

# RESTRICTED USE PESTICIDE

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

# RONSTAR®

## Flo Herbicide

Preemergence Herbicide for the Control of Annual Grasses and Broadleaf Weeds In Turf and Ornamentals Including Landscape Ornamental Beds by a Certified Applicator.

For sale to and use by Certified Applicators only. Not for sale to or use by homeowners/consumers. Not for Use in Turfgrass on Residential Properties.

FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY, TURF AND LANDSCAPE PERSONNEL ONLY. NOT FOR USE ON HOME LAWNS.

#### ACTIVE INGREDIENT:

Oxadiazon [2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-Δ-1, 3, 4-oxadiazolin-5-one] ..... 34.1%

OTHER INGREDIENTS: ..... 65.9%

TOTAL ..... 100.0%

This product contains 3.17 lb ai/gallon

EPA Reg. No. 101563-125

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Panel for First Aid Instructions and Leaflet for Complete  
Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-424-9300  
For PRODUCT USE Information Call 1-800-331-2867

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61380726E 240507AV1

Net Contents  
**2.5 Gallons**

PRODUCED FOR  
Environmental Science U.S., LLC  
5000 CentreGreen Way, Suite 400  
Cary, NC 27513

## FIRST AID

<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 a poison control center or doctor.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eyes 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.</li><li>• Call a poison control center or doctor for treatment advice.</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>

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride (PVC)  $\geq$  14 mils, and viton  $\geq$  14 mils.

Mixers, loaders, applicators and other handlers must wear: Long-sleeved shirt and long pants, Shoes plus socks, and waterproof gloves. In addition, mixers and loaders must wear a chemical-resistant apron. See engineering controls for additional requirements.

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 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

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.

## ENVIRONMENTAL HAZARDS

For terrestrial use, 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This pesticide is toxic to oysters and shrimp. RONSTAR® FLO must 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.

## GROUNDWATER ADVISORY

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.

## SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rainwater. 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 spray 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.**

**Read entire label before using this product.**

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 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, chemical resistant gloves made of any waterproof material, and shoes plus socks.

## 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 (WPS) 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 allow people or pets to enter treated areas until sprays have dried.

## PRODUCT INFORMATION

RONSTAR® FLO HERBICIDE is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a variety of woody ornamental shrubs and trees. RONSTAR® FLO HERBICIDE controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply RONSTAR® FLO HERBICIDE with a properly calibrated sprayer that will apply the spray solution uniformly (uniform application is essential for satisfactory weed control). Calibrate the sprayer prior to use, according to the manufacturer's directions and check daily to be certain that the equipment is working properly.

## MANDATORY SPRAY DRIFT MANAGEMENT

### Ground Boom Applications:

User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or turf.

Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).

Do not apply when wind speeds exceed 15 mph at the application site. Do not apply during temperature inversions.

### Boomless Ground Applications:

Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).

Do not apply when wind speeds exceed 15 miles per hour at the application site. Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **Controlling Droplet Size – Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

### **BOOM HEIGHT – Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### **WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### Boomless Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### Handheld Technology Applications:

Take precautions to minimize spray drift.

## WEED RESISTANCE MANAGEMENT

For resistance management, RONSTAR® FLO HERBICIDE contains oxadiazon, a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to this product. 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:

- Rotate the use of RONSTAR FLO HERBICIDE or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- 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 mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties), and other management practices.

- Scout before and 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 noncontrolled 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 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 university turf weed scientist for additional pesticide resistance-management and/or integrated weed-management recommendations for specific weed biotypes.
- For further information or to report suspected resistance contact Environmental Science U.S., LLC at 1-800-331-2867. You can also contact your pesticide distributor or university extension specialist to report resistance.

For more information on Weed Resistance Management, visit the Herbicide Resistance Action Committee (HRAC) on the web at <http://www.hracglobal.com>.

## PRODUCT RESTRICTIONS

### For all use sites:

- Mechanically pressurized handguns may only be used for applications to golf course turf.
- 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 other formulations.
- Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

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

### For oxadiazon uses on non-agricultural turf sites (e.g., golf courses, parks, athletic fields):

- A maximum single application rate of 3.0 lbs a.i./A and maximum annual application rate of 3.0 lbs a.i./A, with use limited to one application per year.
- Application of this product may be followed by one or more applications of a granular oxadiazon product. Total applications of oxadiazon of all physical forms must not exceed 6.0 lbs a.i./A/year when a liquid application has been applied.
- This product may be applied to dormant turf in late winter or early spring as the first application of the calendar year. This product may not be applied to any turf area that has already been treated with a granular formulation of oxadiazon within the same calendar year.
- On golf course turf only: total applications of oxadiazon of all physical forms are limited to the same 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 one year to the next.
- Applications made using backpack sprayers may only be used for spot treatments (treatment of a maximum of 1000 square feet per acre).
- On golf courses: A minimum 10-foot-wide untreated vegetative buffer must be maintained between the treated area and any surface water features.

### For oxadiazon uses on agricultural turf sites (i.e., sod farms):

- 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 from all physical forms.
- A minimum 10-foot wide untreated vegetative buffer must be maintained between the treated area and any surface water features.

### For oxadiazon uses on woody ornamental shrubs and trees, rights-of-way, ornamental nurseries, and conifer nurseries:

- A maximum single application rate of 2.0 lbs a.i./A, and a maximum annual application rate of 2.0 lbs a.i./A, with use limited to one application per year.
- Applications made using backpack sprayers may only be used for spot treatments (treatment of a maximum of 1000 square feet per acre).

## TURF

**For use in dormant**, established Bermudagrass, St. Augustine grass\* and Zoysia turf\* such as golf courses (including fairways, roughs, non-playable turf surfaces, or other managed turf areas), parks, athletics fields and sod farms. RONSTAR® FLO HERBICIDE controls Crabgrass, Goosegrass, Annual Bluegrass, Annual Sedge and Virginia Buttonweed.

RONSTAR® FLO HERBICIDE must be applied at least 2-3 weeks prior to green up. Rake turf area free of leaves, mowing if necessary so the spray solution reaches the soil surface. Measure the area to be treated and uniformly apply the amount required. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

**\*DO NOT USE ON ST. AUGUSTINE GRASS OR ZOYSIA TURF IN CALIFORNIA.**

**Hawaii only:** RONSTAR® FLO HERBICIDE may be applied to newly sprigged Zoysiagrass being grown for sod. Insure the spray reaches the soil surface and if rain is not expected shortly after application, irrigate the turf thoroughly.

## PREEMERGENCE WEED CONTROL

WEEDS CONTROLLED	RONSTAR® FLO HERBICIDE FL OZ PER 1000 sq. ft.	DIRECTIONS
Crabgrass ( <i>Digitaria</i> spp.) Goosegrass ( <i>Eleusine indica</i> ) Annual Bluegrass ( <i>Poa annua</i> ) Annual Sedge ( <i>Cyperus compressus</i> )	1.85-2.8 (2.0-3.0 lb ai/A)	Apply in late winter or early spring prior to weed seed germination and turf greenup. Treatment is effective only against spring germinating <i>Poa annua</i> . A subsequent application can be made 60 days after the previous treatment with a granular formulation, only. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.
Virginia Buttonweed ( <i>Diodia virginiana</i> )	2.8 (3.0 lb ai/A)	Apply in 0.75 – 3.5 gallons of water per 1000 sq. ft.

\*Not currently registered in California.

ANNUAL WEED CONTROL DURING BERMUDAGRASS ESTABLISHMENT FROM SPRIGS\*

WEEDS CONTROLLED	RONSTAR® FLO HERBICIDE FL OZ PER 1000 sq. ft.	DIRECTIONS
Crabgrass, Goosegrass, and Annual Sedge	1.85 (2.0 lb ai/A)	Make application immediately prior to or immediately after sprigging. Disturbance of the soil surface after RONSTAR® FLO HERBICIDE 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.

Do not apply RONSTAR® FLO HERBICIDE to newly seeded areas. Seeding into treated areas must be delayed until 4 months after treatment. RONSTAR® FLO HERBICIDE must not be used on putting greens or tees because of the varying cultural practices used. Apply in 0.75 – 3.5 gallons of water per 1000 sq. ft. The maximum amount of product allowed per year is 2.8 fl. oz of product per 1000 sq. ft. (0.9 gallons of product per acre per year) (equivalent to 3 pounds ai/A/year). After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

\*Not currently registered in California.

ORNAMENTALS AND CONIFER NURSERIES

WOODY ORNAMENTAL SHRUBS AND TREES, RIGHTS OF WAY, CONIFER NURSERY AND ORNAMENTALS

May not be applied to ornamentals in residential properties. Apply RONSTAR® FLO HERBICIDE prior to weed seed germination, as a directed spray to the soil surface or as an over the top spray only on labeled species. RONSTAR® FLO HERBICIDE can be applied to both newly transplanted and established plants. Application can be made to actively growing or dormant plants. However, RONSTAR® FLO HERBICIDE must not be applied during bud break or during the 4 weeks after bud break. Rainfall or overhead irrigation (one-half inch) immediately after application of RONSTAR® FLO HERBICIDE will improve weed control activity. After application, user must thoroughly irrigate the site as soon as possible on the day of application to move the RONSTAR® FLO HERBICIDE from the foliage to the soil surface. RONSTAR® FLO HERBICIDE must not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of RONSTAR® FLO HERBICIDE. Do not apply in greenhouses as plant injury may result from co-distillation of RONSTAR® FLO HERBICIDE active ingredient onto leaf surfaces in condensation. The maximum amount of product allowed per year is 1.85 fl. oz of product per 1000 sq. ft. (0.63 gallons of product per acre per year) (equivalent to 2 pounds ai/A/year).

RONSTAR® FLO HERBICIDE at 1.85 to 2.8 fl oz per 1000 sq. ft. is effective in controlling annual grasses and broadleaf weeds such as:

ANNUAL BROADLEAF WEEDS			
Bittercress	( <i>Cardamine</i> spp.)	*Liverwort	( <i>Marchantia</i> spp.)
Bristly Oxtongue†	( <i>Picris echioides</i> )	Oxalis	( <i>Oxalis</i> spp.)
Carpetweed	( <i>Mollugo verticillata</i> )	Pennsylvania Smartweed	( <i>Polygonum pensylvanicum</i> )
Cheeseweed†	( <i>Malva parviflora</i> )	Petty Spurge	( <i>Euphorbia peplus</i> )
*Common Groundsel	( <i>Senecio vulgaris</i> )	*Prostrate Spurge	( <i>Euphorbia supina</i> )
Common Purslane	( <i>Portulaca oleracea</i> )	Redroot Pigweed	( <i>Amaranthus retroflexus</i> )
*Evening Primrose	( <i>Oenothera</i> spp.)	Shepherdspurge†	( <i>Capsella bursa-pastoris</i> )
Fiddleneck†	( <i>Amsinckia intermedia</i> )	Speedwell	( <i>Veronica</i> spp.)
Fireweed†	( <i>Epilobium angustifolium</i> )	Sow Thistle†	( <i>Sonchus oleraceus</i> )
Florida Pusley	( <i>Richardia scabra</i> )	Spotted Catsear	( <i>Hypochaeris radicata</i> )
*Galinsoga	( <i>Galinsoga</i> spp.)	*Swinecress	( <i>Coronopus didymus</i> )
Golden Ragwort	( <i>Senecio aureus</i> )	Yellow Woodsorrel	( <i>Oxalis stricta</i> )
Lambsquarters	( <i>Chenopodium album</i> )		
ANNUAL GRASSES			
Annual Bluegrass†	( <i>Poa annua</i> )	Fall Panicum	( <i>Panicum dichotomiflorum</i> )
Annual Sedge†	( <i>Cyperus compressus</i> )	*Goosegrass	( <i>Eleusine indica</i> )
*Barnyardgrass	( <i>Echinochloa crus-galli</i> )	Green Foxtail	( <i>Setaria viridis</i> )
Carpetgrass	( <i>Axonopus fissifolius</i> )	Ripgut Bromegrass†	( <i>Bromus catharticus</i> )
Crabgrass	( <i>Digitaria</i> spp.)	Wild Oats†	( <i>Avena fatua</i> )

\* **Suppression**  
† **Not currently registered in California for use on Bristly Oxtongue, Cheeseweed, Fiddleneck, Fireweed, Shepherdspurge, Sow Thistle, Annual Bluegrass, Annual Sedge, Ripgut Bromegrass, and Wild Oats**

**PLANT TOLERANCE:** RONSTAR® FLO HERBICIDE can be used as directed spray to the soil surface on a wide variety of container and field grown woody ornamental shrubs, trees, conifers, and herbaceous plants in nurseries. RONSTAR® FLO HERBICIDE may be used as an over the top spray in a minimum of 1 gallon of water per 1000 sq. ft., at the labeled rates, on the following ornamental species only:  
Arboretta, Japanese Barberry, Boxwood, Baby's Breath, Eastern Red Cedar, Cranberry, Hinoki Cypress, Nootka Spound Cypress, Sawara Cypress, Evergreen Euonymus, Douglas Fir\*, Fraser Fir\*, Grand Fir\*, Noble Fir\*, Gladiolas, Canadian Hemlock\*, Chinese Holly, Japanese Holly, Kurogane Holly, Purple Hopseed Bush, Andorra Juniper, Blue Rug Juniper, Common Juniper, Creeping Juniper, Oleander, Ophiopogon, Eastern White Pine, Mugho Pine, Scotch Pine, Raphiolepis, Blue Spruce\*, Statile  
Local conditions may affect the use of this chemical. Consult State Agricultural Experiment Station or Extension Service weed specialists for specific recommendations for local weed problems and for information on possible lower dosages.  
\*Not currently registered for use on Fir, Hemlock, and Blue Spruce in California.  
**LANDSCAPE PLANTINGS:** COMMERCIAL, ROADSIDE, & INDUSTRIAL SITES. Apply RONSTAR® FLO HERBICIDE prior to weed seed germination as an over-the-top spray only on labeled ornamentals.  
**AMOUNT TO USE:** Apply RONSTAR® FLO HERBICIDE broadcast, in a minimum of 1 gallon of water per 1000 sq. ft., to

established ornamentals at 1.85 fl oz of product per 1000 sq. ft. Remove existing weed growth before application. Do not apply within 60 days of transplanting. Do not apply with adjuvants or drift control agents. After application, user must thoroughly irrigate the site as soon as possible on the same day as application.

**CROP TOLERANCE:** RONSTAR® FLO HERBICIDE may be used as an over-the-top spray on the following ornamental species only: Large Leaf Ice Plant, English Ivy, Algerian Ivy, African Trailing Daisy, Common Periwinkle, Bigleaf Periwinkle.

**TANK-MIX COMBINATIONS:** Ornamental Plantings and Noncropland areas:

Tank-mix combinations of RONSTAR® FLO HERBICIDE plus a non-selective herbicide may be used to control existing undesirable vegetation. Applied as a directed spray, RONSTAR® FLO HERBICIDE plus a non-selective herbicide will provide pre and postemergence control of susceptible species listed on the respective labels of the herbicides.

A compatibility test must be conducted with any potential tank mix partner with RONSTAR® FLO HERBICIDE. Using a clear glass quart jar, conduct the test as described below:

1. Fill the jar three-quarters full with water
2. Add the appropriate amount of herbicide in the following order: (a) dry flowable, (b) wettable powder, (c) aqueous suspensions, (d) flowables, (e) liquids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to thoroughly mix.
3. After adding all ingredients, let the mixture stand for 15 minutes and then look for separation, large flakes, precipitates, gels, and heavy oily film on the jar or other signs of incompatibility.

4. If the compatibility test shows signs of incompatibility, do not tank mix the product tested with RONSTAR® FLO HERBICIDE.

**MIXING INSTRUCTIONS:** RONSTAR® FLO HERBICIDE must be added to the tank and agitated prior to introduction of a non-selective herbicide. Please refer to the non-selective herbicide label for information on surfactant and spray volume to use. Only mix the amount of spray needed for immediate application needs as settling can occur if spray mixture is allowed to sit over an extended period of time.

**PRECAUTION:** Non-selective herbicides are not recommended as an over-the-top spray in ornamentals. Extreme care must be exercised to avoid contact of spray containing a non-selective herbicide with foliage, stems, green bark, or bare roots of desirable turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or destruction may result. If spraying areas adjacent to desirable plants with a non-selective herbicide, use a shield made of cardboard, sheet metal, or plywood while spraying to help prevent spray from contacting foliage of desirable plants.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Do not store in or around the home.

### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying).

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Offer for recycling, if available or reconditioning; or puncture and disposed of 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, Conditions, Disclaimer of Warranties and Limitations 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 Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Environmental Science U.S., LLC. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Environmental Science U.S., LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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**PRODUCED FOR**  
Environmental Science U.S., LLC  
5000 CentreGreen Way, Suite 400  
Cary, NC 27513

# RESTRICTED USE PESTICIDE

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

# RONSTAR®

## Flo Herbicide

Preemergence Herbicide for the Control of Annual Grasses and Broadleaf Weeds In Turf and Ornamentals Including Landscape Ornamental Beds by a Certified Applicator.

For sale to and use by Certified Applicators only. Not for sale to or use by homeowners/consumers. Not for Use in Turfgrass on Residential Properties.

FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY, TURF AND LANDSCAPE PERSONNEL ONLY. NOT FOR USE ON HOME LAWNS.

### ACTIVE INGREDIENT:

Oxadiazon [2-tert-butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-Δ-1, 3, 4-oxadiazolin-5-one]..... 34.1%

OTHER INGREDIENTS: ..... 65.9%

TOTAL ..... 100.0%

This product contains 3.17 lb ai/gallon

EPA Reg. No. 101563-125 EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Panel for First Aid Instructions and Leaflet for Complete Precautionary Statements and Directions for Use.

For **MEDICAL** and **TRANSPORTATION** Emergencies  
**ONLY Call 24 Hours A Day 1-800-424-9300**  
For **PRODUCT USE** Information Call 1-800-331-2867

### FIRST AID

<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 a poison control center or doctor.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eyes 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.</li><li>• Call a poison control center or doctor for treatment advice.</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>

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

### ENVIRONMENTAL HAZARDS

For terrestrial use, 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This pesticide is toxic to oysters and shrimp. RONSTAR® FLO must 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.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Do not store in or around the home.

### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying).

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Offer for recycling, if available or reconditioning; or puncture and disposed of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Ronstar® is a registered trademark of Bayer.

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Net Contents  
**2.5 Gallons**

PRODUCED FOR  
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Cary, NC 27513

(01)08101121002910