



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 7, 2024

Sarah Kuetemeier  
Agent for Howard Fertilizer & Chemical CO., Inc  
Registrations by Design, Inc.  
P.O. Box 1019  
Salem, VA 24153

Subject: Label Amendment - Registration Review Mitigation for Oxadiazon  
Product Name: TURF PRIDE FERTILIZER WITH 1% RONSTAR  
EPA Registration Number: 35512-43  
Application Date: 06/16/2022  
Decision Number: 585300

Dear Sarah Kuetemeier:

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 Oxadiazon 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. As part of the registration review, EPA identified the need for this product to be classified as Restricted Use. The labeling approved today incorporates the necessary changes for classification as Restricted Use, therefore the classification is effective on the date of this letter.

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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. Due to the classification of this product as Restricted Use, in accordance with 40 CFR 152.167, after 120 days, any of this product you sell or distribute must:

- 1) Bear an approved amended label containing the terms of the Restricted Use classification;
- 2) Bear a sticker containing the product name, EPA registration number, and any terms of restricted use; **or**
- 3) Be accompanied by supplemental labeling bearing the product name, EPA registration numbers, and any terms of restricted use.

After 270 days, any of this product you sell or distribute must bear the approved amended labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Kelsi Grogan by phone at (202)566-2228, or via email at [grogan.kelsi@epa.gov](mailto:grogan.kelsi@epa.gov).

Sincerely,



Kevin Costello, Branch Chief  
Risk Management and Implementation Branch 2  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

# RESTRICTED USE PESTICIDE

due to potential human health risks of concern (cancer) from chronic dietary or dermal exposure when used in accordance with label directions. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

OXADIAZON

GROUP

14

HERBICIDE

## Turf Pride® Fertilizer with 1% Ronstar®

[Additional Brand Names: Turf Pride® AccuBlend™ Fertilizer with 1% Ronstar® Profusion Process]

50 lb. Bag Treats up to 10,870 Sq. Ft.

**FOR SALE TO AND USE BY PROFESSIONAL APPLICATORS ONLY. NOT FOR SALE TO OR USE BY HOMEOWNERS/CONSUMERS. FOR USE ON GOLF COURSES, PARKS, SOD FARMS, ATHLETIC FIELDS, AND OTHER RECREATIONAL AND ORNAMENTAL TURFGRASS AREAS.**

A Pre-emergent Weed Control Product plus a Quality Fertilizer to use on varieties of Perennial Bluegrass, Bentgrass, Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue and Zoysiagrass.

### ACTIVE INGREDIENT:

Oxadiazon: [2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)- $\Delta^2$ -1,3,4-oxadiazolin-5-one]..... 1.00%  
OTHER INGREDIENTS:..... 99.00%  
TOTAL 100.00%

Turf Pride® is a Reg. Trademark of Howard Fertilizer & Chemical Co., Inc.

## KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### 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 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 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. Call a poison control center or doctor for treatment advice.

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.

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 800-858-7378 for emergency medical treatment information.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes skin irritation. Do not get on skin, in eyes or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers of this product must wear:  
Coveralls over short sleeved shirt and short pants  
Waterproof gloves  
Chemical-resistant apron (when mixing/loading or cleaning equipment)  
Chemical-resistant footwear with socks.

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

**ENGINEERING CONTROL STATEMENTS:** 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

Wash thoroughly with soap and water after handling. 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 in to clean clothing.

### ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This pesticide is toxic to oysters and shrimp. This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of oxadiazon from runoff water and sediment.

**NON-TARGET ORGANISM ADVISORY:** 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 FERTILIZER ANALYSIS**

Total Nitrogen (N).....	variable	%
Nitrate Nitrogen	—	%
Ammoniacal Nitrogen	—	%
Water Soluble Nitrogen and/or Urea Nitrogen	—	%
Water Insoluble Nitrogen	—	%
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ).....	variable	%
Soluble Potash (K <sub>2</sub> O).....	variable	%

Derived from Ammonium Sulfate, Ureaform, Muriate of Potash; Manganese as Mn\_%; Iron as Fe\_%; Chlorine<\_%

F1261

[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 and Athletic Field Fertilization Base on Mehlich I Extractant", available on the internet at <http://edis.ifas.ufl.edu/SS404>.

FLORIDA APPLICATIONS: For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available on the internet at <http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMPBookfinal.pdf>]

## DIRECTIONS FOR USE

### RESTRICTED USE PESTICIDE

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 the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Apply only as specified on this label.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forest 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) notification to workers, and restricted-entry intervals. 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 12 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 over short sleeve shirt and short pants,  
Waterproof gloves,  
Chemical-resistant footwear with socks.

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants only on farms, forests, nurseries, or greenhouses. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Wear protective clothing including long-sleeved shirt and impervious gloves when handling. Launder exposed clothing before reuse.

Controls Crabgrass, Goosegrass, Poa Annua, Annual Sedge and other weeds as listed, on Golf Courses, Commercial Lawns, and other Athletic and/or Recreational Ornamental Turf.

**NET WEIGHT 50 POUNDS (22.7 kg)**  
EPA Reg. No. 35512-43 EPA EST. NO. 35512-FL-2  
**HOWARD FERTILIZER & CHEMICAL COMPANY, INC.**  
P.O. Box 628202 – Orlando, FL 32862-8202

**ACCEPTED**

May 07, 2024

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 35512-43

### Weed Resistance Management

For resistance management, this product is a Group 14 herbicide. Any weed population may contain or develop plants resistant to this product and other Group 14 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 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers tillage (or other mechanical control methods), biological (weed-competitive crops or varieties) and other management practices.
- 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 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 your local company representative, local retailer, or county extension agent.

**GENERAL PRECAUTIONS & RESTRICTIONS:** Not for use on home lawns. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

#### For all use sites:

- The minimum retreatment interval (RTI) between applications is 60 days.
- Total applications of oxadiazon of all physical forms must not exceed 6.0 lbs a.i./A/year if this product is used on the same site with liquid formulations.

#### For oxadiazon use on turf:

- A maximum single application rate of 3.0 lbs a.i./A, and a maximum annual application rate of 6.0 lbs a.i./A.
- For applications on non-agricultural turf (e.g., golf courses, parks, athletic fields), this product may not be applied prior to any liquid applications of oxadiazon within the same calendar year on the same area of turf.
- For applications to non-agricultural turf (e.g., golf courses, parks, athletic fields), this product may not be applied prior to any liquid applications of oxadiazon within the same calendar year on the same area of turf.
- On golf course turf only: In areas of heavy weed infestation only, the maximum single application rate is 4.0 pounds of active ingredient per acre, and the maximum annual application rate is 8.0 pounds of active ingredient per acre. No liquid applications may be applied on areas of turf treated at this maximum application rate in the same year.
- On golf course turf only: total applications of oxadiazon of all physical forms are limited to 30% of the total managed turf area of a golf course per year. Applications may be made to any turf surface type, including fairways, tees, greens, roughs, non-playable turf surfaces, or other managed turf areas. This 30% limit may be applied to the same or different turf areas from year to year.
- On golf course turf and sod farms: a minimum 10-foot-wide untreated vegetative buffer must be maintained between the treated area and any surface water features.

#### For ornamental landscaping, trees, shrubs, and nurseries:

- A maximum single application rate of 3.0 lbs a.i./A, and a maximum annual application rate of 6.0 lbs a.i./A.

For St. Augustinegrass and Bentgrass turf, DO NOT exceed the maximum single application rate of 3 lbs. of active ingredient per acre which is equal to 6.9 lbs. of this product per 1,000 sq. ft.

DO NOT apply to Bentgrass turf mowed less than 3/8 inch. This product may cause discoloration of Bentgrass, Bermudagrass and St. Augustinegrass but this discoloration is temporary and normally outgrown within 2 to 3 weeks. Avoid contact with flowers and shrubs except as recommended elsewhere for ornamental plants on this label. DO NOT apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment except as noted above. DO NOT apply to Dichondra or Centipedegrass. DO NOT use on golf course putting greens or tees because of the varying cultural practices used.

### WHERE, HOW MUCH AND WHEN TO USE ON TURFGRASS

This product may be used at full rate or as a \*split application in established **perennial Bluegrass, Bentgrass (see restrictions), Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysiagrass** turf, at apartment/condominium complexes, corporate and public parks, golf courses, sod farms, athletic fields, playgrounds, cemeteries and other ornamental and recreational turfgrass area. The turf should be free of leaves and thatch and in condition to allow granules to reach the soil surface. Know the square footage of the area to be treated and uniformly apply using a granule spreader. Do not apply to turf when it is wet. When using at full rate do not overlap spreader applications, especially on St. Augustinegrass since discoloration "streaking" may temporarily occur from the "doubled rate". Observe the above maximum application rates. See above for restrictions when using on Bentgrass. After application, user must thoroughly irrigate the site as soon as possible on the same day of application to get maximum weed control and quicker response from the fertilizer nutrients. This product is a pre-emergence herbicide and must be applied prior to weed seed germination. It will not control growing weeds. \*See paragraph below for instructions to apply the 3 lb. rate as a split application. For the annual rate of 2 - 4 lbs. a.i./acre, on weedy turf, containing difficult-to-control weeds, apply this product in one application at the 3 or 4 lb. rate.

Pre-emergence Weed Control			
Weeds Controlled	lbs. a.i./Acre lbs. product/acre	lbs. of product per 1,000 sq. ft.	Directions
Crabgrass ( <i>Digitaria, spp</i> ) Goosegrass ( <i>Elyusine indica</i> ) Field Sandbur ( <i>Cynchus incertus</i> ) Annual Sedge ( <i>Cyperus compressus</i> )	2.0 to 3.0 lbs. a.i./A 200 -300 lbs./A	4.6 to 6.9 lbs.	Apply in late winter or early spring prior to weed seed germination. Application made after April or May may not be fully effective.
Annual Bluegrass ( <i>Poa annua spp.</i> ) (See note Below)	2.0 to 3.0 lbs. a.i./A 200 -300 lbs./A	4.6 to 6.9 lbs.	Apply in late summer to early fall prior to weed seed germination
Virginia Buttonweed ( <i>Diodia virginiana</i> ) Pigweed ( <i>Amaranthus spp.</i> ) Florida Pusely ( <i>Richardia scabra</i> ) Oxalis ( <i>Oxalis spp.</i> ) Stinging Nettle ( <i>Urtica dioica</i> ) Carpetgrass ( <i>Axonopus officinis</i> )	3 lbs. a.i./A 300 lbs./A	6.9 lbs.	Apply in early spring prior to weed seed germination

Fall Application for Spring Weed Control in Cool Season Turf			
Crabgrass, Goosegrass and other annual weeds as listed	3 lbs. a.i./A 300 lbs./A	6.9 lbs./1,000 sq. ft.	For use in Bluegrass, Bentgrass, perennial Ryegrass and Tall Fescue. Make application in the fall after turf has become dormant. For late fall applications, seeding into treated areas should be delayed until 4 months after greenup.

Annual Bluegrass Control in Bermudagrass Fairways Overseeded with Perennial Ryegrass only			
Annual Bluegrass ( <i>Poa annua spp.</i> )	2 lbs. a.i./A 200 lbs./A	4.6 lbs./1000 sq. ft.	Apply in late summer to early fall prior to Poa annua spp. seed germination. Any Poa annua spp. established when this product is applied will not be controlled. It should not be applied closer than 60 days to overseeding. Do not use where poa trivialis is present in the overseed mixture. Apply the fall 2 lb. rate in one application.
<b>NOTE:</b> In many areas annual bluegrass exists as at least two biotypes or subspecies of Poa Annua. The true annual biotype, "Poa Annua spp. annua" which germinates from seed every year is controlled, while they biotype, "Poa Annua spp. raptans" which behaves like a perennial and survives through the summer, as an established plant, cannot be controlled. Consult the extension service or University weed specialist in your area for more information concerning your locals.			

Annual Weed Control during establishment from "Sprigs", of Bermudagrass, Zoysiagrass, and Seashore Paspalum			
Crabgrass and Goosegrass, Annual Sedge and other annual weeds.	2 to 3 lbs. a.i./A 200 to 300 lbs. per acre	4.6 to 6.9 lbs. per 1,000 sq. ft.	Directions - For Bermudagrass make application immediately prior to or immediately after sprigging. For Seashore Paspalum make application 10 to 14 days after sprigging. Applications made close to the time of sprigging may cause objectionable Seashore Paspalum injury. Disturbance of the soil surface after application may disrupt the herbicide barrier and reduce effectiveness. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

**FOR SPRING APPLICATION ON GOLF COURSES UNDER TURF MANAGEMENT THE 3 lb. and 4 lb. ANNUAL PER ACRE RATES CAN BE APPLIED AS A "SPLIT" APPLICATION!**

Weed control and better turf management can be programmed by splitting the annual per acre rate of active ingredient into "two" separate applications. For example to accomplish this apply 1.5 lbs. a.i. (for a required 3 lbs. a.i./acre annual rate) or 2 lbs. a.i. (for a required 4 lb. a.i./acre annual rate) as the first application 1 to 2 weeks before estimated weed seed germination or in late December or early January. Follow with the second "1/2 rate" in 60 days or the first of March. The timing for these applications should be closely programmed to the geographic region and adjusted to an "early" or "late" spring. Do not split the 2 lb. rate. The 3 lb rate should not be split if applied to new turf areas first coming under turf management where weed pressure is expected to be heavy.

**WEEDS CONTROLLED**

Annual Bluegrass	*Evening Primrose	*Jungle Ricegrass	Sow Thistle
Annual Sedge	Fireweed	Lambsquarter	Speedwell
*Barnyardgrass	Field Sandbur	*Liverwort	Spotted Catsear
Bittercress	Foxtail: Green, Bristly	Oxalis	Spurge; Garden, Petty
Carpetweed	Fall Panicum	*Panama Paspalum	*Prostrate
Carpetgrass	Florida Pusley	Pennsylvania Smartweed	Stinging Nettle
Common Groundsel	*Galinsoga	Redroot Pigweed	*Swinecress
Common Purslane	Golden Ragwort	Sensitive plant	Virginia Buttonweed
Crabgrass	*Goosegrass	Shepardspurse	Yellow Woodsorrel

\*For these weeds use 3 lbs. a.i. per acre (equal to 300 lbs. of this product per acre)

NOTE: For newly seeded lawns do not apply this product until after the second or third cutting. For best turf management, place new grass seed in the fall of the year. Spring pre-emergence weed control can then be applied.

Spreader Settings	for 1.5 lb.a.i./Acre	for 2lb.a.i./Acre	for 3 lb.a.i./Acre	for 4 lb.a.i./Acre
Cyclone B3-Pro	# 2.0	# 2.75	# 3.25	# 3.9
For Scotts Pro R-8A	# G	# H	# I+	# J+
Plan on an approximately 3 mph spreader speed to obtain best coverage. Know the exact square footage before application. Incorrect application will result in poor weed control.				

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Store product in its original bag, in a cool, dry, locked place out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticides, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance. **CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. 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 and local authorities, by burning. If burned stay out of smoke.

NOTICE: To the extent consistent with applicable law, buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

[Batch Code to be added at production.]