



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

May 7, 2024

Ben Miller
Regulatory Program Manager
J.R. Simplot Company
1099 W. Front St.
P.O. Box 70013
Boise, ID 83707-0113

Subject: Label Amendment - Registration Review Mitigation for Oxadiazon
Product Name: Turf Fertilizer with 0.86% Ronstar
EPA Registration Number: 95428-1
Application Date: June 22, 2022
Decision Number: 585410

Dear Ben Miller:

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,

A handwritten signature in dark ink, appearing to read "Kevin Costello", is positioned above the typed name and title.

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 Risk of Concerns (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 THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

OXADIAZON	GROUP	14	HERBICIDE
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Turf Fertilizer with 0.86% RONSTAR®

Not for Use in Turfgrass on Residential Properties.

Selective, preemergent herbicide for the control of annual grasses and broadleaf weeds in Turf and woody Ornamental shrubs, vines and trees.

ACTIVE INGREDIENT:

Oxadiazon [2-tert-butyl-4-(2,4 dichloro-5-isopropoxyphenyl)-Δ-1,3,4-oxadiazolin-5-one] 0.86%

OTHER INGREDIENTS: 99.14%

TOTAL: 100.0%

EPA Reg. No. 95428-1

EPA EST. NO. 90561-NC-001 (N)

RONSTAR® IS A GRANULAR HERBICIDE.

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

ACCEPTED

May 07, 2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 95428-1

FIRST AID

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 mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
If in eyes	- 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. - 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.

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

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-800-331-2867

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes skin irritation. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. **DO NOT** get on skin or on clothing. Avoid contact with eyes. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators, and other handlers must wear:

- Coverall over short-sleeved shirt and short pants.
- Chemical-resistant footwear plus socks.
- Waterproof gloves.
- When cleaning equipment wear a chemical-resistant apron.

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 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.

User Safety Recommendations

- 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 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. TURF FERTILIZER WITH 0.86% RONSTAR® 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.

DO NOT use in areas where endangered Hawaiian Goose or nene (*Branta sandvicensis*), Hawaiian duck (*Anas wyvilliana*), Hawaiian Stilt (*Himantopus mexicanus knudseni*), and Hawaiian Moorhen (*Gallinula chloropus sandvicensis*) may feed.

This Product 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.

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, shoes plus socks and 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, and nurseries. Applicators and handlers should wear long-sleeved shirt, long pants, waterproof gloves, shoes and socks and protective eyewear. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Launder exposed clothing before reuse, **DO NOT** allow reentry to treated areas until dust has settled and the turfgrass and soil is dry.

WEED-RESISTANCE MANAGEMENT

For resistance management, TURF FERTILIZER WITH 0.86% RONSTAR® contains the active ingredient Oxadiazon, a Group 14 Herbicide as determined by the mode of action (MOA) classification system of the Weed Science Society of America. Any weed population may contain or develop plants naturally resistant to TURF FERTILIZER WITH 0.86% RONSTAR® 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. Continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

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

- Rotate the use of TURF FERTILIZER WITH 0.86% RONSTAR® and 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.
- Adopt an integrated weed-management program for herbicide use that includes:
 - Scouting and uses historical information related to herbicide use and crop rotation, and
 - Consideration of tillage (or other mechanical control methods), and
 - Cultural (e.g., higher crop seeding rates), and
 - Precision fertilizer application method and timing to favor the crop and not the weeds), and
 - Biological (weed-competitive crops or varieties) and other management practices.
- Scout fields prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.
- Scout fields after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
 - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds, or
 - A spreading patch of non-controlled plants of a particular weed species or,
 - Surviving plants mixed with controlled individuals of the same species.
- If resistance is suspected, prevent weed seed production in the affected area by using 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 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.
- Report any incidence of local non-performance of this product against a particular weed species to your J.R. Simplot representative at 800-635-9444

BEST MANAGEMENT PRACTICES

Proactively develop and implement diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides. A diversified program may include the use of herbicides with different modes of action along with cultural , mechanical, and/or biological management practices. Best management practices include the following:

- To the extent possible, use a diversified approach toward weed management. Whenever possible incorporate multiple weed-control practices such as mechanical cultivation, biological management practices, and crop rotation.
- Plant into weed-free fields, and keep fields as weed-free as possible.
- Identify weeds present in the fields through scouting and field history, and understand their biology. The weed-control program should consider all the weeds present. Apply the herbicide at the correct timing and rate needed to control the most difficult weed in the field.
- Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative modes of action (MOA) or different management practices.
- Difficult to control weeds may require sequential applications of herbicides with different MOA's.
- Prevent field-to-field and within-field movement of weed seed or vegetative propagules. Thoroughly clean plant residues from equipment before leaving fields.
- To the extent possible do not allow weed escapes to produce seeds, roots or tubers. Manage weed seeds at harvest and post-harvest to prevent a buildup of the seed seedbank.
- If resistance is suspected, treat weed escapes with a herbicide with a different MOA than those in this product or use non-chemical methods to remove escapes.

PRODUCT INFORMATION

TURF FERTILIZER WITH 0.86% RONSTAR® is a selective, preemergent herbicide for control of many annual grasses and broadleaf weeds in turf and on a wide variety of woody ornamental shrubs, vines, and trees. TURF FERTILIZER WITH 0.86% RONSTAR® controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply TURF FERTILIZER WITH 0.86% RONSTAR® 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.

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

USE RESTRICTIONS FOR ALL USE SITES

- **DO NOT** apply TURF FERTILIZER WITH 0.86% RONSTAR® through any type of irrigation system.
- **DO NOT** allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.
- The minimum retreatment interval (RTI) between applications is 60 days.
- **DO NOT** use on home lawns.
- **DO NOT** apply to wet turf.
- 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.

TURF

For use in established perennial Bluegrass, Bentgrass, Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysia turf; including, fairways, parks, golf courses, and lawns. Rake turf area free of leaves, mowing if necessary, so granules reach soil surface. Measure area to be treated and uniformly apply required amount, using a fertilizer spreader. Cross-treating with one-half required amount in each direction will give best results. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

PREEMERGENT WEED CONTROL

	AMOUNT OF TURF FERTILIZER WITH 0.86% RONSTAR®		
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	APPLICATION INSTRUCTIONS
Crabgrass (<i>Digitaria spp.</i>) Goosegrass (<i>Eleusine indica</i>) Field Sandbur (<i>Cenchrus incertus</i>) Annual Sedge (<i>Cyperus compressus</i>)	233 to 349 lbs. (2.0 to 3.0 lbs. a.i./A)	5.34 to 8.01 lbs. (.12 to .18 lbs. a.i.)	Apply in late winter or early spring prior to seed germination. Application made after March or April may not be fully effective.
Annual Bluegrass (<i>Poa Annua spp.</i>) (See note below)	233 to 349 lbs. (2.0 to 3.0 lbs. a.i./A)	5.34 to 8.01 lbs. (.12 to .18 lbs. a.i.)	Apply in late summer to early fall prior to seed germination.
Virginia Buttonweed (<i>Diodia virginiana</i>) Pigweed (<i>Amaranthus spp.</i>) Florida Pusley (<i>Richardia scabra</i>) Oxalis (<i>Oxalis spp.</i>) Stinging Nettle (<i>Urtica dioica</i>) Carpetgrass (<i>Axonopus offinis</i>)	349 lbs. (3.0 lbs. a.i./A)	8.01 lbs. (.18 lbs. a.i.)	Apply in early spring prior to seed germination.

FALL APPLICATION FOR SPRING WEED CONTROL IN COOL SEASON TURF

	AMOUNT OF TURF FERTILIZER WITH 0.86% RONSTAR®		
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	APPLICATION INSTRUCTIONS
Crabgrass, Goosegrass and other annual weeds	349 lbs. (3.0 lbs. a.i./A)	8.01 lbs. (.18 lbs. a.i.)	For use in Bluegrass, Bentgrass, Perennial Ryegrass and Tall Fescue turf. Make application in the fall after turf has become dormant. For late, fall applications, seeding into treated areas must be delayed until 4 months after greenup.

ANNUAL BLUEGRASS CONTROL IN BERMUDAGRASS FAIRWAYS OVERSEEDED WITH PERENNIAL RYEGRASS ONLY

	AMOUNT OF TURF FERTILIZER WITH 0.86% RONSTAR®		
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	APPLICATION INSTRUCTIONS
Annual Bluegrass (<i>Poa annua sp</i>) See Note below	233 lbs. (2.0 lbs. a.i./A)	5.34 lbs. (.12 lbs. a.i.)	Apply in late summer to early fall prior to <i>Poa annua sp</i> seed germination. Any <i>Poa annua sp</i> established when this product is applied will not be controlled. TURF FERTILIZER WITH 0.86% RONSTAR® will only control the <i>Poa annua sp</i> that is established from seed every year. RESTRICTION <u>TURF FERTILIZER WITH 0.86% RONSTAR® must be applied no closer than 60 days prior to overseeding.</u> NOTE: DO NOT use where <i>Poa trivialis</i> is present in overseed mix.

NOTE: In many areas, annual bluegrass exists as at least two biotypes or subspecies of *Poa annua*. The true annual biotype is *Poa annua sp annua* which germinates every year from seed, while the biotype that behaves like a perennial is *Poa annua sp reptans*. This perennial biotype can survive through the summer and established plants will not be controlled by this product. Consult the extension service or University weed specialists in your area for more information

ANNUAL WEED CONTROL DURING BERMUDAGRASS, ZOYSIAGRASS, SEASHORE PASPALUM, AND TROPIC LALO (*Paspalum Hieronymii*) ESTABLISHMENT FROM SPRIGS

	AMOUNT OF TURF FERTILIZER WITH 0.86% RONSTAR®		
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	APPLICATION INSTRUCTIONS
Crabgrass, Goosegrass, Annual Sedge, and other annual weeds	233 to 349 lbs. (2.0 to 3.0 lbs. a.i./A)	5.34 to 8.01 lbs. (.12 to .18 lbs. a.i.)	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 TURF FERTILIZER WITH 0.86% RONSTAR® application may disrupt the herbicide barrier and reduce effectiveness.

USE RESTRICTIONS ON TURF

- For St. Augustinegrass and Bentgrass turf, **DO NOT** exceed the rate of 349 pounds per acre per application (3.00 pounds active ingredient) of TURF FERTILIZER WITH 0.86% RONSTAR®.
- **DO NOT** apply to Bentgrass turf mowed at less than 3/8 inch.
- **DO NOT** apply TURF FERTILIZER WITH 0.86% RONSTAR® to newly seeded areas.
- **DO NOT** apply to Dichondra or Centipedegrass.
- **DO NOT** apply TURF FERTILIZER WITH 0.86% RONSTAR® to putting greens or trees because of the varying cultural practices used.
- **DO NOT** use more than the maximum application rate allowed per year of 698 pounds of product per acre per year (equivalent to 6 pounds ai/A/year).
- **DO NOT** exceed a single application rate of 349 pound of product per acre (equivalent to 3.0 pounds ai/A).
- On golf course turf only: In areas of heavy weed infestations only. **DO NOT** use more than the maximum single application rate of 465 pounds of product (equivalent to 4 lbs ai/A), and **DO NOT** use more than the maximum annual application rate of 930 pounds of product (equivalent to 8 lbs ai/A) per year.
- **DO NOT** make subsequent applications of this product within 60 days after treatment (Re-treatment Interval (RTI)).
- For applications on non-agricultural turf (e.g., golf courses, parks, athletic fields) that follow a liquid application. **DO NOT** apply TURF FERTILIZER WITH 0.86% RONSTAR® until 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), **DO NOT** apply this product prior to any liquid applications of oxadiazon within the same calendar year on the same area of turf.
- On golf course turf only: **DO NOT** apply oxadiazon of all physical forms to more than 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 **DO NOT** treat within 10 feet of any surface water features. A minimum 10-foot-wide untreated vegetative buffer must be maintained between the treated area and any surface water features.

PRECAUTIONS

- TURF FERTILIZER WITH 0.86% RONSTAR® may cause discoloration of Bentgrass, Bermudagrass and St. Augustinegrass. This discoloration is temporary and normally outgrown within 2 to 3 weeks.
- Seeding into treated areas must be delayed until 4 months after treatment except as noted above. To avoid possible damage, avoid contact with flowers and shrubs except as stated elsewhere on this label.
- When making applications to Tropic Lalo, applications must be made 0 – 12 days after sprigging.

WOODY ORNAMENTAL SHRUBS, VINES, TREES, AND CONIFER NURSERY APPLICATION

Apply TURF FERTILIZER WITH 0.86% RONSTAR® anytime during the year, prior to weed seed germination, for weed control. TURF FERTILIZER WITH 0.86% RONSTAR® can be applied to both newly transplanted and established ornamentals. Application can be made to actively growing or dormant ornamentals. Rainfall or overhead irrigation after application of TURF FERTILIZER WITH 0.86% RONSTAR® will improve weed control activity. TURF FERTILIZER WITH 0.86% RONSTAR® must not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of TURF FERTILIZER WITH 0.86% RONSTAR®. After application, user must thoroughly irrigate the site as soon as possible on the same day of application.

RESTRICTIONS

- **DO NOT** apply to wet foliage or under conditions in which granules will collect on leaves.
- **DO NOT** apply in greenhouses as plant injury may result from codistillation of TURF FERTILIZER WITH 0.86% RONSTAR® active ingredient onto leaf surfaces in condensate.
- **DO NOT** use this product in Conifer Nurseries in California.
- **DO NOT** use more than the maximum application rate allowed per year of 698 pounds of product per acre per year (equivalent to 6 pounds ai/A/year).
- **DO NOT** exceed a single application rate of 349 pounds of product per acre (equivalent to 3.0 pounds ai/A).
- **DO NOT** make subsequent applications of this product within 60 days after treatment (Re-treatment Interval (RTI)).

AMOUNT TO USE

Ground Application -- Apply TURF FERTILIZER WITH 0.86% RONSTAR® broadcast to ornamentals at 233 to 349 pounds of product per acre (2.0 – 3.0 lbs ai/A) per application (or 5.34 to 8.01 lbs per 1,000 sq. ft.) depending on the weeds to be controlled, as listed below. Remove existing weed growth before application.

ANNUAL BROADLEAF WEEDS		ANNUAL GRASSES	
Bittercress	(<i>Cardamine sp</i>)	Annual Bluegrass	(<i>Poa annua</i>)
*** Bristly Oxtongue	(<i>Picris echinoides</i>)	*** Annual Sedge	(<i>Cyperus compressus</i>)
Carpetweed	(<i>Mollugo verticillata</i>)	* Barnyardgrass	(<i>Echinochloa crus-galli</i>)
*** Cheeseweed	(<i>Malva parviflora</i>)	*** Bristly Foxtail	(<i>Setaria verticillata</i>)
Common Groundsel	(<i>Senecio vulgaris</i>)	Crabgrass	(<i>Digitaria spp.</i>)
Common Purslane	(<i>Portulaca oleracea</i>)	Fall Panicum	(<i>Panicum dichotomiflorum</i>)
* Evening Primrose	(<i>Oenothera sp</i>)	Green Foxtail	(<i>Setaria viridis</i>)
*** Fiddleneck	(<i>Amsinckia intermedia</i>)	Goosegrass	(<i>Eleusine indica</i>)
*** Fireweed	(<i>Epilobium angustifolium</i>)	** Jungle Ricegrass	(<i>Echinochloa colonum</i>)
* Galinsoga	(<i>Galinsoga sp</i>)	** Panama Paspalum	(<i>Paspalum fimbriaatum</i>)
*** Garden Spurge	(<i>Euphorbia hirta</i>)	*** Ripgut Bromegrass	(<i>Bromus catharticus</i>)
Golden Ragwort	(<i>Senecio aureus</i>)	*** Wild Oats	(<i>Avena fatua</i>)
Lambsquarters	(<i>Chenopodium album</i>)		
** Liverwort	(<i>Marchantia sp</i>)		
*** Niruri	(<i>Phyllanthus niruri</i>)		
Pennsylvania Smartweed	(<i>Polygonum pennsylvanicum</i>)		
Petty Spurge	(<i>Euphorbia peplus</i>)		
** Prostrate Spurge	(<i>Euphorbia supina</i>)		
Redroot Pigweed	(<i>Amaranthus retroflexus</i>)		
*** Shepherdspurse	(<i>Capsella bursa-pastoris</i>)		
*** Sensitive Plant	(<i>Mimosa pudica</i>)		
Sow Thistle	(<i>Sonchus oleraceus</i>)		
Speedwell	(<i>Veronica sp</i>)		
*** Spiny Amaranth	(<i>Amaranthus spinosus</i>)		
Spotted Catsear	(<i>Hypochaeris radicata</i>)		
* Swinecress	(<i>Coronopus didymus</i>)		
Yellow Woodsorrel	(<i>Oxalis stricta</i>)		

*Use 233 to 349 pounds (2.0 to 3.0 pounds of active ingredient) per acre for less susceptible weeds.

**Use 349 pounds (3.0 pounds of active ingredient) per acre for less susceptible weeds.

***California Restriction-Not registered for use on this plant in California.

How to Calibrate Spreaders for Applications of TURF FERTILIZER WITH 0.86% RONSTAR®

SPREADER SETTINGS

The following spreader settings (shown below) are settings listed on each specific spreader. They are for new equipment. Used, or heavily worn equipment may require adjustments. For proper setting calibration refer to the spreader manufacturer's Maintenance Manual. **DO NOT** apply this product until equipment is properly calibrated to accurately apply the desired lbs. a.i. per acre, as specified on this label.

Spreader Settings	for 2 lb. a.i./Acre	for 3 lb. a.i./Acre	for 4 lb. a.i./Acre
Cyclone B3-Pro	# 3.25	# 3.75	# 4.5
Scotts Pro R-8A	# I+	# J	# K
Plan on an approximate 3 mph spreader speed to obtain best coverage. Know the exact square footage before application. Incorrect application will result in poor weed control.			

CROP RESISTANCE

TURF FERTILIZER WITH 0.86% RONSTAR® is for use on a wide variety of ornamental species and ground covers in container, field grown, and landscape planting situations. TURF FERTILIZER WITH 0.86% RONSTAR® may be used at the rates on the following species.

RESTRICTION: For use only on plants that will not bear edible fruit within 12 months of TURF FERTILIZER WITH 0.86% RONSTAR® application as marked with an * below.

ESTABLISHED ORNAMENTALS AND GROUND COVERS

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Abutilon	<i>Abutilon pictum</i>	Citrus, Ornamental*:	
Acacia	<i>Acacia sp</i>	Grapefruit	<i>Citrus paradisi</i>
Agapanthus	<i>Agapanthus africanus</i>	Lemon	<i>Citrus limon</i>
Allamanda, Common	<i>Allamanda cathartica</i>	Lime	<i>Citrus aurantifolia</i> Bearss
Alpine Willow	<i>Epilobium fleischeri</i>	Mandarin	<i>Citrus reticulata</i>
Andromeda	<i>Pieris sp</i>	Tangelo	<i>Citrus XTangelo</i> Minneola
Anthuriums (Ozaki Red)		Tangerine	<i>Citrus reticulata</i> var. <i>tangerina</i>
Apache Plume	<i>Fallugia paradoxa</i>	Temple	<i>Citrus Xnobilis</i> Temple
Aralia	<i>Aralia spinosa</i>	Cuban Shaddock	<i>Citrus maxima</i>
Arborvitae	<i>Thuja sp</i>	Valencia	<i>Citrus sinensis</i>
Ash, Green	<i>Fraxinus pennsylvanica</i>	Washington Navel	<i>Citrus sinensis</i>
Azalea	<i>Rhododendron sp</i>	Cleyera**	<i>Cleyera japonica</i>
Baby's Breath**	<i>Gypsophila paniculata</i>	Coreopsis**	<i>Coreopsis lanceolata</i>
Bald Cypress**	<i>Takodium distichum</i>	Coromandel	<i>Asystasia gangentica</i>
Bamboo, Feathery	<i>Bambusa vulgaris</i>	Cotoneaster	<i>Cotoneaster sp</i>
Banyan, Weeping	<i>Ficus benghalensis</i>	Crabapple(*) (**)	<i>Malus sp</i>
Barberry	<i>Berberis sp</i>	Crapemyrtle	<i>Lagerstroemia indica</i>
Beafsteak plant	<i>Acalypha wilkesiana</i>	Creeping Phlox	<i>Phlox subulata</i>
Bearberry	<i>Arctostaphylos uva-ursi</i>	Chrysanthemum	<i>Chrysanthemum sp</i>
Beech, European	<i>Fagus sylvatica</i>	Cypress	<i>Cupressus sp</i>
Birch, Paper	<i>Betula papyrifera</i>	Cypress, Leyland	<i>Cupressocyparis leylandii</i>
Blanket Flower**	<i>Gaillardia aristata</i>	Dahlia**	<i>Dahlia sp</i>
Blazing Star**	<i>Liatris spicata</i>	Daphne, Fragrant	<i>Daphne odora</i>
Boxwood, Japanese	<i>Buxus microphylla</i>	Deutzia, Slender	<i>Deutzia gracilis</i>
Boxwood, Common	<i>Buxus sempervirens</i>	Dieffenbachia**	<i>Dieffenbachia sp</i>
Bougainvillea	<i>Bouganvillea spectabilis</i>	Dogwood, Common	<i>Cornus florida</i>
Brassaia, Dwarf	<i>Brassaia actinophylla</i>	Dogwood, Redosier	<i>Cornus stolonifera</i>
Buddleia	<i>Buddleia davidii</i>	Dogwood, Kousa	<i>Cornus kousa</i>
Bugleflower**	<i>Ajuga reptans</i>	Douglas fir	<i>Pseudotsuga menziesii</i>
Callistemon	<i>Callistemon lanceolatus</i>	Elm	<i>Ulmus sp</i>
Camellia, Common, Japanese	<i>Camellia japonica</i>	Escallonia	<i>Escallonia sp</i>
Camellia, Sasanqua	<i>Camellia sasanqua</i>	Eucalyptus	<i>Eucalyptus sp</i>
Candytuft	<i>Iberis sempervirens</i>	Euryops, Gray Leaved	<i>Euryops pectinatus</i>
Carissa	<i>Carissa macrocarpa</i>	Euonymus, Spreading	<i>Euonymus kiautschovicus</i>
Carnation	<i>Dianthus caryophyllus</i>	Euonymus, Wintercreeper	<i>Euonymus fortunei</i>
Ceanothus	<i>Ceanothus americanus</i>	Falsecypress, Hinoki	<i>Chaemaecyparis obtusa</i>
Cedar, Red	<i>Juniperus virginia</i>	Falsecypress, Japanese	<i>Chaemaecyparis pisifera</i>
Cedar, Atlas	<i>Cedrus atlantica</i>	Flowering Quince*	<i>Chaenomeles speciosa</i>
Cistus	<i>Cistus purpureus</i>	Forsythia	<i>Forsythia intermedia</i>
		Fountain Grass	<i>Pennisetum alopecuroides</i>
		Gardenia	<i>Gardenia jasminoides</i>
		Gazania, Trailing	<i>Gazania uniflora leucoleana</i>
		Ginko*	<i>Ginkgo biloba</i>

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ESTABLISHED ORNAMENTALS AND GROUND COVERS (con't)

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>		
Gladiolas**		Metallic Plant	<i>Hemigraphis colorata</i>
Golden Raintree**	<i>Koelreuteria paniculata</i>	Mexican Orange**	<i>Choisya ternate</i>
Heath, Spring	<i>Erica carnea</i>	Mock Orange**	<i>Philadelphus virginialis</i>
Heather, Scotch	<i>Calluna vulgaris</i>	Money Tree	<i>Pleomele marginata</i>
Heliotropium	<i>Heliotropium arborescens</i>	Murraea	<i>Murraea exotica</i>
Hemlock, Canada	<i>Tsuga canadensis</i>	Murraea	<i>Murraea paniculata</i>
Hibiscus	<i>Hibiscus sp</i>	Myoporum	<i>Myoporum laetum</i>
Honeysuckle	<i>Lonicera sp</i>	Myrtle	<i>Myrtus communis</i>
Holly	<i>Ilex sp</i>	Nandina	<i>Nandina domestica</i>
Ice Plant	<i>Carpobrotus edule</i>	Oak	<i>Quercus sp</i>
Ilima	<i>Sida fallax</i>	Ochana	<i>Ochana serrulata</i>
Ivy, Algerian	<i>Hedera canariensis</i>	Ohai	<i>Samanea saman</i>
Ivy, English	<i>Hedera helix</i>	Oleander	<i>Nerium oleander</i>
Jasmine, Orange	<i>Murraya paniculata</i>	Orthosiphon	<i>Orthosiphon stamineus</i>
Jasmine, Primrose	<i>Jasminum mesnyi</i>	Osmanthus	<i>Osmanthus heterophyllus</i>
Jasmine, Star	<i>Trachelospermum jasminoides</i>	Pachysandra	<i>Pachysandra terminalis</i>
Jasmine, Showy	<i>Jasminum floridum</i>	Palm, Bamboo	<i>Rhapi excelsa</i>
Juniper	<i>Juniperus sp</i>	Palm, Fishtail	<i>Caryota sp</i>
Justica	<i>Justica brandegeana</i>	Palm, Licuala	<i>Licuala Thunb. sp</i>
Kwanzan Cherry**	<i>Prunus serrulata</i>	Palm, Macarthur	<i>Ptychosperma marcarthurii</i>
Lamb's Ear**	<i>Stachys byzantina</i>	Palm, Manac	<i>Euterpe sp</i>
Lantana, Trailing	<i>Lantana montevidensis</i>	Palm, Manila	<i>Veitchia merillii</i>
Lapalapa	<i>Cheirodendron sp</i>	Palm, Parlor	<i>Collinia elegans</i>
Larch, European	<i>Larix decidua</i>	Palm, Rattan	<i>Daemonorops spp</i>
Laurel, English	<i>Prunus laurocerasus</i>	Palm, Sealing Wax	<i>Cytrostachuys lakka</i>
Leopards – Bane**	<i>Doronicum cordatum</i>	Palm, Sugar	<i>Arenga saccharifera</i>
Leucothoe, Coast	<i>Leucothoe axillaris</i>	Paperbark Tree**	<i>Melaleuca leucadendra</i>
Leucothoe, Drooping	<i>Leucothoe fontanesia (catesbaei)</i>	Peony**	<i>Poeonia sp</i>
Lily of the Nile	<i>Agapanthus umbellatus</i>	Periwinkle, Common	<i>Vinca minor</i>
Lilac	<i>Syringa sp</i>	Periwinkle, Large	<i>Vinca major</i>
Littleleaf Linden**	<i>Tilia cordata</i>	Photinia, Frasier's	<i>Photinia fraseri</i>
Little Pickles	<i>Othonna capensis</i>	Poinciana	<i>Delonix regea</i>
Loquat*	<i>Eriobotrya japonica</i>	Pine	<i>Pinus sp</i>
Magnolia	<i>Magnolia sp</i>	Pittosporum, Japanese	<i>Pittosporum tobira</i>
Mahonia, Grape Holly	<i>Mahonia aquifolium</i>	Plum, Natal*	<i>Carissa macrocarpa</i>
Maple	<i>Acer sp</i>	Podocarpus, Yew	<i>Podocarpus macrophylla</i>
		Pomegranite*	<i>Punica granatum</i>

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ESTABLISHED ORNAMENTALS AND GROUND COVERS (con't)

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Poplar	<i>Populus sp</i>	Smith Buckthorn	<i>Rahmnus smithii</i>
Potentilla	<i>Potentilla fruticosa</i>	Speedwell	<i>Veronica spicata</i>
Potentilla	<i>Potentilla fragiformis</i>	Spruce	<i>Picea sp</i>
Privet	<i>Ligustrum sp</i>	Statice**	<i>Limonium sp</i>
Protea species	<i>Banksia menziesii</i>	St.Johnswort, Golden	<i>Hypericum frondosum</i>
	<i>Leucadendron discolor</i>	St.Johnswort, Gokdencup	<i>Hypericum patulum</i>
	<i>Leucospermum cordifolium</i>	Strawberry Tree	<i>Arbutus unedo</i>
	<i>Protea exinia</i>	Sumac, Staghorn	<i>Rhus typhina</i>
Pyracantha	<i>Pyracantha coccinea</i>	Sweet William**	<i>Dianthus barbatus</i>
Raphiolepis	<i>Raphiolepis umbellata</i>	Syzygium	<i>Syzygium paniculatum</i>
Redwood, Dawn	<i>Metasequoia glyptostroboides</i>	Trailing African Daisy	<i>Osteospermum fruticosum</i>
Rhododendron	<i>Rhododendron sp</i>	Viburnum	<i>Viburnum sp</i>
Rose	<i>Rosa sp</i>	Wedelia	<i>Wedelia trilobata</i>
Russian Olive	<i>Eleagnus angustifolia</i>	Wisteria, Chinese**	<i>Wisteria synensis</i>
Sargent Cherry **	<i>Prunus sargentii</i>	Witchhazel, Common**	<i>Hamamelis virginiana</i>
Scotch Broom	<i>Cytisus scoparius</i>	Woadwaxen, Common**	<i>Genista tinctoria</i>
Sedum	<i>Sedum album</i>	Wooly Thyme**	<i>Thymus pseudolanugiosis</i>
Serviceberry, Saskatoon(*) (**)	<i>Amelanchier alnifolia</i>	Xylosma	<i>Xylosma congestum</i>
Silver Butterfly Bush	<i>Buddleia alternifolia</i>	Yellow Foxglove	<i>Digitalis x mertonensis</i>
		Yew**	<i>Taxus sp</i>

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NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Blanket Flower **	<i>Gaillardia aristata</i>	Metallic Plant	<i>Hemigraphis colorata</i>
Brassaia, Dwarf	<i>Brassia actinophylla</i>	Oak	<i>Quercus sp</i>
Camellia	<i>Camellia japonica</i>	Periwinkle, Common	<i>Vinca minor</i>
Carnation	<i>Dianthus caryophyllus</i>	Periwinkle, Large	<i>Vinca major</i>
Cedar, Red	<i>Juniperus atlantica</i>	Pine	<i>Pinus sp</i>
Coromandel **	<i>Asystasia gargentica</i>	Poplar	<i>Populus sp</i>
Dogwood, Flowering	<i>Cornus florida</i>	Privet	<i>Ligustrum sp</i>
Elm	<i>Ulmus sp</i>	Protea Species	<i>Banksia menziesii</i> <i>Leucadendron discolor</i> <i>Leucospermum cordifolium</i> <i>Protea eximia</i>
Forsythia	<i>Forsythia intermedia</i>	Rhododendron	<i>Rhododendron sp</i>
Gazania, Trailing	<i>Gazania uniflora leucoleana</i>	Russian Olive	<i>Eleagnus angustifolia</i>
Hackberry	<i>Celtis occidentalis</i>	Spruce	<i>Picea sp</i>
Ivy, Algerian	<i>Hedera canariensis</i>	Trailing African Daisy	<i>Osteospermum fruticosum</i>
Ivy, English	<i>Hedera helix</i>	Wedelia	<i>Wedelia trilobata</i>
Hemlock, Canada	<i>Tsuga canadensis</i>	Wisteria, Chinese **	<i>Wisteria sinensis</i>
Holly	<i>Ilex sp</i>	Yew **	<i>Taxus sp</i>
Ice Plant	<i>Carpobrotus edule</i>		
Juniper	<i>Juniperus sp</i>		
Leopards – Bane **	<i>Doronicum cordatum</i>		

FOREST NURSERY APPLICATION

Seedlings of the following species can be treated with TURF FERTILIZER WITH 0.86% RONSTAR® when at least 4 weeks old after seedlings emergence:

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Pine, Loblolly	<i>Pinus taeda</i>
Pine, Eastern White	<i>Pinus strobus</i>
Pine, Slash	<i>Pinus caribaea</i>

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SENSITIVE VARIETIES

Under certain growing conditions, the plant varieties listed below may be sensitive to TURF FERTILIZER WITH 0.86% RONSTAR.®
Growers must evaluate usage on a small scale prior to large scale applications.

<u>PLANT SPECIES</u>	<u>VARIETIES</u>
Andromeda (<i>Pieris japonica</i>)	Snowdrift, Temple Bell
Azalea	Pink Champagne, Hershey, (<i>Rhododendron sp</i>), Leuchtenfuer, Memoire John Hearrens, Hino-Crimson, White Grandeur, Everest, Girard Roberta
Cotoneaster	Eichholz, Himalayan, Shangri-la (<i>Cotoneaster sp</i>)
Crapemyrtle (<i>Lagerstroemia indica</i>)	Petite Red Imp, Seminole Bush
Heath, Spring (<i>Erica carnea</i>)	Mediterranean Pink
Hemlock, Canada (<i>Tsuga canadensis</i>)	Pendula
Hibiscus (<i>Hibiscus syriacus</i>)	Red Heart
Rhododendron	Daphnoides, Nova Zembla, (<i>Rhododendron sp</i>), Catawba Album
Spruce, Norway (<i>Picea abies</i>)	Pumila
Spruce, White (<i>Picea glauca</i>)	Densata
Viburnum (<i>Viburnum sp</i>)	Davidii

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

DO NOT contaminate water, food or feed by storage or disposal. **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.** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary land fill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE

DISCLAIMER OF WARRANTIES: J.R. Simplot Company warrants that the composition of this product conforms to the description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use to the extent consistent with applicable law. This warranty is expressly in lieu of all other warranties and representations expressed, implied, or statutory, including warranties of merchantability and fitness for a particular use. Timing, rate and method of application, weather and crop conditions, and mixtures not specified on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees that, in the event of damages resulting from, but not limited to, weather or soil conditions, presence of other materials, or failure to follow label directions, responsibility will be assumed by the buyer or user; and to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

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