

171817



One Application Kills Grubs
All Season Long

Apply Anytime, Spring
through late Summer

Systemic Insecticide for Use
on Turfgrass and Landscape
Ornamentals

Green Thumb®
GRANULES
**Season-Long
Grub Control**

ACTIVE INGREDIENT:
Imidacloprid 0.5%
OTHER INGREDIENTS: 99.5%
TOTAL: 100.0%
EPA Est. No. 32802-MO-1 (B), 59144-GA-1 (A), 37351-CO-1 (C),
8378-IN-1 (D), 9404-FL-1 (E), 35497-OR-1 (H), 49991-TX-1 (Q), 4-NY-1
EPA Reg. No. 228-501-85925
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 the back of this bag for additional
Precautionary Statements
Net Wt 6LB (2.72 kg)



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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.

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.

FIRST AID
IF ON SKIN OR CLOTHING
 • Take off contaminated clothing.
 • Rinse skin immediately with plenty of water for 15 to 20 minutes.
 • Call a poison control center or doctor for treatment advice.
IF IN EYES
 • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
 • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
 • Call a poison control center or doctor for treatment advice.

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.

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. DO NOT apply this product, by any method, to linden, basswood or other Tilia species in the State of Oregon.

NON-AGRICULTURAL USE REQUIREMENTS
 The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (49 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep children and pet off treated areas until dry.

PRODUCT INFORMATION
 This product is a systemic insecticide and will be translocated upward within the plant. The active ingredient in this product has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. To assure optimum effectiveness, the product must be placed where the roots of the plant can absorb the active ingredient. Irrigate modestly, but thoroughly after application, allowing no leaching and runoff from treatment area. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experience, current season adult trapping or other methods. DO NOT apply when treatment area is water saturated. The treated area must be in such a condition that rainfall or irrigation will penetrate vertically into the soil profile. RESTRICTION: DO NOT apply more than a total of 80 lb (0.4 lb of active ingredient) per acre per year.
 Resistance: Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Consult your Cooperative Extension Service for resistance management strategies and recommended pest management practices for your area.
 Woody Perennials: Onset of protection is slower than in 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.

APPLICATION TO TURFGRASSES AND LANDSCAPE ORNAMENTALS
 Use this product for the control of listed soil inhabiting pests of turfgrass and landscaped ornamentals as directed on the use sites listed below.
 Use this product as a broadcast application to the soil around plants intended for aesthetic purposes or climatic modification, ornamental gardens or lawns and grounds on residential areas. Make application prior to anticipated pest infestation to maximize control. Rainfall, irrigation and mechanical incorporation after application will aid in maximizing control.
APPLICATION EQUIPMENT
 Apply this product uniformly over the area being treated with granular application equipment. Both drop-type and rotary-type spreaders may be used to apply this product. DO NOT use spreaders that apply the material in narrow, concentrated bands. Calibrate all application equipment at the time of application to achieve the specified application rate.
 Use the "SPREADER SETTINGS FOR THIS PRODUCT" table below as a guide in establishing an accurate rate of this product. Application rates will vary depending upon speed, equipment wear, and condition of spreader.

TURFGRASSES (Lawns)	DOSAGE
For control of: Annual bluegrass weevil Asiatic garden beetle (<i>Maladera</i> spp.) Billbugs Black turfs grass aeneus European chafer European Crane Fly Green June beetle Japanese beetle May or June beetles Northern masked chaffer Oriental beetle (<i>Phytophaga</i> spp.) Southern masked chaffer	1.4 to 1.8 lb per 1000 sq ft
For suppression of: Chinchbugs Cutworms	1.8 lb per 1000 sq ft

Remarks
 For control of grubs, billbugs, European crane fly and annual bluegrass weevil, make application prior to egg hatch of the target pest.
 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 tunnelling, accompany this product with a residual insecticide.
 For suppression of chinchbugs, make application prior to the hatching of the first instar nymphs. Consult your local State Agricultural Experiment Station, or State Extension Turf Specialist for more specific information regarding timing of application.
 Irrigation or rainfall is required within 24 hours after application to move the active ingredient through the thatch.
 On golf courses, irrigate treated areas following application.

Restrictions
 DO NOT apply more than 80 lb (0.4 lb of active ingredient) per acre 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.

ORNAMENTALS: Landscapes Plantings (including trees, shrubs, evergreens, flowers, foliage & bedding plants, and ground covers).

PEST	DOSAGE
For control of: White grub larvae (including Japanese beetle larvae, Chafers, <i>Phyllophaga</i> spp., Asiatic garden beetle, Oriental beetle)	1.4 to 1.8 lb per 1000 sq ft

Remarks
 Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier materials that inhibit water permeability.
 Mechanical incorporation, irrigation or rainfall is required within 24 hours after application to move the active ingredient into soil.

Restrictions
 DO NOT apply more than 80 lb (0.4 lb of active ingredient) per acre 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.

SPREADER SETTINGS FOR THIS PRODUCT
 The following chart can be used as a guide in establishing an accurate rate of this product. Applications will vary depending upon speed, equipment wear and condition of spreader.

Drop Spreaders	Rotary Spreaders	
Republic EZ #530	4 Earthway	8
Scotts AccuGreen	Republic EZ #540	1.5
Sears Drop	Scotts SpeedyGreen	3.5
	Sears Rotary	1.5

STORAGE AND 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 containers 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 DISPOSAL: Non-refillable container. 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.
 DO NOT walk through spilled material. Dispose of as directed for pesticides above, or apply uncontaminated product according to Directions For Use. Keep unauthorized people away. For chemical spill, leak, fire, or exposure, you may contact CHEMTREC at 800-424-9300.

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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