 31F as a seed treatment at the rate of 0.75-1.50 fluid ounces per 100 lbs. of seed.

For Pythium damping off control; Apply SANDOFAN® 31F as a seed treatment at the rate of 0.75-1.50 fluid ounces per 100 lbs. of seed.

For control of <u>Pythium</u> damping off and early season <u>Phytophthora</u> suppression; Apply SANDOFAN® 31F as a seed treatment at the rate of 0.75-1.50 fluid ounces per 100 lbs. of seed.

NOTE: Federal Law requires that bags containing treated seeds shall be labeled with the following information: "This seed has been treated with Oxadixyl Fungicide. Do not use treated seed for feed, food or oil purposes. Store away from feeds and food stuffs."

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USE RESTRICTIONS

Do not use treated seed for food, feed or oil purposes. All seed treated with this product must be colored with an EPA approved dye (e.g., those listed in 40 CFR 180.1001) which imparts an unnatural color to the seed.

Rotational crop restrictions apply. For one year, only labeled crops should be planted back into fields with Oxadixyl treated seed.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, except for the purposes of curative control of existing disease or insect pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Sandoz Agro, Inc. no claims are made to guarancee germination of carry-over seed.

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LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY

NOTICE: Read this Limitation of Warranty and Limitation of Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

It is impossible to eliminate all risks inherently associated with the 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 Sandoz or seller. All such risks shall be assumed by buyer or user.

Sandoz warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, under normal use conditions, subject to the risks described above. SANDOZ MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

In no event shall Sandoz or seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SANDOZ OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SANDOZ OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Sandoz and seller offer this product, and buyer and user accept it, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.