



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: PROTURF FERTILIZER PLUS SOUTHERN TURF  
WEEDGRASS CONTROL  
EPA Registration Number: 538-206  
Application Date: 06/21/2018  
Decision Number: 575539

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:

EPA Reg. No. 538-206

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<b>PENDIMETHALIN</b>	<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
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## ProTurf Fertilizer Plus Southern Turf Weedgrass Control

**ACTIVE INGREDIENT:**

Pendimethalin† .....	1.07%
<b>OTHER INGREDIENTS:</b> .....	<b>98.93%</b>
	Total 100.00%

†CAS #40487-42-1

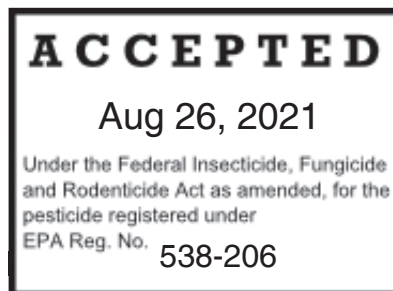
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EPA Est 538-OH-1

Fertilizer Plus Southern Turf Weedgrass Control

XX-X-XX

Poly-S\*®  
Technology



- provides preemergent control of crabgrass, goosegrass, foxtail, *Poa annua*, chickweed, oxalis, spurge, and other annual grassy and broadleaf weeds.
- provides a feeding of nitrogen and potassium
- provides initial greening plus controlled –release Poly-S® nitrogen.

\* *Scotts® slow-release Polymer-encapsulated fertilizer*

Net Weight XX.X lbs. (X.XX kg)

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals: CAUTION. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long-sleeved shirt and long pants, socks and shoes, and chemical resistant gloves made from; barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neo-prene rubber ≥ 14 mils, natural rubber ≥ 14 mils, poly-ethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

**FIRST AID**

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 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 swallowed: Call a poison control center 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 further treatment advice.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also call 1-800-XXX-XXXX for emergency medical treatment advice.

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Personal Protective Equipment

Applicators and other handlers must wear: Long sleeved shirt and long pants, chemical resistant gloves made from; barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neo-prene rubber ≥ 14 mils, natural rubber ≥ 14 mils, poly-ethylene, 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, use detergent and hot water. Keep and wash personal protection equipment separately from other laundry.

<p>User Safety Recommendations:</p> <p>User should:</p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>
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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.

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 when disposing of equipment washwaters. 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.

**Guaranteed Analysis**

Total nitrogen (N) .....	XX%
0.6% ammoniacal nitrogen	
23.0% urea, methylene ureas nitrogen	
6.4% water insoluble nitrogen	
Available phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble potash (K <sub>2</sub> O) .....	XX%
Derived from: monoammonium phosphate, urea, methylene ureas 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>

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Product of USA

U.S. Patent No’s 5,219,465; 5,300,135

The Scotts Company

14111 Scottslawn Road

Marysville, Ohio 43041

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Recommended for Use by Professional Turfgrass Managers

XX-X-XX Fertilizer Plus  
Southern  
Turf Weedgrass Control

**GUSSETS:**

XXXXX Scotts® XX-X-XX  
ProTurf® Fertilizer  
BRAND Plus Southern  
Turf Weedgrass Control

**BACK**

XX-X-XX  
Fertilizer  
Plus Southern  
Turf Weedgrass Control

Scotts® XX-X-XX  
ProTurf® Fertilizer Plus  
BRAND Southern  
Turf Weedgrass Control

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

Grassy Weeds		Dicot Weeds	
barnyardgrass	foxtail	chickweed	knotweed
crabgrass	goosegrass	cudweed	oxalis
fall panicum	<i>Poa annua</i>	eveningprimrose	prostrate spurge
		henbit	purslane
		hop clover	

**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 area during application. Keep people and pets out of the area during application.

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### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Workers Protection Standard, 40CFR 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 requirement 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 > 14 mils, nitrile rubber > 14 mils, neo-prene rubber > 14 mils, natural rubber > 14 mils, poly-ethylene, polyvinyl chloride (PVC) >14 mils, or viton > 14 mils, shoes plus socks.

### **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 areas during application. Do not enter treatment areas until spray has dried or dusts have settled.

For use on established turfgrasses including Kentucky bluegrass, perennial ryegrass, tall fescue, fine fescue, bentgrass and *Poa annua* (except putting greens and tees), bermudagrass, St. Augustinegrass, centipedegrass, bahiagrass, and zoysiagrass. See “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 (1.5 lbs. ai/A) only is recommended.

### **WEED RESISTANCE MANAGEMENT**

For resistance management, ProTurf Fertilizer Plus Southern Turf Weedgrass Control is a group 3 herbicide. Any weed population may contain or develop plants naturally resistant to ProTurf Fertilizer Plus Southern Turf Weedgrass Control 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

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- 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.

### **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 the spring before they sprout.

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

Apply product uniformly to dry foliage at the specified rate with a properly calibrated spreader. For best results, water after applications ( $\frac{1}{4}$  –  $\frac{1}{2}$  inch) to remove the 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 4 month span 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.

This product is not intended for use on dichondra or cool season turfgrasses where it is grown and maintained as the permanent stand (*optional statement for products formulated for warm season grasses*).

When 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.

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

As with most other preemergent herbicides, application of this product to bermudagrass overseeded with cool season turfgrasses may injure and thin overseeding.

On cool season turfgrasses avoid applications when temperatures are regularly in the 80's. This product may cause discoloration and thinning where overapplications 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 bentgrass and *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.

### **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.

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**Seeding or Sprigging Intervals after Treatment**

Delay seeding 4 months and sprigging by 5 months after application. Prior to planting, for best results, the soil surface should be distributed 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. On newly sprigged bermudagrass or other vegetative planted turfgrasses wait until the new grass has filled in and the stolons have rooted down before application.

**Notes**

Do not apply more than a cumulative total of 280 lbs. product/acre (3.0 lbs. active ingredient/acre) per year on bentgrass and *Poa annua* and 467 lbs. product/acre (5.0 lbs. active ingredient/acre) per year on cool season and warm season grasses.

The maximum application rate for residential, recreational areas (turf) and sod farms is 187 lbs product/acre (equiv. to 2.0 lbs ai/acre.)

Turfgrass Species	Weeds	Rates of Fertilizer Plus Southern Turf Weedgrass Control	Comments
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	163-187 lbs./acre prior to weed germination	Apply a repeat application of 140 lbs./acre after 6-8 weeks where heavy weed infestations are expected
	goosegrass	163 lbs./acre in the spring prior to weed germination. Apply a repeat application after 6-8 weeks at 140-163 lbs./acre	
Bentgrass and established <i>Poa annua</i> (½ inch height or taller). Not for use on greens and tees.	goosegrass crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed	140 lbs./acre in the spring prior to weed germination. Apply a repeat application of 140 lbs./acre after 6-8 weeks.	
Warm Season Grasses Bermudagrass St. Augustinegrass Bahia grass Zoysiagrass Centipedegrass (351 lbs./acre rate or less) Tall fescue	crabgrass foxtail <i>Poa annua</i> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed chickweed	163-187 lbs./acre prior to weed germination  <i>or</i> 187 lbs./acre may be used prior to weed germination with a repeat application of 140-163 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 140-163 lbs./acre after 6-8 weeks for extended control or where heavy weed infestations are expected



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	goosegrass	163-187 lbs./acre prior to weed germination	Apply a repeat application of 140-163 lbs./acre in 6-8 weeks to control goosegrass if the lower rate was used initially
	cudweed hop clover eveningprimrose henbit	187 lbs./acre prior to weed germination	

140 lbs. product/acre or 3.25 lbs./1,000 sq. ft. provides  
1.5 lbs. active ingredient/acre and 0.25 lbs. of nitrogen/1,000 sq. ft.

163 lbs. product/acre or 3.79 lbs./1,000 sq. ft. provides  
1.75 lbs. active ingredient/acre and 0.3 lbs. of nitrogen/1,000 sq. ft.

187 lbs. product/acre or 4.33 lbs./1,000 sq. ft. provides  
2.0 lbs. active ingredient/acre and 0.34 lbs. of nitrogen/1,000 sq. ft.

**STORAGE AND DISPOSAL**

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

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

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. 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.

**Suggested Spreader Settings**

To provide proper distribution, calibrate spreader before application.  
21.65 lbs. (9.82 kg) treats 5,000 sq. ft. at the 187 lbs. product/acre rate  
21.65 lbs. (9.82 kg) treats 6,661 sq. ft. at the 140 lbs. product/acre rate

Spreader	Ground or PTO Speed	Width of Coverage	140 lbs. of Product/A (1.5 # ai/A)	163 lbs. of Product/A (1.75 # ai/A)	187 lbs. of Product/A (2.0 # ai/A)
Scotts Drop Type	X mph	overlap wheels	X	X	X
Gandy 30"	X mph	overlap wheels	X	X	X
Scotts Rotary* R-7, R-7X	X mph	X ft.	X	X	X
Scotts Rotary* R-8 (cone 7)	X mph	X ft.	X	X	X
Lely Models**	X mph	X ft.	X	X	X
Vicon	X mph	X ft.	X	X	X

\* ¼ slide

\*\* Lely models WTR, WFR, HR and 1250. PTO at 450 rpm.

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### **LIMITATION OF LIABILITY**

It must be understood that this product has not been evaluated on all possible growing 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 WHEN 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.