



**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;
- Protective eyewear;
- 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**

**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.

**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.

**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.

**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 (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**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 experiences, 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 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)**

**PEST**

**For control of:**

- Annual bluegrass weevil
- Asiatic garden beetles (*Maderera* spp.)
- Billbugs
- Black turfgrass ateniinus
- European chater
- European Crane Fly
- Green June beetle
- Japanese beetle
- May or June beetles
- Northern masked chater
- Oriental beetle (*Phyllophaga* spp.)
- Southern masked chater
- Cutworms

**Remarks**

For control of grubs, billbugs, European crane fly and annual bluegrass weevil, make application prior to egg hatch of the target pest.

When adults or large nymphs are present and actively tunneling, accompany this product with a remedial insecticide.

For suppression of chinchbugs, make application prior to the hatching of the first instar nymphs. Consult your local State Agricutlural 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 uniformly 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.

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

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

**PEST**

**DOSAGE**

**For control of:** White grub larvae (including Japanese beetle larvae, 1.4 to 1.8 lb per 1000 sq ft

Chafers, *Phyllophaga* spp., Asiatic garden beetle, Oriental beetle)

**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.

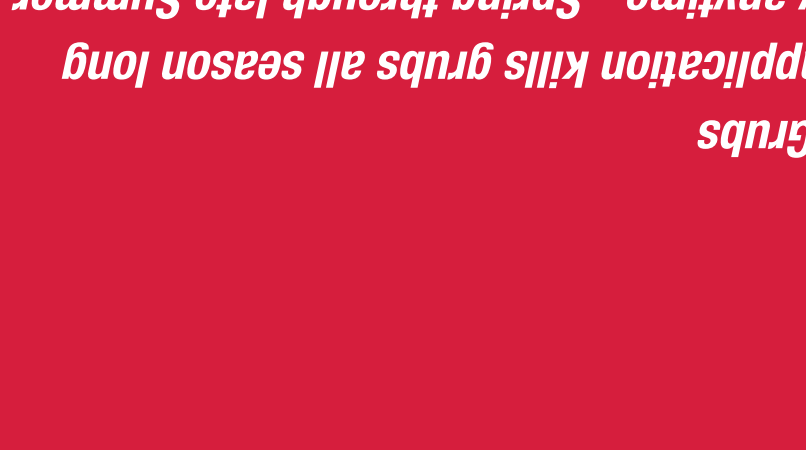
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**SPREADER SETTINGS FOR THIS PRODUCT**

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 Spreders

Rotary Spreders

Republic EZ #530

Earthway

Republic EZ #540

Scotts AccuGreen

3.5

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.

**Nonrefillable 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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If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

**RESTRICTIONS**

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

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**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.

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