



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 9, 2019

Rebecca M. Horton  
Consultant for Howard Fertilizer & Chemical Co., Inc.  
Registrations by Design, Inc  
P.O. Box 1019  
Salem, VA 24153

Subject: Registration Review Label Mitigation for Pendimethalin  
Product Name: Turf Pride Fertilizer + 0.85% Preemergent Weed Control  
EPA Registration Number: 35512-60  
Application Dates: 5 June 2018  
Decision Number: 556997

Dear Ms. Horton:

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 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 copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions about this letter, please contact me at 703-305-6249, or via email at [arrlington.linda@epa.gov](mailto:arrlington.linda@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

PENDIMETHALIN	GROUP	K1	HERBICIDE
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## Turf Pride® Fertilizer + 0.85% Preemergent Weed Control

Additional Brand Name(s):

Turf Pride® AccuBlend™ Fertilizer + 0.85% Preemergent Weed Control ProFusion Process

For Use On Ornamental, Recreational, Institutional, Residential, and Other Private Lawns.

Not For Use On Turf Farms.

Preemergent control of Crabgrass, Chickweed, Foxtail, Goosegrass, Knotweed, Oxalis, *Poa Annua*, and Spurge.

Supplies Quick Greening and Extended Feeding.

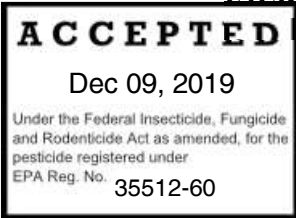
Recommended for Professional Turf Care Managers.

**ACTIVE INGREDIENT:**

Pendimethalin: N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine ..... 0.85%

**INERT INGREDIENTS:** ..... 99.15%

**TOTAL:** ..... 100.00%



**Keep Out of Reach of Children**

### CAUTION

See back/side/other panel(s) for additional Precautionary Statements and First Aid.

<b>FIRST AID</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact x-xxx-xxx-xxxx [the National Pesticide Information Center at 1-800-858-7378] for emergency medical treatment information.	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**NET WT 50 LB (22.7 kg)**

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

CAUTION: Causes eye irritation. Avoid contact with skin, eyes, or clothing. May be harmful if swallowed. Avoid inhalation. Do not contaminate feed or foodstuffs. Do not feed clippings to livestock. Do not graze treated areas.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Applicators and other handlers must wear:

Long sleeved shirt and long pants

Chemical resistant gloves made of waterproof materials such as butyl rubber  $\geq$  14 mils,  
neoprene rubber  $\geq$  14 mils or nitrile rubber  $\geq$  14 mils

Shoes plus socks

**USER SAFETY RECOMMENDATIONS**

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

Remove contaminated clothing immediately if pesticide gets inside. Then wash thoroughly.

Remove PPE as soon as possible after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent areas. Do not contaminate water when disposing of equipment washwaters or rinsate. In case of spills, sweep up and use as per label instructions or dispose of as directed.

**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.

**DIRECTIONS FOR USE**

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

Not for use on turf grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

[Packaging/Use Qualification – does not print on label: Product packaged in containers of 50 lbs. or less, and distributed for use by the residential consumer must include a measuring container graduated to measure the equivalent amount of product for weights in the directions for use.]

## **STORAGE AND DISPOSAL**

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

PESTICIDE STORAGE: Store labeled container, in a dry, clean area. Partially used bags should be sealed by folding down the top 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: Nonrefillable container. Do not reuse or refill empty bag. Completely empty bag into application equipment. Offer for recycling, if available, or, dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned stay out of smoke.

**ENTRY RESTRICTIONS:** Do not enter or allow others to enter the treated area until dusts have settled.

**APPLICATION RESTRICTIONS:** 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. Do not apply this product through any type of irrigation system. Do not apply aurally.

## **WEED RESISTANCE MANAGEMENT**

For resistance management, this product is a Group K1 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group K1 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed. To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group K1 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) 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 by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- 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.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Howard Fertilizer & Chemical Co., Inc. at (phone number) or at (Internet site).

This product is a turf fertilizer and a selective preemergence herbicide for use on established turfgrass including Kentucky Bluegrass, Perennial Ryegrass, Fine Fescue, Tall Fescue, Bentgrass and Poa Annua (except putting greens and tees), Bermudagrass (non “winter-overseeded”), St. Augustinegrass, Bahiagrass, Zoysiagrass, Centipedegrass and blends of these grasses. Refer to label section entitled “Bermudagrass, Bentgrass and Poa Annua Precautions”.

### **WEEDS CONTROLLED**

When used at the recommended rates this product will prevent sprouting of the following grassy and dicot weeds and provides a nitrogen feeding.

#### Grassy Weeds

Poa Annua  
Barnyardgrass  
Crabgrass-(Large, Smooth)  
Foxtail-(Yellow, Green)  
Goosegrass  
Fall panicum

#### Dicot Weeds

Common Chickweed  
Knotweed  
Oxalis  
Prostrate Spurge

To prevent goosegrass, crabgrass, foxtail, barnyard grass, fall panicum, Oxalis, Knotweed, 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 or early fall before seeds germinate. Repeat application yearly for continued control.

### **ESTABLISHED TURF**

When applied prior to germination of weeds this product will control weeds listed in WEEDS CONTROLLED section, in established Northern and Southern turf. See above for the names of northern and southern applicable turfgrass species.

#### **NORTHERN Cool Season GRASSES**

Apply 2.7 to 4.7 lbs. of product per 1,000 sq. ft. prior to germination of weeds.  
(equiv. to 1.0 to 1.75 lbs. of Active Ingredient (a.i.)/Acre)

#### **SOUTHERN Warm Season GRASSES**

Apply 2.7 to 5.4 lbs. of product per 1,000 sq. ft. prior to germination of weeds.  
(equiv. to 1.0 to 2.0 lbs. of Active Ingredient/acre)

Where light weed infestations are expected, the lower rates may be used. For extended weed control, a repeat application is recommended. For best results, water after all applications ( $\frac{1}{4}$  to  $\frac{1}{2}$  inch) to remove the granules from the foliage and to move the product to the soil surface for an effective chemical herbicide barrier. Do not destroy the chemical herbicide barrier created at the soil surface by raking or aerifying the turf after applying this product.

### **PRECAUTIONS IN USING**

Do not use on Bentgrass and Poa Annua putting greens and tees, or on dichondra.

Where Bentgrass and Bentgrass-containing turf and Poa Annua are the desired species, a lower rate application only is recommended.

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 temperatures below 40°F, scalping, and excessive soil moisture.)

**BERMUDAGRASS, BENTGRASS AND POA ANNUA  
PRECAUTIONS**

Do not apply to dormant Bermudagrass, Bentgrass or Poa Annua (turf that is not growing actively or has frost injury). May be applied to dormant Bermudagrass if it has been maintained at ½ inch or more high cut and is growing in medium fine textured soils such as clays and clay loams.

Where turf thinning or damage has occurred due to winter injury of Bermudagrass do not make an application until turf has greened up, is growing vigorously, and has filled in the dead areas.

Application to Bermudagrass overseeded with a cool season grass may injure and thin the overseeded variety.

Do not apply to Bentgrass or Poa Annua after late summer.

**OTHER PRECAUTIONS**

Delay seeding 4 months and sprigging by 5 months after an application. For best results, the soil surface should be worked (verticut and/or etc.) to destroy any remaining chemical residue before planting.

For newly planted areas, wait until the turf has been mowed up to 4 times, and is growing vigorously before application.

Do not apply more than 235 lbs. of product per acre per application. Do not apply to the same area more than 4 times per year when used at the 118 lbs. of product/acre rate, and only 2 times per year at the 235 lbs. of product/acre rate.

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 to 10 miles per hour) due to its yellow staining potential.

**SPREADER SETTINGS**

To check your spreader settings, refer to your spreader manual. To apply a rate of 118 lbs. of product/acre in an area of 1000 sq. ft. use the following method to calculate how much product to use:

$$\frac{1000 \text{ sq. ft.}}{43560 \text{ sq. ft./acre}} \times 118 \text{ lbs/acre} = 2.7 \text{ lbs. of Turf Pride® Fertilizer + 0.85\% Preemergent Weed Control}$$

At this rate, there is enough product in this bag to treat approximately 18,518 sq. ft.

To apply at a rate of 235 lbs. of product/acre in an area of 1000 sq. ft.:

$$\frac{1000 \text{ sq. ft.}}{43560 \text{ sq. ft./acre}} \times 235 \text{ lbs/acre} = 5.4 \text{ lbs. of Turf Pride® Fertilizer + 0.85\% Preemergent Weed Control}$$

At this rate, there is enough product in this bag to treat approximately 9,259 sq. ft

**IMPORTANT: PLEASE READ BEFORE USE**

Note: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller’s liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

<b>GUARANTEED FERTILIZER ANALYSIS</b>	
Total Nitrogen(N).....	xx%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	xx%
Soluble Potash (K <sub>2</sub> O) .....	xx%
Derived from.....xxxx	
FXXX	

[For Florida: FLORIDA APPLICATIONS: For use on golf courses or other athletic turf in FL, we recommend you follow SL191, “Recommendations for N,P,K & Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant” , revision: October 2013 (<http://edis.ifas.ufl.edu/SS404>) or “BMP’s for Enhancement of Environmental Quality on Florida’s Golf Courses” dated September 2012 (<http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/gfbmp07.pdf>). For use on urban turf or residential lawns in FL, we recommend you follow “Best Management Practices for Protection of Water Resources in Florida, 2010, Florida Green Industries” are referenced on the label. Copies may be obtained from DEP at [http://fyn.ifas.ufl.edu/pdf/GIBMP\\_Manual\\_WEB\\_2\\_17\\_11.pdf](http://fyn.ifas.ufl.edu/pdf/GIBMP_Manual_WEB_2_17_11.pdf)]

[Lot no. to be added at production]

**HOWARD FERTILIZER & CHEMICAL CO., INC.**  
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