



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

EPA Reg. Number:
3125-435

Date of Issuance:
SEP 21 1995

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Conditional

Name of Pesticide Product:
Oftanol 5% Granular
Turf and Ornamental
Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Bayer Corporation
Agriculture Division
P.O. Box 4913
8400 Hawthorn Road
Kansas City, MO 64120-0013

5476416 161/18

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. Make the following label changes before you release the product for shipment:

- a. Add the phrase, "EPA Reg. No. 3125-435".
- b. You have added the claim for use on "other turf" which did not appear on your previously submitted draft label. Since the label, as presently worded, does not provide directions for use on "other turf", this claim must be deleted from the label.

If you wish to persue registration of the "other turf" use, submit your revised draft label with the appropriate directions for use on the specified "other turf". Also clarify the type of turf intended; i.e. residential, golfcourse.

Signature of Approving Official:
KAT

Date:
SEP 21 1995

3. Submit the data specified below as described in the respective Data Call In (DCI) Notices no later than the specified dates. These due dates represent the current due dates established under the respective DCIs' for similar products and are those data required to support continued registration of the use pattern contained on the subject product label.

<u>Guideline #/DCI issuance Date</u>	<u>Due Date</u>
81-8SS; 5/10/91	12/30/96
82-7SS; 5/10/91	9/2/97
85-4SS; 5/10/91	5/30/95*
132-1(a); 3/3/95	3/24/97
133-3; 3/3/95	3/24/97
231; 3/3/95	3/25/96
232; 3/3/95	3/25/96

* Currently under discussion with SRRD

4. Submit two copies of the revised ~~final~~ printed label prior to release of 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,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

BEST COPY AVAILABLE

OFTANOL 5% Granular T&O

UGL-8349.YLD

U. S. LABEL

Base Pre-Reg. (8349)

Reason to Issue: Registration of a new product.
05/20/94 Draft: To revise in accordance with
EPA comments. 10/11/94 Draft: Remove all
references to greenhouses.

Date of Draft: 10/11/94(Pre-Reg)(S)
Supersedes Pre-Reg Draft Date: 05/20/94
and 06/10/93

OFTANOL®

5% Granular

Turf and Ornamental Insecticide

FOR COMMERCIAL USE ONLY
FOR INSECT CONTROL ON SOD AND NURSERY ORNAMENTALS

ACTIVE INGREDIENT:

1-Methylethyl 2-[[ethoxy[[l-methylethyl)amino]phosphino-thicyl]oxy]benzoate	5%
INERT INGREDIENTS	95%
	100%

EPA Reg. No. 3125-UGL

Net Weight: ___ Pounds

STOP - Read The Label Before Use

Keep Out Of Reach Of Children

CAUTION

ACCEPTED
with COMMENTS
by EPA Letter Dated

SEP 21 1995

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

3125-435

MILES 

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Keep out of reach of children.

Personal Protective Equipment:

Applicators and other handlers who handle this pesticide for Agricultural uses covered by the Worker Protection Standard (40 CFR Part 170) must wear:

- Long-sleeved shirt and long pants
- Water-proof gloves
- Shoes plus socks

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.

User Safety Recommendations:

User 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STATEMENTS OF PRACTICAL TREATMENT

Organophosphate

If **swallowed**, call a physician or Poison Control Center. Vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person.

If **in eyes**, flush with plenty of water. If **on skin**, wash with soap and hot water.

If **inhaled**, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

TO PHYSICIAN: ANTIDOTE - Atropine sulfate or atropine sulfate plus 2-PAM has a slight antidotal effect and should be administered in therapeutic doses. Repeat as necessary to the point of tolerance.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the

mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 product 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

IMPORTANT: Read these entire Directions for Use and Conditions of Sale before using OFTANOL 5% Granular Turf and Ornamental Insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE

PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

OFTANOL 5% Granular Turf and Ornamental Insecticide is for use only by commercial applicators on sod farms or other turf, and nurseries.

APPLICATION EQUIPMENT

Apply OFTANOL 5% Granular uniformly over the area with suitable granular turf application equipment. Do not apply this product with a knapsack applicator or similar equipment that is placed on the user's body. Both drop-type and rotary-type spreaders may be used to apply OFTANOL 5% Granular. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

APPLICATION TECHNIQUES

OFTANOL 5% Granular application using a pull-type drop spreader can be aided by a splash board mounted under the hopper for more uniform granule distribution. A more uniform application can be made by spreading half the required amount of OFTANOL 5% Granular over the area, and then immediately apply the remaining half at right angles or crosswise. The full recommended rate of OFTANOL 5% Granular must be used for maximum benefit.

When applying OFTANOL 5% Granular, use appropriate marking systems and make application when the wind is calm to prevent missed areas.

APPROXIMATE SPREADER SETTINGS FOR OFTANOL 5% Granular

The following chart can be used as a guide in establishing an accurate rate of OFTANOL 5% Granular. The listed settings should provide an application rate of 0.9 lb. per 1,000 sq. ft.

The settings shown will provide a preliminary guide to begin the calibration of the spreaders listed. It is very important to carefully calibrate all the equipment being used to apply OFTANOL 5% Granular insecticide.

OFTANOL 5% Granular Turf and Ornamental Insecticide

SPREADER	SWATH WIDTH	SETTING
Cyclone B-1	10 feet	2.75
Lesco	10 feet	D (Left port 1/2 open)
Scotts R-7X	10 feet	D
Scotts PF #1	21-inch drop	3
Spyker Spreader	7.5 feet	3.2
Gandy Company Turf Tender	(Dependent upon model size)	27 at 4 mph 28 at 4.5 mph
603	(Dependent upon model size)	29 at 5 mph 25 at 4 mph 16 at 4.5 mph 16.5 at 5 mph
Lely Model W (Use standard feed ring, Pt. #RC-2.3201.0250.0 or Pt. #2.3201-0400.0)	20 feet	3.5 at 4.5 mph
Vicon PS-402 (Mounted on Hahn Lawn Tractor)	24 feet	#12 at 5 mph #9 at 4 mph
Warren's T-7 Spreader Improved Model	18 feet	4 1/4 at 2 mph

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RECOMMENDED APPLICATIONS			
CROP	PEST	DOSAGE OFTANOL 5% T&O	REMARKS
Sod Turfgrass	SOIL INSECTS White grub larvae (such as Japanese beetle, Black turf grass ataenius, Chafers, <i>Phyllophaga</i> spp., Green June beetle, Oriental beetle, Asiatic garden beetle) Billbug (Larval stage) Mole crickets Fire ants	0.9 lb/ 1000 sq ft (Equivalent to 2 lb active ingredient per acre.)	<p>Be Sure to Read "APPLICATION EQUIPMENT" Section of this label.</p> <p>Do not apply more than 1.8 lbs of OFTANOL 5% Granular per 1000 sq ft per year or an equivalent amount of 4 lbs active ingredient per acre per year, regardless of formulation used. Minimum interval between applications must be 30 days.</p> <p>Preventive Larval Control: Apply sufficient water to penetrate the soil 1 to 1 1/2 inches deep immediately after application. The product will remain active in the soil to control the target insect. Mow turf only after sufficient irrigation has been applied.</p> <p>Curative Larval Control: For rapid control of existing populations of grub larvae in turf areas: Apply a sufficient amount of water to penetrate the soil 1 to 1 1/2 inches deep immediately after treatment.</p> <p>For Mole Cricket Control: Water immediately after application using 1/2 to 1 inch of water.</p> <p>Area Fire Ant Control: Apply specified dosage uniformly over area to be treated for residual control. Water immediately after application using 1/2 to 1 inch of water. If established fire ant mounds are present, treat mounds with a registered product for that use. (Refer to label for OFTANOL 2 Insecticide). If a mound drench treatment is made with OFTANOL 2 Insecticide only <u>one</u> area treatment with OFTANOL 5% Granular may be made.</p>
	SURFACE INSECTS Sod webworm larvae Chinch bug Hyperodes weevil	0.9 lb/ 1000 sq ft (Equivalent to 2 lb active ingredient per acre.)	<p>Apply 1/4 to 1/2 inch of water immediately after treatment. Reapply as necessary for pest reinfestations. Do not apply more than 1.8 lbs of OFTANOL 5% Granular per 1000 sq ft per year or an equivalent amount of 4 lbs active ingredient per acre per year regardless of formulation used. Minimum interval between applications must be 30 days.</p> <p>For Hyperodes Weevil Control: Apply between full bloom periods of forsythia and flowering dogwood, usually April 15 to May 15, and water-in as directed above.</p> <p>Consult your local turf, state Agricultural Experiment Station, or state Extension Service Specialists for more specific information regarding timing of application.</p>
			Consult your local turf, state Agricultural Experiment Station, or state Extension Specialists for more specific information regarding timing of application.

RECOMMENDED APPLICATIONS			
CROP	PEST	DOSAGE OFTANOL 5% T&O	REMARKS
Nursery Stock (Ornamentals)	White grub larvae (such as Japanese beetle, Chafers, <i>Phyllophaga</i> spp., Asiatic garden beetle) Mole crickets Fire ants	0.9 lb/1000 sq ft	<p>Apply specified dosage per acre or per 1000 sq ft using ground equipment accurately calibrated to uniformly apply a granular pesticide. Do not apply more than 1.8 lbs of OFTANOL 5% Granular per 1000 sq ft per year or an equivalent amount of 4 lbs active ingredient per acre year, regardless of formulation used. Minimum interval between applications must be 30 days.</p> <p>NURSERY STOCK: Uniformly apply the granules in a manner so that the trunks and foliage will not disturb the pattern. Immediately irrigate after application and prior to any cultivation or soil disturbance so that the OFTANOL will be uniformly distributed into the upper soil profile. Apply irrigation in a manner so that no run-off or erosion will occur which could move OFTANOL from the treated area.</p> <p>For Area Mole Cricket and Fire Ant Control: Apply specified dosage uniformly over area to be treated for residual control. Water immediately after application using 1/2 to 1 inch of water. If established fire ant mounds are present treat mounds with a registered product for that use. (Refer to label for OFTANOL 2 Insecticide.) If a mound drench treatment is made with OFTANOL 2 Insecticide only one area treatment with OFTANOL 5% Granular may be made.</p>
Soil Mixes for Nursery and Stock	Japanese beetle larvae Fire Ants	6.3 oz/cubic yard of soil mixture	Potting Soil Treatment: Add 6.3 oz of OFTANOL 5% Granular per cubic yard of soil mixture during the mixing operation. Thoroughly mix the granules to ensure a uniform distribution in the potting soil before filling pots and planting.

RESTRICTIONS

Do not mow treated turf area before irrigation has been applied as per Recommended Applications. Do not graze treated areas or use clippings from treated areas for feed

or forage. Keep children and pets off treated area until dry.

STORAGE AND DISPOSAL

Not for Storage in or Around the Home

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Pesticide that cannot be used according to label directions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.

Container Disposal: Do not use container in connection with food, feed, or drinking water. Dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Do not walk through spilled material. Dispose of pesticide as directed above.

Miles Inc.
Specialty Products
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