

YLD6

Base Pre-Reg. (5030)

U.S. LABEL

Reason to Issue: To propose use
on ornamental beds and nurseries
and on certain non-crop areas.

Date of Draft: 6/22/84 (Pre-Reg (S))
Supersedes Pre-Reg Draft Dated: 10/11/83

EPA Reg. No. 3125-330

® OFTANOL

5% Granular

INSECTICIDE

FOR COMMERCIAL APPLICATOR USE ONLY

FOR INSECT CONTROL ON
TURF GRASSES, ORNAMENTAL BEDS
AND NURSERIES; AND CERTAIN NON-
CROP AREAS

ACTIVE INGREDIENT:

1-Methylethyl 2-[[ethoxy[(1-
methylethyl)amino]phosphino-
thioyl]oxy]benzoate/ 5%

INERT INGREDIENTS 95%
100%

U.S. Patent No. 3,621,082
Canadian Patent No. 825,198

EPA Est. 3125-IA-1
EPA Reg. No. 3125-330

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

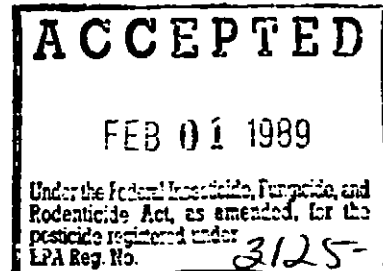
CAUTION

See Rear Panel for Statements of Practical Treatment
and Other Precautionary Statements

NET WEIGHT _____ POUNDS

MOBAY CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, MO. 64120

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BEST AVAILABLE COPY

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse. Keep out of reach of children.

STATEMENTS OF PRACTICAL TREATMENT

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.

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. Do not apply directly to water or wetlands. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you).

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions for Use and Conditions of Sale before using OFTANOL 5% Granular 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 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 THE CROP TO WHICH THE PRODUCT IS APPLIED, OTHER CROPS, ANIMALS, MAN OR THE ENVIRONMENT. MOBAY AND THE SELLER OFFER, 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 MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

OFTANOL 5% Granular is for use only by commercial applicators on ornamental, recreational, and commercial turf including golf courses, cemeteries, sod farms, industrial grounds, parkways, and residential lawns, as well as ornamental beds and nurseries, and non-crop areas such as fence rows and roadsides.

APPLICATION EQUIPMENT

Apply OFTANOL 5% Granular uniformly over the area to be treated with suitable granular application equipment. 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

The application of OFTANOL 5% Granular 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 lbs. per 1,000 sq. ft. or 40 lbs. per acre.

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.

<u>SPREADER</u>	<u>SWATH WIDTH</u>	<u>SETTING</u>
Cyclone B-1	10 feet	2.75
Lesco	10 feet	D (Left port 1/2 open)
Scotts R X-7	10 feet	D
Scotts PF #1	12-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 29 at 5 MPH
603	(Dependent upon model size)	15 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

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OFTANOL 5%G	REMARKS
Turf Grasses Non-crop areas (such as fence rows, and roadsides)	<u>SOIL INSECTS</u>		
	White grub larvae (such as Japanese beetle, Black turf grass ataenius, Chafers, Phyllophaga spp., Green June beetle, Oriental beetle, Asiatic garden beetle)	40 lbs./A or 0.9 lbs./ 1000 sq. ft.	Be Sure to Read " <u>APPLICATION EQUIPMENT Section of this label.</u> " Do not apply more than 80 lbs. of OFTANOL 5% Granular per acre 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. <u>Preventive Larval Control:</u> 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 irri- gation has been applied.
	Billbug (Larval Stage)		<u>Curative Larval Control:</u> <u>For rapid control of existing</u> <u>populations of grub larvae in turf</u> <u>areas:</u> Apply a sufficient amount of water to penetrate the soil 1 to 1- 1/2 inches deep immediately after treatment.
	Hyperodes Weevil (Larval Stage)		<u>For Hyperodes Weevil Control:</u> Apply between full bloom periods of for- sythia and flowering dogwood, usually April 15 to May 15, and water-in as for preventive larvae control.
	Mole crickets Fire ants		<u>For Area Mole Cricket and Fire Ant</u> <u>Control:</u> 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 treatment with OFTANOL 5% . Granular may be made. : Consult your local turf, state Agri- cultural Experiment Station, or state Extension Service Specialists for more specific information regarding timing of application.

RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE OFTANOL 5ZG	REMARKS
Turf Grasses	<u>SURFACE INSECTS</u>		
	Sod webworm larvae Chinch bug	40 lbs/A or 0.9 lbs./ 1000 sq. ft.	<p>Apply 1/4 inch of water immediately after treatment. Reapply as necessary for pest re-infestations. Do not apply more than 80 lbs. of OFTANOL 5Z Granular per acre 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>Consult your local turf, state Agricultural Experiment Station, or state Extension Service Specialists for more specific information regarding timing of application.</p>
Ornamental areas (such as nursery stock and ornamental beds)	White grub larvae (such as Japanese beetle, Chafers, <u>Phyllophaga</u> spp., Asiatic garden beetle) Mole crickets Fire ants	40 lbs/acre or 0.9 lbs/ 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 80 lbs. of OFTANOL 5Z Granular per acre 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><u>NURSERY STOCK/ORNAMENTAL BEDS:</u> 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><u>For Area Mole Cricket and Fire Ant Control:</u> 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 5Z Granular may be made.</p>

RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE OFTANOL 5%G	REMARKS
Soil mixes for ornamen- tals	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.

OFTANOL is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.