



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 26, 2024

Jasmine Ponce
Regulatory Compliance Specialist
The Andersons, Inc.
PO Box 119
Maumee, OH 43537

Subject: Label Amendment - Registration Review Mitigation for Oxadiazon
Product Name: Andersons Golf Products Goosegrass/Crabgrass Control
EPA Registration Number: 9198-176
Application Date: June 8, 2022
Decision Number: 585196

Dear Jasmine Ponce:

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 Theodore Varns by phone at 202-566-2241, or via email at varns.theodore@epa.gov.

Sincerely,



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

ENCLOSURE: Stamped label

Front Panel

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
BENSULIDE	GROUP	0	HERBICIDE

Andersons Golf Products Goosegrass / Crabgrass Control

For sale to and use by professional applicators only. Not for sale to or use by homeowners/consumers-

- Prevents goosegrass and crabgrass in bermudagrass, zoysiagrass, tall fescue, bentgrass, perennial bluegrass, and perennial ryegrass
- For use on bentgrass fairways (in listed states only)
- For use on bentgrass, bermudagrass, and zoysiagrass greens.
- For use on bermudagrass, zoysiagrass, tall fescue, bentgrass, perennial bluegrass, and perennial ryegrass tees.

ACTIVE INGREDIENT:

Bensulide ^F	5.25%
Oxadiazon ^{FF}	1.31%
OTHER INGREDIENTS:	93.44%
Total	100.00%

TCAS # 741-58-2
FFCAS# 19666-30-6

This product contains 0.0525 lbs. of Bensulide and 0.0131 lbs. of Oxadiazon per lb. of product.

EPA Reg. No. 9198-176
EPA Est. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A-
Underlined letter used is first letter of run code on end of bag

SGN 80
Treats Up to 22,000 Square Feet
Net. Weight 28.87 lbs. (13.0 kg)

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION: causes moderate eye irritation. Avoid contact with eyes or clothing.

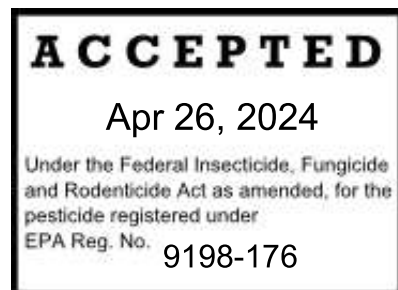
Personal Protective Equipment (PPE)

Applicators using a push type spreader and all loaders must wear:

- Coveralls over long-sleeved shirt and long pants,
- Waterproof gloves
- Chemical-resistant footwear plus socks,
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P or HE filter.

All other applicators and handlers must wear:

- Long-sleeved shirt and long pants,
- Waterproof gloves and shoes plus socks.



In addition to the above, for-hire applicators (non-golf course employees) must wear a NIOSH- approved dust mist filtering respirator with MSH/NIOSH approval prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter (due to repeated exposures) when applying this product to golf courses.

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 Controls

When handlers use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides CFR(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

User 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.

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 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 on skin: 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 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 contact 1-800-757-8951 for emergency medical treatment information.

Environmental Hazards:

This product is toxic to fish and aquatic vertebrates; including oysters and shrimp. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

For terrestrial uses: Do not apply directly to water or to areas where surface water is present or the intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply when weather conditions favor drift from the treated area. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. This product may impair reproduction in birds if used during the breeding season.

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 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 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.

Back Panel

WEED RESISTANCE MANAGEMENT

For resistance management, please note that this product contains both a Group 14 herbicide and a Group 0 herbicide. Any weed population may contain plants naturally resistant to Group 14 and/or Group 0 herbicides. The resistant individuals may dominate the weed population if these herbicides are used repeatedly in the same fields. 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 and/or Group 0 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 crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), 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 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.

DIRECTIONS FOR USE

Restricted Use Pesticide

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

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

Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application.

Controls crabgrass and goosegrass as they sprout.

This product may be only applied by a tractor-drawn spreader or by push type spreader.

For use only on golf courses (greens, tees and bentgrass fairways only).

After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

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.

The maximum single application rate is 3.0 lbs a.i./A, and the maximum annual application rate is 6.0 lbs a.i./A.

Application on bentgrass fairways is limited to the following states: OH, PA, NY, MI, CT, MA, IN, IL, NJ, WV, MN, WI, VT, NH, RI, DE, MD, VA. Applications on bentgrass fairways may only be made in the Fall and are limited to one 3.0 lbs a.i./ A application per year.

Applications to greens and tees are limited to two per year. The maximum single application rate is 229 lbs./acre or 5.25 lb./1,000 sq. ft of product (3 lbs oxadiazon ai per acre), and the maximum annual application rate is 458 lbs./acre or 10.5 lb./1,000 sq. ft. of product (6 lbs oxadiazon ai per acre) per year.

On tees and greens only: in areas of heavy weed infestation only, the maximum single application rate is 305 lbs./acre or 7 lbs./1,000 sq. ft. of product (4 lbs. oxadiazon active ingredient per acre), and the maximum annual application rate is 610 lbs./acre or 14 lb./1,000 sq. ft. of product (8 lbs oxadiazon active ingredient per acre) per year. No liquid applications may be applied on areas of turf treated at this maximum application rate in the same year.

For applications on golf course turf that follow a liquid application, this product must be applied 60 days or later after the liquid application. After applying this product, no liquid applications of oxadiazon are allowed within the same calendar year on the same area of turf.

For applications to golf course turf, 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: 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: a minimum 10-foot-wide untreated vegetative buffer must be maintained between the treated area and any surface water features.

PRECAUTIONS

IMPORTANT: THIS PRODUCT WILL NOT WORK UNLESS IT IS WATERED IN FOR 10-15 MINUTES. FOR SAFETY REASONS, WATER THIS PRODUCT IN AS SOON AS POSSIBLE FOLLOWING APPLICATION FOR 10-15 MINUTES AND DO NOT ALLOW CHILDREN OR PETS ON TREATED AREAS UNTIL DRY FOLLOWING THE WATERING.

WATERING-IN MUST BE PERFORMED BY THE COMMERCIAL APPLICATOR.

Do not use on home lawns, parks, recreation areas, or other public sites.

ESTABLISHED COOL AND WARM-SEASON GRASSES

This product may be used on bentgrass, bermudagrass, and zoysiagrass putting greens only under conditions of very heavy goosegrass infestations and where the herbicidal side effects are tolerable.

This product may cause yellowing and/or thinning for up to 4 weeks on bentgrass and bermudagrass greens.

Do not use this product when the temperature is consistently below 50°F or above 80°F.

Not for use where *Poa annua*, annual ryegrass, or fine fescue are the desired turf or on dichondra or similar ground covers.

Complete any raking or aerifying of the turf before treatment so that the protective chemical barrier is not destroyed.

For best results apply to DRY FOLIAGE and ensure that the product granules reach the soil surface by removing debris and mowing if necessary prior to treatment.

Apply uniformly at the NORMAL RATE (1X) in the Spring (South: January to early April; North March to early May) prior to crabgrass or goosegrass germination.

ADDITIONAL SEEDING, OVERSEEDING, SPRIGGING, AND STOLONIZING INFORMATION

Do not use on newly seeded bermudagrass until after the second mowing.

Aerification, coring or other practices which break the herbicidal barrier will increase germination if performed just before seeding.

Residual effectiveness requires a delay of 5 growing months after the last treatment before overseeding. On newly sprigged bermudagrass wait until the grass has filled in and stolons have rooted down before application.

Where large areas of bermudagrass have been severely thinned (25% or more), withhold application until desired fill-in and rooting in of the stolons are achieved.

SPREADER APPLICATION RECOMMENDATIONS

Correct spreader calibration is important to minimize undesirable results.

For best results on bentgrass greens, application using a properly calibrated tractor drawn drop spreader or push type drop spreader is recommended.

When applying the product at NORMAL RATE (1X), a HALF WIDTH application can be made. The HALFWIDTH application will ensure a more uniform coverage and particle distribution by reducing the effect of spreader variation. If the HALF WIDTH application is chosen, be sure to use the HALF WIDTH setting under the NORMAL RATE (1X) as shown in the spreader table at end of label.

Heavy Weed Pressure

Where heavy weed pressure is expected, apply a NORMAL RATE (1X) followed by a repeat application at the HALF RATE ($\frac{1}{2}$ X), 6 to 8 weeks later. DO NOT APPLY THIS REPEAT APPLICATION TO BENTGRASS GREENS OR FAIRWAYS.

Reduce Yellowing or Injury

To reduce the potential for yellowing or injury on established bentgrass greens, bermudagrass greens, and perennial ryegrass winter overseedlings, apply an initial treatment to dry foliage at the HALF RATE ($\frac{1}{2}$ X). Apply a repeat treatment 10-14 days later at the HALF RATE ($\frac{1}{2}$ X).

Where herbicidal effects at the NORMAL RATE (1X) can be tolerated, this product may be applied at the HALF WIDTH to ensure proper particle coverage.

Poa trivialis

When using this product on established winter overseedings of *Poa trivialis* or blends containing *Poa trivialis*, apply an initial treatment to dry foliage at the HALF RATE ($\frac{1}{2}$ X). Repeat treatment again 10-14 days later at the HALF RATE ($\frac{1}{2}$ X).

SPREADER SETTINGS AND APPLICATION INFORMATION

SPREADER	GROUND SPEED	Spreader Settings					
		NORMAL RATE (1X)				HALF RATE (½ X)	
		SETTING	FULL WIDTH OF COVERAGE	SETTING	HALF WIDTH OF COVERAGE	SETTING	FULL WIDTH OF COVERAGE
aa	X mph	X	X feet	X	X feet	X	X feet
bb	X mph	X	X feet	X	X feet	X	X feet
cc	X mph	X	X feet	X	X feet	X	X feet
Application Information							
Lb. active ingredient/acre (Bensulide, Oxadiazon)		6.0 , 1.5		6.0 , 1.5		3.0 , 0.75	
Lb. product/1,000 sq. ft.		2.62		2.62		1.31	
Number of Bags/Acre		4		4		2	

Note to EPA: actual spreader models may vary depending on market demand and availability – available on final printed label

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, 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 disposal facility.

CONTAINER DISPOSAL: Nonrefillable 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.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION. (RVnot082707)

Attention: This product contains a chemical known to the state of California to cause cancer, birth defects or reproductive harm.

Visit us at our website at: {website address}

Manufactured By:
The Andersons, Inc.
PO Box 119
Maumee, OH 43537
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