

538-309

02/25/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

538-309

FEB 25 2009

Term of Issuance: Unconditional

Name of Pesticide Product:

Turf Fertilizer Plus Preemergent Weed Control 0.68%

NOTICE OF PESTICIDE:

- x Registration
Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

The Scotts Company
14111 Scottslawn Rd.
Marysville, OH 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 unconditionally registered in accordance with FIFRA provided that you:

- 1. Submit and/or cite all data required for registration/re-registration review of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following label changes:
a. Change the EPA Reg. No. to "538-309".
b. When final printed labels are prepared, assure that the signal word "CAUTION", "Keep Out of Reach of Children", and the referral statement "See back for additional precautionary statements." appear on the front panel.
c. It is recommended that the First Aid section include a company telephone number or toll-free hotline number for emergency information. Alternatively, you may include the NPIC contact information "For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu)."
d. On page 3, add the text "(PPE)" after the "Personal Protective Equipment" heading.

Signature of Approving Official:

[Handwritten signature]

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Date:

FEB 25 2009

- e. Revise the User Safety Requirement sentence to read "If no such instructions for washables exist, use detergent and hot water."
- f. Revise the User Safety Recommendations sentence to read "Remove clothing/PPE immediately if pesticide gets inside." Relocate the entire text box so that it is directly below the Engineering Controls section.
- g. On pages 1 & 8, revise the statements to read "This product applied at the 220 lb product/acre rate is equivalent to 1.5 lb active ingredient/acre."
- h. On page 4, revise the phrase "a light rate application only is recommended" to "apply at the lower rate" in the sentences "Where bentgrass, bentgrass-containing turf and *Poa annua*..."
- i. On page 4, revise the sentence to read "Apply product uniformly to dry foliage at the listed rate with a properly calibrated spreader."
- j. Revise the heading "Application Precautions" to "Application Precautions and Restrictions".
- k. On page 6 under Bentgrass and established *Poa annua*, remove the redundant Weed Control text "Apply a repeat application after 6-8 weeks at 220 lbs./acre."
- l. On page 7 under goosegrass comments, revise the text so it reads "Apply a repeat application of 220-294 lbs./acre after 6-8 weeks to extend control of goosegrass or if the lower rate was used initially."
- m. On page 8, revise the heading "Recommended Rate Range" to "Application Rate Range", and change the rate from "264" to "294" lb product/acre.
- n. Revise the Storage and Disposal statement to read "Do not contaminate water, food, or feed by storage and disposal."
- o. Revise the Container Disposal statement to read "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, or, if allowed by State and local authorities, by burning. If burning, stay out of smoke."
- p. Remove the optional claim "Recommended for use by Professional Turf Managers".

The Basic and Alternate formulations dated September 9, 2008 are acceptable.

Submit one (1) copy of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

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EPA Reg. No. 538-

ACCEPTED
with COMMENTS
in EPA Letter Dated
FEB 25 2009

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

538-309

Turf Fertilizer Plus Preemergent Weed Control 0.68%

ACTIVE INGREDIENT:

Pendimethalin†	0.68%
OTHER INGREDIENTS	<u>99.32%</u>
Total	100.000%

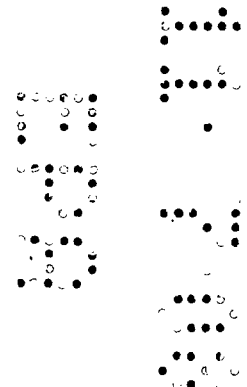
This product applies 50.0 lbs. treat 10,729 ft² (¼ acre) at the 203 lbs product/acre rate
(equivalent to 1.38 lbs active ingredient/acre)

†CAS #40487-42-1

EPA Registration Number 538-

EPA Establishment Number

NET WEIGHT 50 LBS



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**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back for additional precautionary statements.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION, Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. In case of spills, either collect for use or dispose of properly.

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.

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Personal Protective Equipment

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves, shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining personal protection equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash personal protection equipment 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 (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

DIRECTIONS FOR USE

It is 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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers Protection Standard 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, waterproof gloves, shoes plus socks.

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NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until dust has settled.

For use on established turfgrasses including bentgrass, bermudagrass, and *Poa annua* (except putting greens and tees), Kentucky bluegrass, perennial ryegrass, fine fescue, tall fescue, St. Augustinegrass, bahiagrass, zoysiagrass, centipedegrass and blends of the grasses. See "Bermudagrass, Bentgrass and *Poa annua* Precautions" and "Limitation of Liability" statements.

Not for use on bentgrass, *Poa annua* and bermudagrass putting greens and tees, or on dichondra. Where bentgrass, bentgrass-containing turf and *Poa annua* are the desired species, a light rate application only is recommended.

How/When to Use

For control of annual grassy and broadleaf weeds such as crabgrass, goosegrass, foxtail, barnyardgrass, fall panicum, *Poa annua*, oxalis, knotweed, purslane, and prostrate spurge, apply in spring before they sprout.

To prevent *Poa annua* and fall germinating chickweed, apply product to dry foliage in late summer/early fall (before germination). Repeat application yearly for continued control. A repeat application made after *Poa annua* treatment should not be sooner than 4 months.

Where lower infestations are expected, the lighter rates may be used.

Apply product uniformly to dry foliage at the suggested rate with a properly calibrated spreader. For best results, water after application (1/4-1/2 inch) to remove granules from the foliage and to move the product to the soil surface for an effective chemical barrier. Do not destroy the chemical barrier created at the soil surface by raking or aerifying as a segment to application. Allow at least a four-month space between the applications except when repeat applications are necessary after 6-8 weeks.

Do not mow treated area until product has been watered in and turf foliage has dried.

Application Precautions

Maximum of two applications per year.

Do not use on bentgrass, *Poa annua* and bermudagrass putting greens and tees, or on dichondra. Where bentgrass and bentgrass-containing turf and *Poa annua* are the desired species, a light rate application only is recommended.

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On cool season turfgrasses avoid applications when temperatures are regularly in the 80's.

This product may cause discoloration and thinning where over-applications have been made if the turfgrass is under sever stress conditions (disease, drought, low temperature – below 40°F, scalping, and excessive soil moisture).

Do not apply to dormant bentgrass and *Poa Annua* (turf that is not actively growing or has experienced frost).

When any preemergence herbicide is applied to dormant bermudagrass, green-up may be delayed 2 to 3 weeks in the spring. The delay in green-up may be extensive in low-cut bermudagrass and on sandy soils.

As with most other preemergence herbicides, application of this product to bermudagrass overseeded with cool season turfgrass species may injure and thin the overseeding.

Do not apply to bentgrass or *Poa annua* after late summer.

Avoid application to cement, stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water.

If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5-10 MPH) due to its staining potential.

Do not apply more than a cumulative total of 441 lbs. of product/acre (3.0 lbs. active ingredient/acre) per year on bentgrass and *Poa annua*.

Properties of All Dinitroaniline (DNA) Products

May cause temporary slowing of turf fill-in and stolon-rhizome rooting where turf has been thinned.

Requires a waiting period before seeding or sprigging.

Seeding or Sprigging Intervals after Treatment

Delay seeding by 4 months and sprigging by 5 months after application. Prior to planting, for best results, the soil surface should be disturbed or worked to dilute any remaining chemical residue.

Treatment Interval after Seeding or Sprigging

On newly planted areas, wait until the grass has been mowed at least 4 times and has filled in before making an application.

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Turfgrass Species	Weeds	Weed Control	Comments
<u>Cool Season</u> <u>Grasses</u> Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	Crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	220-294 lbs./acre as the initial application prior to weed germination.	Apply a repeat application of 183-220 lbs./acre after 6-8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	220-294 lbs./acre in the spring prior to weed germination. Apply a repeat application after 6-8 weeks at 220-257 lbs./acre	
Bentgrass and established <i>Poa annua</i> (1/2 inch height or taller. Not for use on greens and tees)	Crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	220 lbs./acre in the spring prior to weed germination. Apply a repeat application after 6-8 weeks at 220 lbs./acre	Apply a repeat application of 183-220 lbs./acre after 6-8 weeks where heavy infestations are expected
	Goosegrass	220 lbs./acre in the spring prior to weed germination with a repeat application of 220 lbs./acre after 6-8 weeks	

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Turfgrass Species	Weeds	Weed Control	Comments
<u>Warm Season</u> <u>Grasses</u> Bermudagrass St. Augustinegrass Bahiagrass Zoysiagrass Centipedegrass (401 lbs./acre rate or less) Tall fescue (Not for use on greens and tees)	Crabgrass Foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostate spurge purslane knotweed chickweed	220-294 lbs./acre prior to weed germination. 294 lbs./acre may be used prior to weed germination with a repeat application of 220 lbs./acre after 4 months where weeds germinate over an extended period. (Do not use this high rate on centipedegrass).	Apply a repeat application of 183-220 lbs./acre after 6-8 weeks for extended control or where heavy weed infestations are expected.
	Goosegrass Cudweed hop clover evening- primrose henbit	220-294 lbs./acre prior to weed germination with a repeat application of 220-294 lbs./acre after 6-8 weeks.	
	goosegrass	220-294 lbs./acre prior to weed germination.	Apply a repeat application of 220-294 lbs./acre to extend control of goosegrass or if the lower rate was used initially.
	Cudweed hop clover evening-primrose henbit	220-294 lbs./acre prior to weed germination	Apply a repeat application of 183-257 lbs./acre after 6-8 weeks if the lower rate was used initially.

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SPREADER SETTINGS

To provide proper distribution calibrate spreader before application. Do not adjust rates in order to meet fertilizer requirements of your soil.

50.0 lbs. treat 10,729 ft²(¼ acre) at the 203 lbs product/acre rate (equivalent to 1.38 lbs active ingredient/acre and 1.5 lbs N/1,000 sq ft).

SPREADER	GROUND OR PTO SPEED	WIDTH OF COVERAGE	RECOMMENDED RATE RANGE	
			Lbs product/acre	
			220	264
Scotts SR2000	3.5 MPH	12 feet	K ½	L 1/2

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a clean, dry place. Reseal opened bag [by folding top down and securing.]

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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Turf Fertilizer Plus Preemergent Weed Control 0.68% XX-XX-XX

GUARANTEED ANALYSIS

Total nitrogen (N).....	XX%
0.6% ammoniacal nitrogen	
22.9% urea, methylene ureas nitrogen	
6.5% water insoluble nitrogen	
Available phosphate (P ₂ O ₅).....	X%
Soluble potash (K ₂ O).....	X%

Derived from: urea, methylene ureas, monoammonium phosphate and potassium sulfate

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-sc.com>

[Recommended for use by Professional Turf Managers]

BACK

Prevents sprouting of the following grassy and dicot weeds and provides [a feeding of potassium –OR– a controlled-release nitrogen feeding]:

Grassy Weeds

crabgrass
foxtail
goosegrass
Poa annua
barnyardgrass
fall panicum

Dicot Weeds

chickweed
oxalis
knotweed
prostrate spurge
purslane
cudweed
hop clover
henbit
eveningprimrose

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LIMITATION OF LIABILITY

It must be understood that this product has not been evaluated on all bentgrass varieties and *Poa annua* under all possible growing conditions. The user should exercise judgment and caution when using this product on a given variety until familiar with the performance under his growing conditions. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT ON BENTGRASS AND POA ANNUA IF NOT USED IN ACCORDANCE WITH DIRECTIONS AND ESTABLISHED SAFE PRACTICES. To the extent consistent with applicable law, the exclusive remedy of the user or Buyer, and the limit of liability of The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing signed by a duly authorized representative of The Scotts Company.

The Scotts Company
14111 Scottslawn Rd.
Marysville, OH 43041

Questions / Information

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

Visit our website
www.scotts.com

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Product of USA
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EPA Est. No. 538-
[Superscript used is first letter of run code on end of container]