

TRUSTED SINCE 1926

**BONIDE**<sup>®</sup>

**ANNUAL**<sup>™</sup>  
Insect Control  
with  
**SYSTEMAXX**

# Grub Beater<sup>®</sup>

*"it's that simple"*

**One application kills grubs all season long**

**Apply anytime - Spring through late summer**

**Systemic Insecticide for use on turfgrass & landscape ornamentals**

**Also kills European Crane Fly larvae,  
Mole Crickets and other turf  
destroying insects**



**ACTIVE INGREDIENTS:**  
Imidacloprid ..... 0.5%  
**OTHER INGREDIENTS:** ..... 99.5%  
**TOTAL:** ..... 100.0%  
EPA Est. No. 4-NY-1, 32802-MO-1 (B)  
EPA Reg. No. 228-501-4  
RESTRICTION: Not for Sale, Use or Distribution In or Into Nassau,  
Suffolk, Kings, or Queens Counties in New York State.  
GROUP 4A INSECTICIDE

**Keep Out Of Reach Of Children**  
**CAUTION** (See back of this bag for  
additional Precautionary Statements)

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## PRODUCT INFORMATION

This product is a systemic insecticide which controls grubs and other turf destroying insects all season long. Due to the residual activity, applications can be made before or during the time when target pests lay their eggs, which enables the opportunity for high levels of control. **Incorporating:** Incorporation of this product can be achieved by cultivation, irrigation, rainfall, or mechanical placement.

**Woody Perennials:** Onset of protecting is slower than the herbaceous species. A delay of 2 or more weeks should be expected. Longer delays may be expected with larger plants. Application should therefore be made in advance of expected insect activity.

Use this product as a broadcast application to the soil on ornamental gardens and turf early spring through summer on residential areas. Determine the size of the job by measuring the area to be treated. Use the spreader setting chart to determine the appropriate setting for your spreader. Treat as directed from application rate chart. Water in thoroughly after application. Make application prior to anticipated pest infestation to maximize control.

## DIRECTIONS FOR USE

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

### READ THE ENTIRE LABEL BEFORE USE

#### RESTRICTIONS FOR ALL USES:

Not for use in commercial greenhouses, nurseries, on sod farms, or on grass grown for seed. **DO NOT** apply when treatment area is water logged or saturated. The treatment area must be in such a condition that rainfall or irrigation will penetrate vertically into the soil profile. **DO NOT** apply this product, by any application method, to linden, basswood or other *Tilia* species in the State of Oregon.

## APPLICATION RATES FOR USE ON LAWNS

SITE	PEST	RATE	
Turf grasses (lawns)	Annual bluegrass weevil	1.2 to 1.8 lb. per 1,000 sq. ft.	
	Asiatic garden beetles ( <i>Maladera</i> spp.)		
	Billbugs		
	Black turfgrass atanius		
	European chafer		
	European Crane Fly		
	Green June beetle		
	Japanese beetles		
	May or June beetles		
	Northern masked chafer		
	Oriental beetle ( <i>Phyllophaga</i> spp.)		
	Southern masked chafer		
	For control of grubs, European crane fly and annual bluegrass weevil, make application prior to egg hatch of target pest.		
	Mole Crickets		
Cinchbugs (suppression)	1.8 lb. per 1,000 sq. ft.		
Cutworms (suppression)			
For control of mole crickets make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling.			
For suppression of chinchbugs, make application prior to the hatching of the first instar nymphs.			

**NOTE:** Irrigation or rainfall is required within 24 hours after application to move the active ingredient through the thatch.

#### RESTRICTIONS

**DO NOT** apply more than a total of 9 lbs. (0.045 lb. of active ingredient) per 5,000 sq. ft. per year. **DO NOT** mow turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.

**DO NOT** allow runoff or puddling of irrigation water following application.

**DO NOT** apply this product to water-logged or saturated areas. Application of this product to water-logged or saturated areas will not allow penetration into the root zone of the plant.

**DO NOT** graze treated areas or use clippings from treated areas for feed or forage.

**DO NOT** allow people or pets to enter treated area until granules have been incorporated with water and the treatment area has dried.

## APPLICATION RATES FOR USE ON ORNAMENTALS

SITE	PEST	RATE
Landscape plantings (Including trees, shrubs, evergreens, flowers, foliage, & bedding plants, and ground covers)	White grub larvae (including Japanese beetle larvae, Chafers, <i>Phyllophaga</i> spp., Asiatic garden beetle, Oriental beetle)	1.4 to 1.8 lb. per 1,000 sq. ft.

Spread granules evenly over the soil over landscape plantings. Rake granules into soil around plants. Water thoroughly after applying. **For best results**, apply early before Grubs, Billbugs, Annual Bluegrass Weevils, European Crane Flies, and Mole Crickets hatch. Contact Extension Agent for ideal dates to apply in your area.

#### RESTRICTIONS:

**DO NOT** apply more than a total of 9 lbs. (0.045 lb. of active ingredient) per 5,000 sq. ft. per year. **DO NOT** allow runoff or puddling of irrigation water following application.

**DO NOT** apply this product to water-logged or saturated areas. Application of this product to water-logged or saturated areas will not allow penetration into the root zone of the plant.

**DO NOT** allow people or pets to enter treated area until granules have been incorporated with water and the treatment area has dried.

**Note:** The spreader settings listed below are approximate. To assure proper coverage, place correct amount of product in spreader for the specified area. Set spreader at a low setting and apply evenly until the product is used.

## SPREADER SETTINGS

	1.2 lb/1,000 sq.ft.	1.8 lb/1,000 sq. ft.
<b>Drop Spreaders:</b>		
Scotts AccuGreen	3.5	4.5
Republic EZ #530	4	5
Sears Drop	3.5	4.5
<b>Rotary Spreaders:</b>		
Scotts (Basic, Deluxe, Standard, LawnPro, Edgeguard, Speedygreen)	3.5	4.5
Republic EZ #540	1.5	2
Earthway	6	7
Sears Rotary	1.5	2

## STORAGE & DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide is a violation of Federal law.

#### Container Handling:

**Non-refillable bags. DO NOT** reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. **DO NOT** burn unless allowed by state and local ordinance. If burned stay out of smoke.

**SPILLS:** If the container is leaking or material is spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material.

## FIRST AID

<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

#### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for emergency medical treatment information.

#### NOTE TO PHYSICIAN

No specific antidote is available. Treat the patient symptomatically.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION** - Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.
- Shoes plus socks.
- Protective eyewear.

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.

### ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WSP) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### 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.
- 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.

### ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. **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 when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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