

538-303

03/28/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs

Registration Division (7505P)

1200 Pennsylvania Avenue, NW

Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

EPA Reg.

Number:

538-303

Date of Issuance:

MAR 28 2008

Term of Issuance: Conditional

Name of Pesticide Product:

Scotts GrubEx®2  
Season-Long Grub Killer

Name and Address of Registrant (include ZIP Code):

Ms. Sheila Kendrick  
The Scotts Company  
14111 Scottslawn Road  
Marysville, Ohio 43041

**Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.**

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

- 1. Revise the EPA Registration Number to read, EPA Reg. No. "538-303".

Signature of Approving Official:

Dani Daniel  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Date:

MAR 28 2008

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2. Add a qualifying statement to the first two claims listed under the "Optional Front Panel Claims. An example of a suitable qualifying statement would be "...Guaranteed! Or your money back.

3. Based upon the findings of the acute toxicity data the cited product is substantially similar to the proposed product; therefore, the proposed product must use the same precautionary labeling as the cited product.

4. Within eighteen months of the date of this registration, submit to the Agency the required one year storage stability study (830.6317) for the proposed product under warehouse conditions. The corrosion characteristics study (830.6320) may be carried out concurrently. It is recommended that observations be made at 0, 3, 6, 9, and 12 months.

5. Submit two copies of your final printed label before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitute acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact me (703) 305-5409.

Enclosure:

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[FRONT]

FROM THE  
EXPERTS AT  
(ORTHO®)

(Scotts®)  
**GrubEx® 2**  
**SEASON-LONG GRUB KILLER**  
EPA Reg. No. 538-XXX

Optional Front Panel Claims

- One Application Kills & Prevents All Season.. Guaranteed!
- One Application Kills & Prevents Season Long.. Guaranteed!
- Protects Your Lawn From Damage Caused By Grubs
- Protects Your Lawn From Harmful Grubs
- Protects Your Lawn From Root Feeding Insects Such As Grubs
- For Best Results, Apply Spring-Late Summer
- For Best Results, Apply April-mid-August
- Also kills mole crickets and the larvae of Japanese beetles
- Use on Lawns, Groundcovers and Flowers
- Kills and prevents all season

**Comment [TSC1]:** Best window June through July

ACTIVE INGREDIENT:

Imidacloprid†..... 0.2%

OTHER INGREDIENTS:..... 99.8%

Total 100.0%

†CAS# 138261-41-3

KEEP OUT OF REACH OF CHILDREN  
CAUTION  
SEE BACK FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NOT FOR SALE, USE, OR DISTRIBUTION IN OR INTO NASSAU, SUFFOLK, QUEENS, OR KINGS COUNTIES NEW YORK

[Optional alternative statement] Not for sale, sale into , distribution and or use in Nassau and Suffolk counties of New York.

Product may contain peanut by-products

**NET WT. 14.35 lb (6.50 kg)**

**TREATS UP TO  
5,000 SQ.FT.  
Apply Spring – Late Summer**

11/15/2007

ACCEPTED  
WITH COMMENTS  
In EPA Letter Dated  
MAR 28 2008  
EPA Reg. No. 538-XXX  
538-303

Optional Back Panel Information

**Scotts and Your Environment**

**We care.** Scotts® products are designed with care to grow, maintain, and protect healthy lawns.

**Because green is good.** A healthy lawn cleans the air, produces oxygen and prevents runoff and soil erosion.

**You can make a difference.** Help keep our water resources clean. Apply this product to your lawn, groundcover, and flowers and sweep any product that lands in the driveway, sidewalk or street back on to your lawn.

**Tips for Lawncare Success:**

**Feed regularly for your best lawn.** A healthy, well fertilized lawn with strong roots can withstand minor grub infestations. Grubs can ruin the enjoyment of your lawn at any time. In fact, it can take several seasons for your lawn to recover from a grub infestation. Preventing grub infestations could reduce damage caused by moles, skunks, and raccoons that dig in your yard

**Check your lawn for grub infestations.** If turf detaches from soil without effort or peels away like carpeting being rolled up, check for grubs.

**Do not treat your lawn for grubs in the fall.** Grubs have done all of their damage for the season and are ready to stop eating. Remove dead grass, cultivate, and reseed the area. Apply GrubEx 2 the following Spring,

**Plan your feeding schedule.**

GrubEx 2 can be applied in combination with Scotts fertilizers at any time. For best results, consider the following combinations:

**Scotts Turf Builder Lawn Fertilizer and GrubEx 2**

Apply spring to late summer if weeds are not a problem.  
Water-in Turf Builder Lawn Fertilizer and GrubEx 2 to activate the product.

**Scotts Turf Builder with Plus 2 Weed Control**

Apply in late spring to kill weeds.  
Apply to dew-covered lawn or water lawn before applying Turf Builder with Plus 2 Weed Control. Wait 24 hours before watering-in Scotts GrubEx 2 to activate the product.

Comment [TSC2]: Dew is better

**Scotts Turf Builder with SummerGuard**

Apply in summer to kill surface insects.  
Water-in Scotts Turf Builder with SummerGuard and Scotts GrubEx 2 to activate the product.

**Scotts GrubEx 2**

Apply spring-late summer to kill subsurface insects.  
[Optional: Apply April-mid August to kill subsurface insects.]  
If no rain is expected, water in to move the active ingredient down into the soil.

Comment [TSC3]: Optional???

Comment [TSC4]: Apply before rain-water in if no rain is expected.

White grubs can cause extensive damage to turf by feeding on grass roots. Affected turf turns yellow, then brown, and is easily pulled up in pieces with your hands. Mole crickets can seriously damage lawns by their tunneling activity. Some species also feed on the grass roots as well.

## **ONE APPLICATION STOPS GRUBS ALL SEASON LONG!**

GRUBEX 2 works best when applied before grubs and mole crickets hatch. The active ingredient will remain in the root zone of the turf until the eggs of grubs or mole crickets hatch. These newly hatched insects are highly susceptible to GRUBEX 2 and are killed before they become large enough to cause turf damage.

### **[Optional Header: KEY PRODUCT FACTS]**

#### **What GRUBEX 2 does**

- Scotts GRUBEX 2 prevents turf damage by killing grubs and mole crickets when they are newly hatched, before they can cause damage.
- For residential use on lawns and landscaped areas.
- DO NOT use in vegetable gardens.

#### **Coverage**

Treats up to 5,000 sq.ft. (3,775 sq. ft. for mole crickets)

#### **End of Optional Back Panel Information**

#### **Directions for use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all directions for use before using.

[Optional alternative statement] Read Directions for Use carefully before using.

#### **Controls**

##### **Regular Rate**

White Grubs

(Larvae of Japanese beetles, oriental beetles, chafers, Asiatic garden beetles, May or June beetles, and black turfgrass ataenius)

##### **Heavy Rate**

Mole Crickets (lawn application)

#### **When to apply**

[Optional Art: Japanese Beetle Lifecycle]

[Optional Art: Grub Lifecycle based on calendar months]

**Comment [TSC5]:** Current label:  
Works best when applied before grubs  
and mole crickets rotes???

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Works best when applied before grubs and mole crickets hatch.

[Optional alternative statement] Grubs are best controlled when they are small and actively feeding near the soil surface in June and July. Control of grubs in late fall or early spring is difficult because the grubs are large and may not be feeding.

Comment [TSC6]: Optional???

For best results, apply as follows:

- White grubs – apply once, anytime from April through mid-August.
- Mole crickets (lawn application) – In Florida, apply once from early April through early May. Elsewhere, apply once from mid-May through mid-June.

Comment [TSC7]: BEST

Your local County University Extension Office can be consulted for the best application timing in your area. Be sure that you describe the product you are using when seeking such advice.

DO NOT apply GRUBEX 2 when turf areas are waterlogged. The product may not work effectively under these conditions.

**How much to apply**

For control of grubs, GRUBEX 2 should be applied at the rate of 2.87 pounds per 1,000 square feet. For mole cricket control (lawn application), apply 3.8 pounds per 1,000 square feet. Use the table below as a guide for applying the proper rate of GRUBEX 2. However, the application rate can vary depending on the speed of application and the condition of the spreader. For best results, use a normal, steady pace when applying in order to obtain accurate, even application.

**Application**

Lawn products work in harmony with the environment when used correctly. Read and follow package recommendations and instructions for use. Apply to any grass type, including newly seeded and sodded areas. Can be applied to a wet or dry lawn.

[Spreader setting instructions]

**Easy to Follow Instructions**

Apply with a drop or rotary spreader. For best results, use a Scotts® Spreader.

**STEP 1 – Set and Fill Spreader**

Set spreader according to the chart below.  
Fill spreader over bare ground or hard surface and clean up any spilled product.

**STEP 2 – Apply product.**

Water thoroughly to move the active ingredient down into the soil.

**STEP 3 – Clean-Up**

Return unused product to original container.  
To keep lawn products from reaching storm sewers, sweep or blow any stray particles from hard surfaces back onto lawn area. Do not clean spreader over hard surfaces or near storm drains.

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**STEP 4 – Enjoy your lawn**

Lawn is safe to re-enter after the product has been watered in and the turf has dried.

[Optional alternative spreader setting instructions]

**How to apply to lawns**

Using either a drop- or rotary-type spreader, apply GRUBEX 2 uniformly over the area being treated. Avoid the use of spreaders that may apply the product in narrow, concentrated, or uneven bands. Calibrate your spreader according to the manufacturer's directions to ensure the proper amount of GRUBEX 2 is applied. Check frequently to be sure the spreader is working properly and spreading granules evenly.

Note to PM: Spreader Settings section will have settings on the final printed label.

**Spreading Tips**

**Spreader Settings**

Apply header strips. Then apply product in longest direction of lawn. For best results, use a Scotts® spreader. Shut off spreader or stop each time you reach a header strip.	<b>REGULAR RATE</b> Covers 5,000 sq. ft.	<b>HEAVY RATE</b> Covers 3,775 sq. ft.
<b>Spreader Settings</b> <b>Scotts Broadcast/Rotary Spreaders</b> Apply header strips. Then apply product in longest direction of lawn. For best results, use a Scotts® spreader. Shut off spreader or stop each time you reach a header strip. Each pass should be within 5 feet of each other to ensure an overlap. <b>Scotts Basic™, Standard™, Deluxe™ EdgeGuard®, Lawn Pro™, or SpeedyGreen®</b>	XX	XX
<b>Scotts EasyGreen®</b>	XX	XX
<b>Scott Drop Spreaders</b> Make sure spreader wheel completely overlaps previous wheel marks. <b>Scotts® AccuGreen®</b>	XX	XX
<b>Scotts Hand-Held Spreaders</b> Handy Green® II Easy® Hand-Held	XX	XX
<b>For additional spreader settings, please call 1-800-543-TURF (8873)</b>		

**After applying to lawns**

GRUBEX 2 will work best if rain occurs or the lawn is watered thoroughly after application to move the active ingredient through the thatch and down into the soil. Avoid mowing until watering or rainfall has occurred, so that the uniformity of the granules is not disturbed. GRUBEX 2 can be applied in combination with Scotts fertilizers at any time. The lawn is safe to re-enter after the product has been watered-in and the turf has dried.

**Pests controlled in landscape areas**

White grubs (including larvae of Japanese beetle, oriental beetle, chafers, Asiatic garden beetle, May and June beetle, and black turfgrass ataeenius).

**Application to landscape plantings**

(Trees, shrubs, evergreens, flowers, ground covers)

Apply as a broadcast treatment to soil, mulch or other substrate. Prior to application remove black plastic from area to be treated to allow water to penetrate into the soil. Permeable weed barriers need not be removed prior to application.

NOTE: DO NOT apply GRUBEX 2 to vegetable gardens.  
DO NOT apply GRUBEX 2 to waterlogged areas. The product may not work effectively under these conditions.

**After applying to landscape plantings**

GRUBEX 2 will work best if material is worked into the soil around plants or if a thorough watering or rainfall occurs within 24 hours after application to move product down through mulch and into the soil.

**[Optional Header] First Aid and Environmental Information****FIRST AID**

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

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

TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.



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**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

**ENVIRONMENTAL HAZARDS**

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

[Optional Environmental Hazards statement per PPDC and upcoming PR Notice on Environmental Statements]

This product is highly toxic to aquatic invertebrates. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.

**STORAGE AND DISPOSAL**

**Storage:** Store in a clean, dry place. Reseal opened bag by folding top down and securing.

**Disposal: If Empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If Partly Filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

[Note to PM: Optional Alternative Storage and Disposal Information]

**STORAGE AND DISPOSAL**

**Pesticide Storage:** Store in a clean, dry place. Reseal opened bag by folding top down and securing.

**Pesticide Disposal: If Empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If Partly Filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

EPA Est. Nos. 538-OH-1<sup>S</sup>  
9198-OH-1<sup>M</sup>  
9198-OH-2<sup>B</sup>  
8378-IN-1<sup>K</sup>

Superscript used is first letter of run code on end of container.

Product of U.S.A.

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**Questions / Information**

**Get expert advice for your lawn NOW!**

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Want more information on what to use and when?  
Sign up today to get free expert advice specifically for your lawn.

Consumer Helpline  
1-800-543-TURF (8873)

Visit our website  
[www.scotts.com](http://www.scotts.com)

*[NYSE symbol]*  
The Scotts Company  
14111 Scottslawn Rd.  
Marysville, OH 43041

**Notice:** Buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

**Scotts No-Quibble Guarantee®**

If for any reason you, the consumer, are not satisfied after using this product, you are entitled to get your money back. Simply send us evidence of purchase and we will mail you a refund check promptly.

**Dedicated To A Beautiful World®**

Trusted by generations of homeowners, Scotts is dedicated to helping you enhance and protect the natural beauty of your home environment.

**(Scotts®)**