



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

7001-7783

Date of Issuance:

12/2/21

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

TURF FERTILIZER WITH 1.0%  
RONSTAR

Name and Address of Registrant (include ZIP Code):

J.R. Simplot Company  
16777 Howland Rd.  
P.O. Box 198  
Lathrop, CA 95330

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Product Manager 24  
Fungicide & Herbicide Branch,  
Registration Division (7505P)

Date:

12/2/21

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 7001-7783.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 10/06/2021
- Alternate CSF 1 dated 10/06/2021

If you have any questions, please contact Francisco Llarena-Arias via email at [llarena-arias.francisco@epa.gov](mailto:llarena-arias.francisco@epa.gov)

Enclosure

# Turf Fertilizer with 1.0% RONSTAR®

**FOR USE BY PROFESSIONAL APPLICATORS ONLY**

**Not for use by homeowners/consumers. 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] ..... 1.0%

**OTHER INGREDIENTS:** ..... 99.0%

**TOTAL:** ..... 100.0%

EPA Reg. No. 7001-xxx

EPA Est. No.

**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**

### FIRST AID

If on skin	<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>
If inhaled	<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>
If in eyes	<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>
If swallowed	<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><b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li><b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>

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**

**ACCEPTED**

12/02/2021

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg. No. 7001-7783

# 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

This pesticide is toxic to fish. **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 1.0% 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.**

### DIRECTIONS FOR USE

**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 chemical-resistant gloves made of any waterproof material.

### 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, chemical resistant 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 1.0% 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 1.0% 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 1.0% 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.

## MANDATORY SPRAY DRIFT

Do not apply when wind speeds exceed 10 miles per hour at the application site.

## DRIFT ADVISORY

WIND: Drift potential usually increases with wind speed. THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

## PRODUCT INFORMATION

TURF FERTILIZER WITH 1.0% 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 1.0% RONSTAR® controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply TURF FERTILIZER WITH 1.0% 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.

For best results, water-in product as soon as practical after application.

## USE RESTRICTIONS

- **DO NOT** apply TURF FERTILIZER WITH 1.0% 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.
- **DO NOT** use more than the maximum application rate allowed per year of 600 pounds of product per acre per year (equivalent to 6 pounds ai/A/year), except in areas where there is heavy weed infestation.
- **DO NOT** exceed a single application rate of 400 pound of product per acre (equivalent to 4 pounds ai/A).
- In areas of heavy weed infestations **DO NOT** use more than the maximum application rate of 800lbs of product (equivalent to 8lbs ai/A) per year.
- **DO NOT** make subsequent applications of this product within 120 days after treatment (Re-treatment Interval (RTI)).
- **DO NOT** exceed 2 applications per year when using reduced application rates.
- **DO NOT** use on home lawns.
- **DO NOT** apply to wet turf.

## 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.

### PREEMERGENT WEED CONTROL

	AMOUNT OF TURF FERTILIZER WITH 1.0% 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> )	200 to 400 lbs. (2.0 to 4.0 lbs. a.i./A)	4.59 to 9.18 lbs. (.11 to .21 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)	200 to 400 lbs. (2.0 to 4.0 lbs. a.i./A)	4.59 to 9.18 lbs. (.11 to .21 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> )	400 lbs. (4 lbs. a.i./A)	9.18 lbs. (.21 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 1.0% RONSTAR®		
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	APPLICATION INSTRUCTIONS
Crabgrass, Goosegrass and other annual weeds	300 to 400 lbs. (3.0 to 4.0 lbs. a.i./A)	6.88 to 9.18 lbs. (.16 to .21 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 1.0% RONSTAR®		
WEEDS CONTROLLED	PER ACRE	PER 1000 SQ. FT.	APPLICATION INSTRUCTIONS
Annual Bluegrass ( <i>Poa annua sp</i> ) See Note below	200 lbs. (2.0 lbs. a.i./A)	4.59 lbs. (.11 lbs. a.i.)	Apply in late summer to early fall prior to <i>Poa annua</i> sp seed germination. Any <i>Poa annua</i> sp established when this product is applied will not be controlled. TURF FERTILIZER WITH 1.0% RONSTAR® will only control the <i>Poa annua</i> sp that is established from seed every year.  <b>RESTRICTION</b> <b><u>TURF FERTILIZER WITH 1.0% RONSTAR® must be applied no closer than 60 days prior to overseeding.</u></b> 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**

WEEDS CONTROLLED	AMOUNT OF TURF FERTILIZER WITH 1.0% RONSTAR®		APPLICATION INSTRUCTIONS
	PER ACRE	PER 1000 SQ. FT.	
Crabgrass, Goosegrass, Annual Sedge, and other annual weeds	200 to 300 lbs. (2.0 to 3.0 lbs. a.i./A)	4.59 to 6.88 lbs. (.11 to .16 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 1.0% RONSTAR® application may disrupt the herbicide barrier and reduce effectiveness. Irrigate immediately after application for best results.

### USE RESTRICTIONS

- For St. Augustinegrass and Bentgrass turf, **DO NOT** exceed the rate of 300 pounds per application per acre (3.00 pounds active ingredient) of TURF FERTILIZER WITH 1.0% RONSTAR®.
- **DO NOT** apply to Bentgrass turf mowed at less than 3/8 inch.
- **DO NOT** apply TURF FERTILIZER WITH 1.0% RONSTAR® to newly seeded areas.
- **DO NOT** apply to Dichondra or Centipedegrass.
- **DO NOT** apply TURF FERTILIZER WITH 1.0% 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 600 pounds of product per acre per year (equivalent to 6 pounds ai/A/year), except in areas where there is heavy weed infestation.
- **DO NOT** exceed 2 applications per year when using reduced application rates.
- **DO NOT** exceed a single application rate of 400 pound of product per acre (equivalent to 4 pounds ai/A).
- In areas of heavy weed infestations **DO NOT** use more than the maximum application rate of 800lbs of product (equivalent to 8lbs ai/A) per year.
- **DO NOT** make subsequent applications of this product within 120 days after treatment (Re-treatment Interval (RTI)).

### PRECAUTIONS

- TURF FERTILIZER WITH 1.0% 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.
- If rain is not expected shortly after application, irrigating turf thoroughly will increase effectiveness.

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

Apply TURF FERTILIZER WITH 1.0% RONSTAR® anytime during the year, prior to weed seed germination, for weed control. TURF FERTILIZER WITH 1.0% 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 1.0% RONSTAR® will improve weed control activity. TURF FERTILIZER WITH 1.0% RONSTAR® must not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of TURF FERTILIZER WITH 1.0% RONSTAR®.

### 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 1.0% 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 600 pounds of product per acre per year (equivalent to 6 pounds ai/A/year), except in areas where there is heavy weed infestation.
- **DO NOT** exceed a single application rate of 400 pound of product per acre (equivalent to 4 pounds ai/A).
- In areas of heavy weed infestations **DO NOT** use more than the maximum application rate of 800lbs of product (equivalent to 8lbs ai/A) per year.
- **DO NOT** make subsequent applications of this product within 120 days after treatment (Re-treatment Interval (RTI)).
- **DO NOT** exceed 2 applications per year when using reduced application rates.

### AMOUNT TO USE

Ground Application -- Apply TURF FERTILIZER WITH 1.0% RONSTAR® broadcast to ornamentals at 200 to 400 pounds of product per acre (2.0 – 4.0 lbs ai/A) per application (or 4.59 to 9.18 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 echioides</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 300 to 400 pounds (3.0 to 4.0 pounds of active ingredient) per acre for less susceptible weeds.

\*\*Use 400 pounds (4.0 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 1.0% 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	# 2.75	# 3.25	# 3.9
Scotts Pro R-8A	# H	# I+	# J+
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 1.0% 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 1.0% 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 1.0% RONSTAR® application as marked with an \* below.

### ESTABLISHED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
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 fleisheri</i>	Mandarin	<i>Citrus reticulata</i>
Andromeda	<i>Pieris sp</i>	Tangelo	<i>Citrus XTangelo Minneola</i>
Anthuriums (Ozaki Red)		Tangerine	<i>Citrus reticulata</i> var. <i>tangerina</i>
Apache Plume	<i>Fallugia paradoxa</i>	Temple	<i>Citrus Xnobilis Temple</i>
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)

COMMON NAME	SCIENTIFIC NAME		
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</i> ( <i>catesbaei</i> )	Peony**	<i>Paeonia 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> <i>Leucadendron discolor</i> <i>Leucospermum cordifolium</i> <i>Protea exinia</i>	St.Johnswort, Golden	<i>Hypericum frondosum</i>
		St.Johnswort, Gokdencup	<i>Hypericum patulum</i>
		Strawberry Tree	<i>Arbutus unedo</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 altemifolia</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>
Forsythia	<i>Forsythia intermedia</i>		<i>Leucadendron discolor</i>
Gazania, Trailing	<i>Gazania uniflora leucoleana</i>		<i>Leucospermum cordifolium</i>
Hackberry	<i>Celtis occidentalis</i>		<i>Protea eximia</i>
Ivy, Algerian	<i>Hedera canariensis</i>	Rhododendron	<i>Rhododendron sp</i>
Ivy, English	<i>Hedera helix</i>	Russian Olive	<i>Eleagnus angustifolia</i>
Hemlock, Canada	<i>Tsuga canadensis</i>	Spruce	<i>Picea sp</i>
Holly	<i>Ilex sp</i>	Trailing African Daisy	<i>Osteospermum fruticosum</i>
Ice Plant	<i>Carpobrotus edule</i>	Wedelia	<i>Wedelia trilobata</i>
Juniper	<i>Juniperus sp</i>	Wisteria, Chinese **	<i>Wisteria sinensis</i>
Leopards – Bane **	<i>Doronicum cordatum</i>	Yew **	<i>Taxus sp</i>

## FOREST NURSERY APPLICATION

Seedlings of the following species can be treated with TURF FERTILIZER WITH 1.0% 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 1.0% RONSTAR.®  
Growers must evaluate usage on a small scale prior to large scale applications.

<b><u>PLANT SPECIES</u></b>	<b><u>VARIETIES</u></b>
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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