



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 26, 2021

Laura Briggs  
Sr. Analyst - Regulatory Affairs  
The Scotts Miracle-Gro Company  
14111 Scottslawn Road  
Marysville, OH 43041

Subject: Registration Review Label Mitigation for Pendimethalin  
Product Name: TURF FERTILIZER PLUS PREEMERGENT WEED  
CONTROL 0.75%  
EPA Registration Number: 538-308  
Application Date: 06/25/2018  
Decision Number: 577782

Dear Ms. Briggs:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Pendimethalin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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If you have any questions about this letter, please contact Srijana Shrestha by phone at 703-305-6471, or via email at [shrestha.srijana@epa.gov](mailto:shrestha.srijana@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure: Stamped Label

NOTE:

***Bold, italicized text is information for the reader and is not part of the label.***

[Bracketed information is optional text]. Text separated by/ denotes and/or options

EPA Reg. No. 538-308

# Turf Fertilizer Plus Preemergent Weed Control 0.75%

**PENDIMETHALIN | GROUP 3 | HERBICIDE**

ACTIVE INGREDIENT:

Pendimethalin† .....	0.75%
OTHER INGREDIENTS .....	99.25%
Total	100.00%

This product applies 50.0 lbs. and treats 10, 890 ft<sup>2</sup> (1/4 acre) at the 200 lb product/acre rate (equivalent to 1.5 lbs active ingredient/acre and X lbs N/1,000 sq ft).

†CAS #40487-42-1

EPA Registration Number 538-308

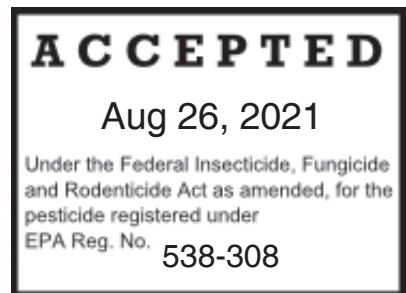
EPA Establishment Number 538-OH-1

NET WEIGHT 50 LBS

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back for additional precautionary statements.



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## **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.

For medical emergencies call 1-877-465-5161.

### **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.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

### **Personal Protective Equipment (PPE)**

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves made of Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Polyvinyl Chloride (PVC) ≥ 14 mils or Viton ≥ 14 mils, shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining personal protection equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash personal protection equipment separately from other laundry.

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## 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.

### User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

## 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 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, chemical resistant gloves made of Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, Polyvinyl Chloride (PVC)  $\geq$  14 mils or Viton  $\geq$  14 mils, 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, and bermudagrass, (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, and Bentgrass and Precautions" and "Limitation of Liability" statements.

Not for use on bentgrass, and bermudagrass putting greens and tees, or on dichondra. Where bentgrass and bermudagrass containing turf are the desired species, apply at the lower rate.

### **WEED RESISTANCE MANAGEMENT**

For resistance management, Turf Fertilizer Plus Preemergent Weed Control 0.75% is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to Turf Fertilizer Plus Preemergent Weed Control 0.75% and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
  - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - A spreading patch of non-controlled plants of a particular weed species; and
  - Surviving plants mixed with controlled individuals of the same species.
- If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- For further information or to report suspected resistance, contact The Scotts Company at 1-800-543-8873.

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## 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 listed 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 and Restrictions

Maximum of two applications per year.

Do not use on bentgrass, and bermudagrass putting greens and tees, or on dichondra. Where bentgrass and bermudagrass containing turf are the desired species, apply at the lower rate.

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 severe stress conditions (disease, drought, low temperature - below 40°F, scalping, and excessive soil moisture).

Do not apply to dormant bentgrass (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 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

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Do not apply more than a cumulative total of 400 lbs. of product/acre (3.0 lbs. active ingredients/acre) per year on bentgrass.

### **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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<b>Turfgrass Species</b>	<b>Weeds</b>	<b>Weed Control</b>	<b>Comments</b>
Cool Season Grasses Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	Crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	200-266 lbs./acre as the initial application prior to weed germination.	Apply a repeat application of 166-200 lbs./acre after 6-8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	200-266 lbs./acre in the spring prior to weed germination. Apply a repeat application after 6-8 weeks at 200-233 lbs./acre	
Bentgrass (Not for use on greens and tees)	Crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	200 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 166-200 lbs./acre after 6-8 weeks where heavy infestations are expected.
	Goosegrass	200 lbs./acre in the spring prior to weed germination with a repeat application of 200 lbs./acre after 6-8 weeks	
Warm Season Grasses Bermudagrass St. Augustinegrass Bahagrass 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	200-266 lbs./acre prior to weed germination.  266 lbs./acre may be used prior to weed germination with a repeat application of 200 lbs./acre after 4 months where weeds germinate over an extended period. (Do	Apply a repeat application of 166-200 lbs./acre after 6-8 weeks for extended control or where heavy weed infestations are expected.

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		not use this high rate on centipedegrass).	
	Goosegrass Cudweed hop clover henbit	200-266 lbs./acre prior to weed germination with a repeat application of 200-266 lbs./ acre after 6-8 weeks.	
	goosegrass	200-266 lbs./acre prior to weed germination.	Apply a repeat application of 200-266 lbs./acre after 6-8 weeks to extend control of goosegrass or if the lower rate was used initially.
	Cudweed hop clover henbit	200-266 lbs./acre prior to weed germination	Apply a repeat application of 166-233 lbs./acre after 6-8 weeks if the lower rate was used initially.

**SPREADER SETTINGS**

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

This product applies 50.0 lbs. and treats 10,890 ft<sup>2</sup> (1/4 acre) at the 200 lb product/acre rate (equivalent to 1.5 lbs active ingredient/acre and) X lbs N/1,000 sq. ft).

**APPLICATION RATE RANGE**

SPREADER	GROUND OR PTO SPEED	WIDTH OF COVERAGE	Lbs product/acre	
			200	266
Scotts SR2000	3.5 MPH	12 feet	K	L ½

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and 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 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 burned, stay out of smoke.

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Turf Fertilizer Plus Preemergent Weed Control 0.75%

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 <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble potash (K <sub>2</sub> 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>

**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

**LIMITATION OF LIABILITY**

It must be understood that this product has not been evaluated on all bentgrass varieties under all possible growth conditions. The user should exercise judgement 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 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.

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The Scotts Company  
14111 Scottslawn Rd.  
Marysville, OH 43041

Questions/Information

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

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

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EPA Est. No. 538-OH-1  
[Superscript used is first letter of run code on end of container]