

**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
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**FERTILIZER WITH  
RONSTAR 1.0%  
PREEMERGENCE WEED CONTROL**

**5-0-20**

**GUARANTEED ANALYSIS**

Available Nitrogen (N) ..... 5%  
5.0% Urea Nitrogen

Soluble Potash (K<sub>2</sub>O) ..... 20%

Derived from: Muriate of Potash, Urea.

Chlorine (Cl)..... 16%



F699

**SUGGESTED SPREADER SETTINGS**

Spreader	4.6 lbs./1,000 sq. ft.	6.9lbs./1,000 sq. ft.	9.2lbs./1,000 sq. ft.	Spreader	4.6 lbs./1,000 sq. ft.	6.9lbs./1,000 sq. ft.	9.2lbs./1,000 sq. ft.
LebanonTurf	5	5½	7½	Lesco (letter/Numeric)	J/21	L/25	O/29
Andersons AccuPro	N	Q	T	PennMulch HVO	N	Q	T
Earthway Rotary	17	21	25	ProScape SS	N	Q	T
Gandy	29	33	37	Spyker	5	5½	7½
Lely	6 ll	7 ll	8 ll	Vicon (all models)	26	31	36

**These settings were calibrated and field tested. However, age and condition of spreader, speed of operation, and evenness of terrain may require slightly different settings for desired coverage.**

**Before buying this product, read the Warranty Section elsewhere on this label.**

**If terms are not acceptable, return the unopened container to the place of purchase at once.**

**ACTIVE INGREDIENT:**

Oxadiazon .....	1.00%
<b>OTHER INGREDIENTS:</b> .....	<b>99.00%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

CAS No. 19666-30-9  
EPA Reg. No. 961-379

(L) (D)  
EPA Est. No. 961-PA-01-961-IL-01  
Superscript used is first letter of lot number.

Ronstar® is a registered trademark of Bayer AG.

**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.)

**READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY ACCORDING TO LABEL INSTRUCTIONS.**

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**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if inhaled. **DO NOT** get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Goggles or face shield, and
- Waterproof gloves

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.

**USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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 the 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 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.
- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergency Medical Information call (888) 208-1368.  
**NOTE TO PHYSICIAN:** If eye irritation is present after decontamination, ophthalmologic consultation is appropriate.

**ENVIRONMENTAL HAZARDS**

Ronstar® should not be used in areas where irrigation or rainfall results in the direct or indirect (via ditches and canals) contamination of surface waters through dissolved runoff or erosion of soil particles to which oxadiazon is absorbed.

This pesticide is toxic to oysters and shrimp. 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 washwaters or rinsate. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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.

**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.

**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, 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 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 to 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,  
• Shoes plus socks  
• Waterproof gloves

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in 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 on farms, forests, nurseries, or greenhouses. **DO NOT** enter or allow others to enter the treated area until dusts have settled.

**PRODUCT INFORMATION**

This product is a combination product consisting of a fine quality fertilizer and a selective preemergence herbicide. It can be used for the control of the broadleaf weeds and annual grasses listed below, without harm to the ornamental turfgrasses listed on this label when applied according to directions. Weeds are controlled by killing the young weed seedlings as they come in contact with the herbicide during germination. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

**PRECAUTIONS AND RESTRICTIONS**

**DO NOT** apply through any type of irrigation system. Avoid contamination of water intended for irrigation and domestic use. **DO NOT** cut treated vegetation for forage or hay nor graze domestic animals on treated areas for one year following application. **DO NOT** apply to turf with heavy thatch accumulation or to turf which has been affected by disease or nematode activity. **DO NOT** use on putting greens or tees because of the varying cultural practices used. **DO NOT** apply to Dichondra or Centipedegrass. **DO NOT** apply to Bentgrass turfs mowed at less than 3/8 inch. The minimum retreatment interval (RTI) between applications is 60 days. Total applications of oxadiazon of all physical forms must not exceed 600 lbs. this product/A/year (6.0 lbs. a.i./A/year) if this product is used on the same site with liquid formulations. A maximum single application rate of 300 lbs. this product/A (3.0 lbs. a.i./A), and a maximum annual application rate of 600 lbs. this product/A (6.0 lbs. a.i./A)

For applications on non-agricultural turf (e.g., golf courses, parks, athletic fields) 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 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 400 lbs. this product/A (4.0 lbs. a.i./A), and the maximum annual application rate is 800 lbs. this product/A (8.0 lbs. a.i./A). 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, nonplayable 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 St. Augustine and Bentgrass turf, do not exceed the rate of 300 lbs. per acre (3 lbs. active ingredient) or 6.9 lbs. per 1,000 sq. ft. May cause discoloration of Bentgrass, Bermudagrass and St. Augustinegrass. This discoloration is temporary and normally outgrown within 2 to 3 weeks. **DO NOT** apply to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment. Avoid contact with flowers and shrubs.

**WEED RESISTANCE MANAGEMENT**

For resistance management, LebanonTurf Country Club Fertilizer with Ronstar 1.0% Preemergence Weed Control is a Group 14 herbicide. Any weed population may contain certain or develop plants naturally resistant to LebanonTurf Country Club Fertilizer with Ronstar 1.0% Preemergence Weed Control and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate management strategies should be followed.

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

- Rotate the use LebanonTurf Country Club Fertilizer with Ronstar 1.0% Preemergence Weed Control or other Group 14 herbicides within a growing season with different herbicide groups that control the same weeds.
- 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. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers mechanical control methods, cultural (e.g., timing to favor the desirable plants and not the weeds), biological (weed-competitive varieties) and other management practices.
- If a weed 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 sales representative, pest control advisors, or local extension specialist for additional pesticide resistance management and/or integrated weed management recommendations for specific types of plants and weed biotypes.
- For further information or to report suspected resistance, contact LebanonTurf Seaboard Corporation at 800-233-0628 M - F 8:00 AM - 5 PM EST.

**TURF**

When applied according to directions, this product can be used safely on the following established turfgrass varieties: Bentgrass, Bermudagrass, Bluegrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysia turf. It may be used in the control of weeds in lawns and turfgrass areas associated with apartment and condominium complexes, parks, golf courses, athletic fields, and cemeteries.

**CONTROLS WEED GRASSES & BROADLEAF WEEDS**

Weed Grasses		Broadleaf Weeds		
Annual Bluegrass**	Field Sandbur	Bittercrass	Florida Pusley	Oxalis
Barnyardgrass*	Goosegrass**	Carpetweed	Galinsoga*	Pennsylvania
Bristly Foxtail	Green Foxtail	Groundsel, common*	Golden Ragwort	Smartweed
Carpetgrass	Junglerice grass**	Common Purslane	Lambsquarters	Petty Spurge
Crabgrass	Panama Paspalum**	Evening Primrose*	Liverwort**	Prostrate Spurge**
Fall Panicum				

For weeds with asterisks see paragraphs below.

**HOW TO APPLY**

For best weed control, rake the area free of leaves and thatch and mow if necessary so that granules will reach the soil surface. Measure the area to be treated and uniformly apply the required amount using a fertilizer spreader (see **SPREADER SETTINGS** chart). **DO NOT** apply to wet turf. **DO NOT** overlap spreader applications on St. Augustinegrass since discoloration "streaking" may temporarily occur from "double rate". After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

**HOW MUCH TO USE**

**FOR CRABGRASS AND OTHER WEEDS LISTED ABOVE**

For susceptible weeds listed above (without "asterisk") apply 4.6 lbs. per 1,000 sq. ft. (2 lbs. A.I./acre) when turf has been in a yearly maintenance program. Apply 6.9 lbs. per 1,000 sq. ft. (3 lbs. A.I./acre) if lawn has been heavily infested with crabgrass and other susceptible weeds. Apply in early spring 1 to 2 weeks prior to weed seed germination. This product is a preemergence herbicide and will only control germinating weed seeds. It will not control emerged and growing weeds. Late applications will control only those weed seeds that germinate after the application. See **WHEN TO APPLY** Chart for proper timing.

**\*MORE TOLERANT WEEDS**

**BARNYARDGRASS, EVENING PRIMROSE, GALINSOGA, GROUNDSEL, SWINECRESS.**

Where these weeds are a problem, apply 6.9 lbs. per 1,000 sq. ft. (3 lbs. A.I./acre) in early spring or 1 to 2 weeks before expected weed seed germination. This product will not control emerged and growing weeds. It is only effective against germinating weed seeds. Observe 6.9 lbs. per 1,000 sq. ft. maximum rate for St. Augustinegrass.

**\*\*MOST TOLERANT WEEDS**

**GOOSEGRASS, JUNGLERICE, LIVERWORT, PANAMA PASPALUM, PROSTRATE SPURGE.**

For "most tolerant" weeds apply 9.2 lbs. per 1,000 sq. ft. (4 lbs. A.I./acre) and apply 1 to 2 weeks prior to weed seed germination. See **WHEN TO APPLY** Chart for proper timing. Observe 6.9 lbs. per 1,000 sq. ft. maximum rate for St. Augustinegrass.

**\*\*FOR ANNUAL BLUEGRASS (*Poa Annua*)**

Apply 9.2 lbs. per 1,000 sq. ft. (4 lbs. A.I./acre) when heavy seed germination is expected and 6.9 lbs. per 1,000 sq. ft. (3 lbs. A.I./acre) when light seed germination is expected. Apply in late summer to fall or in early spring 1 to 2 weeks before expected weed seed germination. This product will not control *poa annua* present at time of application — only germinating weed seeds. Refer to **WHEN TO APPLY** Chart for proper timing. Observe 6.9 lbs. per 1,000 sq. ft. maximum rate for St. Augustinegrass.

**WHEN TO APPLY**

APPROPRIATE TIMES TO APPLY THIS PREEMERGENT HERBICIDE											
JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1. _____	_____	_____	_____	_____	_____	_____	_____	3. _____	_____	_____	_____
4.> _____	_____	_____	2a. _____	_____	_____	_____	_____	4. _____	_____	_____	_____

1. For CRABGRASS and other weeds germinating in the Spring in Northern Turf.
2. For GOOSEGRASS and other late germinating weeds such as PROSTRATE SPURGE.
- 2a. For GOOSEGRASS in Southern Turf.
3. For *POA ANNUA* in Northern Turf.
- 3a. For *POA ANNUA* in Southern Turf.
4. For Fall-Winter-Spring control of ANNUAL WEEDS in Southern Turf.

Apply this product with a properly calibrated granular applicator that will apply the granules uniformly (uniform application is essential for satisfactory weed control). Calibrate the applicator prior to use, according to the manufacturer's directions, and check frequently during the application to be certain that the equipment is working properly.

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE:** Store product in its original container in a cool, dry, locked place out of the reach of children and animals. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**WARRANTY**

**NOTE:** To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.

For technical assistance or more information about our products visit: [www.LebanonTurf.com](http://www.LebanonTurf.com)

Manufactured by:  
**Lebanon Seaboard Corporation**  
1600 E. Cumberland St. • Lebanon, PA 17042  
[www.LebanonTurf.com](http://www.LebanonTurf.com)

**EH-E/24**

**Net Weight: 50 LBS. (22.7 kg)**