

Reason For Issue: Obtain Purina EPA
Registration. Updating Storage &
Disposal Statements.

602-318 PM 16

Date Issued: 1/7/86 (Green)

Prev. Date Issued: 5/23/85



® *

PURINA (R) *

GRUBS 'N BUGS TM
BRAND
With OFTANOL**

Covers 5,000 sq. ft.

(Picture of Grub)

For Insect Control On Turf Grasses

EPA Reg. No. 602-

(3-Row Checkerband (R) *)

ACTIVE INGREDIENTS:

1-Methylethyl 2-[[ethoxy[(1-methylethyl)amino]phosphinothioyl]oxy]benzoate f. . 1.5%

INERT INGREDIENTS 98.5%
100.0%

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

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

NET WT 15 LB

G-3894

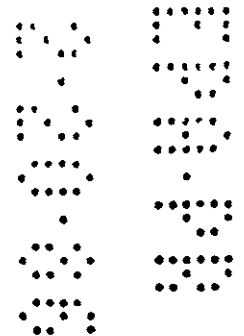
* Trademark of Ralston Purina Company

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

ACCEPTED
MAY 15 1986
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 602-318

Manufactured By
PURINA MILLS, INC.
800 Chouteau Avenue
St. Louis, Missouri 63164 U.S.A.

NET 15 LB (R) *
PURINA (R) *
GRUBS 'N BUGS
BRAND



LEFT SIDE PANEL

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands. Keep out of akes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

RIGHT SIDE PANEL

STORAGE AND DISPOSAL

Household: Do not reuse empty bag. Wrap bag and put in trash.

Pesticide Disposal (Except household): Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal (Except household): Completely empty bag into application equipment. Then 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.

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 bag in a manner as to prevent spillage. If the bag 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.

Back Panel

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 PURINA Grubs 'N Bugs.



CONDITIONS OF SALE: THE DIRECTIONS OF 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. PURINA MILLS, INC. 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 PURINA MILLS, INC. AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

PURINA Grubs 'N Bugs is recommended for use on lawns, and other ornamental and recreational turf grass areas.

APPLICATION EQUIPMENT

Apply Grubs 'N Bugs uniformly over the turf area with suitable granular turf applicator equipment. Both drop-type and rotary-type spreaders may be used to apply Grubs 'N Bugs granules. 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

Grubs 'N Bugs 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 Grubs 'N Bugs granules over the area, and then immediately apply the remaining half at right angles or crosswise. The full recommended rate of Grubs 'N Bugs granules must be used for maximum benefit.

When applying Grubs 'N Bugs, use appropriate marking system and make application when the wind is calm to prevent missed areas.

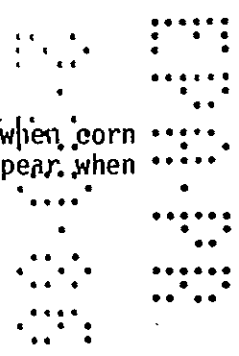
SPREADER SETTINGS

Approximate Spreader Setting's for applying Grubs 'N Bugs at the rate of 3 pounds per 1,000 sq. ft.

MODEL	SETTING*
Cyclone Model B-1	3.5 (5)
Scotts PF-1/011B	6.0 (10)

(Not to be Printed On Bag)

*NOTE: Only one set of numbers will appear on the final printed label depending on the type of carrier used. The lower numbers will appear when corn cob granules are used as the carrier, while the higher numbers will appear when vermiculite is used as the carrier.



RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE		REMARKS
		GRUBS	'N BUGS	
	<u>SOIL INSECTS</u>			
Turf Grasses	White grub larvae (such as Japanese beetle,			Be Sure to Read <u>"APPLICATION EQUIPMENT Section of this label.</u>
	Black turf grass ataeenius, Ciafers,	3 lbs./1,000 sq. ft.		Do not apply more than 6 lbs. of Grubs 'N Bugs granules per 1,000 sq. ft. per year or an equivalent amount of 1.45 ounces active ingredient per 1,000 sq. ft. regardless of formulation used. Minimum interval between applications must be 30 days.
	<u>Phyllophage spp.</u>			<u>For White Grub and Billbug Larval Control:</u>
	Green June beetle, Oriental beetle, Asiatic garden beetle			Water turf area thoroughly immediately after application, using sufficient water to wet soil 1 to 1-1/2 inches deep.
	Billbug (larval stage)			
	Hyperodes weevil (larval stage)			<u>For Hyperodes Weevil Control:</u> Apply between full bloom periods of forsythia and flowering dogwood, usually April 15 to May 15, and water-in as for white grub larval control.
	Mole crickets			<u>For Mole Cricket Control:</u> Water immediately after application using 1/2 to 1 inch of water. Consult your local turf, state Agricultural Experiment Station, or state Extension Service Specialists for more specific information regarding timing of application.

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RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE		REMARKS
		GRUBS	'N BUGS	
Turf Grasses (Cont.)	<u>SURFACE INSECTS</u>			
	Sod webworm larvae Chinch bug	1.5 or 3 lbs. /1,000 sq. ft.		Apply 1/2 to 1 inch of water immediately after treatment. Reapply as necessary for pest re-infestations. Do not apply more than 6 lbs. of Grubs 'N Bugs granules per 1,000 sq. ft. per year or an equivalent amount of 1.45 ounces active ingredient per 1,000 sq. ft. regardless of formulation used. Minimum interval between applications is 15 days for 1.5 lb. rate and 30 days for the 3 lb. rate. Consult your local turf, state Agricultural Experiment Station, or state Extension Service Specialists for more specific information regarding timing of application.

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.

EPA Est. 602-M0-1

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Printed in U.S.A.

