Hi-Yield® Grub Free Zone 33064

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Grub Free Zone



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For use on Lawns, Ground Covers, Flower Beds, and Around the Base of Ornamental Trees & Shrubs.
Kills Grubs, European Crane Fly Larvae, Mole Crickets and other listed insects.

- Kills Grubs Now, Prevents Them All Season Long!
- Apply anytime spring through late summer
- Treats up to 5,000 sq. ft.

ACTIVE INGREDIENT:	
Imidacloprid (CAS# 138261-41-3)	0.22%
OTHER INGREDIENTS:	99.78%
TOTAL:	100.00%

Not for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings and Queens counties, New York.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional precautionary statements.

NET WEIGHT 15 LBS. (6.8 KG)

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

Have product container or label with you when calling a poison control center or doctor, or going for treatment.

If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin with plenty of water for 15-20 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.

In the event of a medical or chemical emergency, contact Chemtel ChemTel INC. North America 1-800-255-3924

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Do not apply within 25 feet of fish pools, ponds, streams or lakes. Do not use in vegetable gardens.

DIRECTIONS FOR USE

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

RESTRICTIONS:

- Do not apply more than 4.1 lb. per 1,000 sq. ft. or 182 lb. per acre per year (0.4 lb. of active ingredient per acre per year).
- Not for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings and Queens counties, New York.
- Not for use on plants being grown for sale or other commercial uses.

HI-YIELD® GRUB FREE ZONE is for use on lawns, ground covers, flowers beds, and around the base of ornamental trees and shrubs to control White Grubs (including larvae of Asiatic Garden Beetle, Black Turfgrass Ataenius, Chafers, Japanese Beetle, May or June Beetle, and Oriental Beetle), Mole Crickets, European Crane Fly Larvae and other listed pests.

LAWNS
(Not for use on sod farms)

Pests Controlled	When to Apply	Indication of Damage
Grubs	Apply once anytime from May through mid-August.	White grubs cause widespread damage to lawns by feeding on grass roots, causing it to turn yellow, then brown and die.
European Crane Fly Larvae	Apply once, when these insects are present in large numbers, late summer to mid-fall.	European crane fly larvae cause damage by feeding on grass roots and disturbing the soil surface.
Mole Crickets	Apply once anytime from mid-May through mid-June. Florida residents- Apply once anytime between early April through early May.	Mole crickets cause widespread damage by tunneling through the soil, while some species also feed on roots. Tunneling through the soil uproots the grass causing it to dry out, become thin and weedy, turn yellow and eventually die.

HOW TO APPLY

See **Spreader Settings** chart below. Adjust spreader to the appropriate setting. Make sure that the spreader works properly and spreads granules uniformly. Apply to the border and then fill in the center to ensure the entire area is covered completely. To make sure that the product is evenly distributed, walk at a steady pace making parallel passes. Water thoroughly after application.

For best results:

- Apply early before grubs, mole crickets and European crane fly larvae hatch. Contact your County Extension Agent for the best dates to apply in your area.
- Irrigate thoroughly within 24 hours of application to move the granules into the soil.
- Avoid mowing until granules are watered into the soil.
- **HI-YIELD® GRUB FREE ZONE** can be applied over soil or mulch. Remove black plastic or other weed barrier material prior to application.

RESTRICTIONS:

- Do not apply more than 4.1 lb. per 1,000 sq. ft. or 182 lb. per acre per year (0.4 lb. of active ingredient per acre per year).
- Do not apply to soils which are waterlogged or saturated. This may decrease product effectiveness.
- Keep children and pets off treated area until it has dried.

HOW MUCH TO APPLY

Spreader Settings*

Rate for Grubs and European Crane Fly Larvae: 2.87 lbs. per 1,000 square feet.

Rate for Mole Crickets: 3.8 lbs. per 1,000 square feet.

Spreader Model	2.87 lb. rate* Setting	3.8 lb. rate* Setting
ferti•lome®/Earthway Ev-N-Spred (Broadcast)	14	16
Scotts® Speedy Green (Broadcast)	2 ¾	3 3/4
Scotts® Accugreen (Drop)	3	4

*Spreader settings are approximate. The condition of your spreader, the speed that you walk, and uneven terrain may affect the rate of application.
Calibrate your spreader according to manufacturer's instructions.
TIP: 1,000 sq. ft. = 20 ft. x 50 ft.

ROSES, FLOWER BEDS, GROUND COVERS, ORNAMENTAL TREES AND SHRUBS

Insects Controlled

Adelgids
Aphids
Armored Scales (suppression)
Fungus Gnat Larvae
Japanese Beetle Adults
Lace bugs
Leaf Beetles
(including Elm Leaf, Viburnum Leaf, and Lily Leaf Beetles)
Leafhoppers
(including Glassy-winged Sharpshooter)
Leafminers
(including Birch and Boxwood Leafminers)
Mealybugs
Pine Tip Moth Larvae
Plant bugs
Psyllids
Root Weevil Larvae
(including Black Vine Weevils)
Sawfly Larvae
Soft Scales (Including Lobate Lac Scales)
Thrips
Whiteflies
White Grub Larvae (such as Japanese Beetles, Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)

ROSES, FLOWER BEDS, AND GROUND COVER

Apply **HI-YIELD® GRUB FREE ZONE** using the rates specified below. Applications may be made at planting. When using on established plants, apply before pest problems occur or immediately when first seen. Apply every 8 weeks during the growing season.

RESTRICTIONS:

- Do not apply more than 4.1 lb. per 1,000 sq. ft. or 182 lb. per acre per year (0.4 lb. of active ingredient per acre per year).
- Do not apply to soils which are waterlogged or saturated. This may decrease product effectiveness.

ROSES (2 lbs. treats up to 16 medium-size roses)

HOW TO APPLY

Apply evenly around each plant, cultivate lightly and water thoroughly after application.

HOW MUCH TO APPLY

¼ cup per plant

FLOWER BEDS AND GROUND COVERS

HOW TO APPLY

Evenly spread granules to the soil over flower beds, ground cover plantings, and shrub beds. For best results use a hand-held spreader

HOW MUCH TO APPLY

¼ cup per 50 sq. ft. (5" x 10" bed area)

ORNAMENTAL SHRUBS AND TREES

HI-YIELD® GRUB FREE ZONE provides protection against damaging insects all season long. When **HI-YIELD® GRUB FREE ZONE** is dissolved with water, the insecticide moves down through the soil and into the roots where it is absorbed. Once in the plant, it moves up through the tree or shrub providing year-long insect protection. For best results, the insecticide must distribute completely through the tree or shrub. This may take one week to three months depending on the size and health of the plant.

NOTE:

- During extended dry periods, saturate the soil around the tree or shrub the night before application.
- Before application, pull back any mulch or weed barrier around the tree or shrub to be treated.

RESTRICTIONS:

- Do not make more than one application per year.
- Do not apply to soils which are waterlogged or saturated.
- Do not apply more than 4.1 lb. per 1,000 sq. ft. or 182 lb. per acre per year (0.4 lb. of active ingredient per acre per year).

SHRUBS

HOW TO APPLY

For shrubs less than 3 feet tall, apply the required amount of product evenly in a circle 1 foot from the base of the shrub. For shrubs greater than 3 feet tall, evenly apply granules in a circle 2 feet from the base of the shrub. Rake granules into the soil around plants. Water in granules immediately after application. Allow enough water to not only dissolve the granules, but wet the soil to 3-4 inch depth.

HOW MUCH TO APPLY

Measure the height of the shrub to the nearest foot. For each foot of height apply ½ cup of **HI-YIELD® GRUB FREE ZONE** evenly around the shrub base.

ORNAMENTAL TREES

HOW TO APPLY

For trees with distance around trunk less than 30 inches, apply the required amount of product evenly in a circle 2 feet from the tree trunk. Trees with distance around trunk greater than 30 inches, apply the product evenly in a circle 3-4 feet from the tree trunk.

Water in granules immediately after application. Allow enough water to not only dissolve the granules, but wet the soil to 3-4 inch depth. Before application, pull back any mulch or weed barrier around the tree to be treated.

HOW MUCH TO APPLY

Measure the distance in inches around the tree trunk at approximately 4.5 feet from ground level. For each inch of distance around the trunk, apply 1 ¼ cup of **HI-YIELD® GRUB FREE ZONE** around the tree trunk.

Example: For a tree measuring 5 inches around, apply 6 ¼ cups (5 X 1 ¼ cups).

Trees with 2 or more Trunks: Measure the distance in inches around the tree trunk at approximately 4.5 feet from ground level, add together, and multiply by 0.75. This measurement times 1 ¼ cup is the amount of product to apply around the tree trunk.

Example: A tree has 3 trunks. They measure 5, 3, and 3 inches or a total of 11 inches.

11 X 0.75 = 8.25 X 1 ¼ cups = 10 ⅓ cups

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet. Protect from freezing.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for Guidance.

Container Disposal: Non-refillable container. Do not reuse or refill this container.

If empty: Offer for recycling, if available. Do not rinse unless required for recycling. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

If partly filled: Call your local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Voluntary Purchasing Groups, Inc.'s control it is impossible for Voluntary Purchasing Groups, Inc. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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Visit Us At: www.hi-yield.com
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