

432-1430

9/8/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

SEP 8 2009

Mr. Richard M. Gorrell  
Registrations Manager  
Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Mr. Gorrell,

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated August 7, 2009 and your label resubmissions on September 2, 2009 for the following products:

**Chipco® Ronstar® G T/L (EPA Registration Number 432-898)**  
**Ronstar® 2% Plus Turf Fertilizer (EPA Registration Number 432-1430)**  
**Herbicide**

The Registration Division (RD) has conducted its review of these requests for their applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

20914



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

|  |  |  |
|--|--|--|
| 1. Company/Product Number<br>432-1430  | 2. EPA Product Manager<br>Ms. Joanne Miller  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Ronstar 2% Plus Turf Fertilizer Herbicide   | PM#<br>23  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Bayer Environmental Science<br>2 T. W. Alexander Drive<br>Research Triangle Park, NC 27709<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |

Section - II

|  |  |
|--|--|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.  |

**NOTIFICATION**

**SEP - 8 2009**

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and it may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.  
- Container Disposal Statement Revision as per EPA mandate

Section - III

|  |  |   |                                      |  |                                  |
|--|--|---|--------------------------------------|--|----------------------------------|
| 1. Material This Product Will Be Packaged In:  |  |   |                                      | 2. Type of Container   |                                  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No  | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                                      | <input type="checkbox"/> Metal   | <input type="checkbox"/> Plastic |
| * Certification must be submitted  |  |   |                                      | <input checked="" type="checkbox"/> Glass                              | <input type="checkbox"/> Paper   |
|  | If "Yes" Unit Packaging wgt.   | No. per container   | If "Yes" Package wgt.                | Other (Specify) _____  |                                  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input checked="" type="checkbox"/> Container  |  | 4. Size(s) Retail Container<br>50 lb Paper Bag  |                                      | 5. Location of Label Directions<br><input checked="" type="checkbox"/> |                                  |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |  |   | <input type="checkbox"/> Other _____ |  |                                  |

Section - IV

|   |                                    |   |
|---|------------------------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)   |                                    |   |
| Name<br>Richard M. Gorrell  | Title<br>Manager, Registrations    | Telephone No. (Include Area Code)<br>(919) 549-2423 |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |                                    | 6. Date Application Received (Stamped)              |
| 2. Signature<br><i>Richard M. Gorrell</i>   | 3. Title<br>Manager, Registrations |   |
| 4. Typed Name<br>Richard M. Gorrell   | 5. Date<br>August 7, 2009          |   |

30814



# Bayer Environmental Science

August 7, 2009

EPA09RMG0807Ronstar2%FertNotifContDisp  
Fedex

Ms. Linda Arrington  
U.S. Environmental Protection Agency  
Office of Pesticide Programs (7504P)  
Document Processing Desk (Notif)  
Room S-4900, One Potmac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

RE: Ronstar 2% Plus Turf Fertilizer Herbicide (EPA Reg No. 432-1430) Notification  
to Add Container Disposal Statement

Dear Ms. Arrington:

Bayer Environmental Science (BES) is notifying the Agency of the addition of a revised container disposal statement for the Ronstar 2% Plus Turf Fertilizer Herbicide label. The label language is exactly as prescribed by the Agency in PR Notice 2007-4.

Bayer Environmental Science  
2 T.W. Alexander Drive  
RTP, NC 27709  
Phone : 919.549.2000

The following information is included with this amendment:

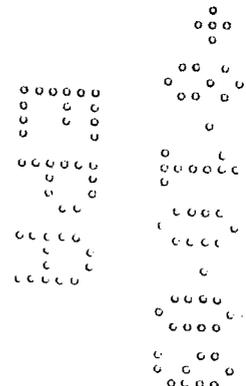
- 8570-1 form
- Revised Label (4 paper copies; one highlighted copy)

If you have any questions, contact me at (919) 549-2423 or email me at [mike.gorrell@bayercropscience.com](mailto:mike.gorrell@bayercropscience.com).

Sincerely,

Richard M. Gorrell  
Manager, Registrations

Cc: Karen Shearer



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# RONSTAR<sup>®</sup> 2% PLUS TURF FERTILIZER

## Herbicide

**NOT FOR USE ON HOME LAWNS**

**FOR SALE TO, USE AND STORAGE BY COMMERCIAL NURSERY, TURF AND LANDSCAPE PERSONNEL ONLY**

**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] ..... 2.0%

**INERT INGREDIENTS:** ..... 98.0%

EPA Reg. No. 432-1430

EPA Est. No. 33560-TN-1

### KEEP OUT OF REACH OF CHILDREN

## WARNING AVISO NOTIFICATION

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.) **SEP - 8 2009**

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-800-334-9745

### FIRST AID

|               |   |
|---------------|---|
| 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>• Do not induce vomiting unless told t by a poison control center or doctor.</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 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> |

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

### PRECAUTIONARY STATEMENTS

#### WARNING

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes skin irritation. Harmful if absorbed through skin. Harmful if inhaled. Do not get on skin or on clothing. Avoid contact with eyes. Causes moderate eye irritation. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants, chemical resistant gloves made of any waterproof material, a chemical-resistant apron when cleaning equipment, protective eyewear, chemical resistant headgear for overhead exposure and chemical resistant footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

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

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. RONSTAR® should not be used in areas where irrigation or rainfall results in the direct or indirect (via ditches and canals) contamination of surface waters through dissolved runoff or erosion of soil particles to which oxadiazon is absorbed.

### 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 over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks and chemical-resistant headgear for overhead exposure.

Do not apply RONSTAR® 2% Plus Turf Fertilizer Herbicide through any type of irrigation system.

### STORAGE AND DISPOSAL

#### 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 DISPOSAL

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary land fill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

RONSTAR® 2% Plus Turf Fertilizer Herbicide 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. RONSTAR® G controls weeds by killing the young weed seedlings as they come in contact with the herbicide during germination.

Apply RONSTAR® 2% Plus Turf Fertilizer Herbicide 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.

Do not allow domestic animals to graze treated areas. Avoid contamination of water intended for irrigation and domestic use.

**TURF**

For use in established perennial Bluegrass, Bentgrass, Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysia turf; such as, 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. **Do not** apply to wet turf. If rain is not expected shortly after application, irrigating turf thoroughly will increase effectiveness.

**PREEMERGENT WEED CONTROL**

|  | AMOUNT OF<br>RONSTAR® 2% PLUS<br>TURF FERTILIZER |                     |  |
|--|--|---------------------|--|
| WEEDS CONTROLLED   | PER ACRE   | PER 1000<br>SQ. FT. | DIRECTIONS   |
| Crabgrass ( <i>Digitaria spp.</i> )<br>Goosegrass ( <i>Eleusine indica</i> )<br>Field Sandbur ( <i>Cenchrus incertus</i> )<br>Annual Sedge ( <i>Cyperus compressus</i> )   | 100 - 200 lbs.                                   | 2 1/4 - 4 1/2 lbs.  | Apply in late winter or early spring prior to seed germination.<br>Application made after March or April may not be fully effective. |
| Annual Bluegrass ( <i>Poa Annua spp.</i> )<br>(See note below)   | 100-200 lbs.                                     | 2 1/4 - 4 1/2 lbs   | Apply in late summer to early fall prior to seed germination.  |
| Virginia Buttonweed ( <i>Diodia virginiana</i> )<br>Pigweed ( <i>Amaranthus spp.</i> )<br>Florida Pusley ( <i>Richardia scabra</i> )<br>Oxalis ( <i>Oxalis spp.</i> )<br>Stinging Nettle ( <i>Urtica dioica</i> )<br>Carpetgrass ( <i>Axonopus offinis</i> ) | 200 lbs.   | 4 1/2 lbs.          | Apply in early spring prior to seed germination.   |

**FALL APPLICATION FOR SPRING WEED CONTROL IN COOL SEASON TURF**

|  | AMOUNT OF<br>RONSTAR® 2% PLUS TURF FERTILIZER |                     |   |
|--|---|---------------------|---|
| WEEDS CONTROLLED                             | PER ACRE                                      | PER 1000<br>SQ. FT. | DIRECTIONS  |
| Crabgrass, Goosegrass and other annual weeds | 150 - 200 lbs.                                | 3 3/8 - 4 1/2 lbs.  | 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 should be delayed until 4 months after greenup. |

**ANNUAL BLUEGRASS CONTROL IN BERMUDAGRASS FAIRWAYS OVERSEEDED WITH PERENNIAL RYEGRASS ONLY**

|  | AMOUNT OF<br>RONSTAR® 2% PLUS TURF FERTILIZER |                     |  |
|--|---|---------------------|--|
| WEEDS CONTROLLED   | PER ACRE                                      | PER 1000<br>SQ. FT. | DIRECTIONS   |
| Annual Bluegrass ( <i>Poa annua spp.</i> )<br>See Note below | 100 lbs.                                      | 2 1/4 lbs.          | Apply in late summer to early fall prior to <i>Poa annua</i> spp. seed germination. Any <i>Poa annua</i> spp. established when this product is applied will not be controlled. CHIPCO® RONSTAR® G will only control the <i>Poa annua</i> spp. that is established from seed every year. <b>CHIPCO® RONSTAR® G should be applied no closer than 60 days prior to overseeding.</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* spp. *annua* which germinates every year from seed, while the biotype that behaves like a perennial is *Poa annua* spp. *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 RONSTAR® 2% PLUS TURF FERTILIZER |                     | DIRECTIONS  |
|---|--|---------------------|---|
|   | PER ACRE                                   | PER 1000 SQ. FT.    |   |
| Crabgrass, Goosegrass, Annual Sedge, and other annual weeds | 100 to 150 lbs.                            | 2 1/4 to 3 3/8 lbs. | 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 RONSTAR® 2% Plus Turf Fertilizer Herbicide application may disrupt the herbicide barrier and reduce effectiveness. Irrigate immediately after application for best results. |

For St. Augustinegrass and Bentgrass turf, do not exceed the rate of 150 pounds per acre (3 pounds active ingredient) of RONSTAR® 2% Plus Turf Fertilizer Herbicide. Do not apply to Bentgrass turf mowed at less than 3/8 inch.

RONSTAR® 2% Plus Turf Fertilizer Herbicide may cause discoloration of Bentgrass, Bermudagrass and St. Augustinegrass. This discoloration is temporary and normally outgrown within 2 to 3 weeks.

Avoid contact with flowers and shrubs except as recommended elsewhere on this label. Do not apply RONSTAR® 2% Plus Turf Fertilizer Herbicide to newly seeded areas. Seeding into treated areas should be delayed until 4 months after treatment except as noted above. Do not apply to Dichondra or Centipedegrass. RONSTAR® 2% Plus Turf Fertilizer Herbicide should not be used on putting greens or tees because of the varying cultural practices used.

When making applications to Tropic Lalo, applications must be made 0 - 12 days after sprigging. 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.

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

Apply RONSTAR® 2% Plus Turf Fertilizer Herbicide anytime during the year, prior to weed seed germination, for weed control. RONSTAR® 2% Plus Turf Fertilizer Herbicide 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 RONSTAR® 2% Plus Turf Fertilizer Herbicide will improve weed control activity. RONSTAR® 2% Plus Turf Fertilizer Herbicide should not be mixed into the soil. Cultivating or disturbing the soil may reduce the weed control activity of RONSTAR® 2% Plus Turf Fertilizer Herbicide. **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 RONSTAR® 2% Plus Turf Fertilizer Herbicide active ingredient onto leaf surfaces in condensation.

**AMOUNT TO USE**

Ground Application -- Apply RONSTAR® 2% Plus Turf Fertilizer Herbicide broadcast to ornamentals at 100 to 200 pounds of product per acre (or 2 1/4 to 4 1/2 pounds 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 spp.</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 spp.</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 spp.</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 spp.</i> )         |                    |                                    |
| Niruri                 | ( <i>Phyllanthus niruri</i> )      |                    |                                    |
| Pennsylvania Smartweed | ( <i>Polygonum pensylvanicum</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 spp.</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 150 to 200 pounds (3.0 to 4.0 pounds of active ingredient) per acre for less susceptible weeds.

\*\*Use 200 pounds (4.0 pounds of active ingredient) per acre for less susceptible weeds.

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**How To Calibrate Spreaders For Applications Of RONSTAR® 2% Plus Turf Fertilizer**

(CHART TO COME)

**CROP TOLERANCE**

RONSTAR® 2% Plus Turf Fertilizer Herbicide is recommended for use on a wide variety of ornamental species and ground covers in container, field grown, and landscape planting situations. RONSTAR® 2% Plus Turf Fertilizer Herbicide may be used at the recommended rates on the following species.

**ESTABLISHED ORNAMENTALS AND GROUND COVERS**

| <u>COMMON NAME</u>         | <u>SCIENTIFIC NAME</u>          |                         |   |
|----------------------------|---------------------------------|-------------------------|---|
| Abutilon                   | <i>Abutilon pictum</i>          | Citrus, Ornamental*:    | <i>Citrus paradisi</i>                  |
| Acacia                     | <i>Acacia spp</i>               | Grapefruit              | <i>Citrus limon</i>                     |
| Agapanthus                 | <i>Agapanthus africanus</i>     | Lemon                   | <i>Citrus aurantifolia</i> Bearss       |
| Allamanda, Common          | <i>Allamanda cathartica</i>     | Lime                    | <i>Citrus reticulata</i>                |
| Alpine Willow              | <i>Epilobium fleisheri</i>      | Mandarin                | <i>Citrus XTangelo Minneola</i>         |
| Andromeda                  | <i>Pieris spp</i>               | Tangelo                 | <i>Citrus reticulata var. tangerina</i> |
| Anthuriums (Ozaki Red)     |                                 | Tangerine               | <i>Citrus Xnobilis Temple</i>           |
| Apache Plume               | <i>Fallugia paradoxa</i>        | Temple                  | <i>Citrus maxima</i>                    |
| Aralia                     | <i>Aralia spinosa</i>           | Cuban Shaddock          | <i>Citrus sinensis</i>                  |
| Arborvitae                 | <i>Thuja spp</i>                | Valencia                | <i>Citrus sinensis</i>                  |
| Ash, Green                 | <i>Fraxinus pennsylvanica</i>   | Washington Navel        | <i>Citrus sinensis</i>                  |
| Azalea                     | <i>Rhododendron spp</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 gagentica</i>              |
| Bamboo, Feathery           | <i>Bambusa vulgaris</i>         | Cotoneaster             | <i>Cotoneaster spp</i>                  |
| Banyan, Weeping            | <i>Ficus benghalensia</i>       | Crabapple*              | <i>Malus spp</i>                        |
| Barberry                   | <i>Berberis spp</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 spp</i>                |
| Beech, European            | <i>Fagus sylvatica</i>          | Cypress                 | <i>Cupressus spp</i>                    |
| Birch, Paper               | <i>Betula papyrifera</i>        | Cypress, Leyland        | <i>Cupressocyparis leylandii</i>        |
| Blanket Flower             | <i>Gaillardia aristata</i>      | Dahlia                  | <i>Dahlia spp.</i>                      |
| Blazing Star               | <i>Liatis 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 spp</i>                |
| Bouganvillea               | <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 spp</i>                        |
| Camellia, Common, Japanese | <i>Camellia japonica</i>        | Escallonia              | <i>Escallonia spp</i>                   |
| Camellia, Sasanqua         | <i>Camellia sasanqua</i>        | Eucalyptus              | <i>Eucalyptus spp</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>Ginko biloba</i>                     |

COMMON NAME                      SCIENTIFIC NAME

**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 spp</i>                     | Myoporum              | <i>Myoporum laetum</i>           |
| Honeysuckle          | <i>Lonicera spp</i>                     | Myrtle                | <i>Myrtus communis</i>           |
| Holly                | <i>Ilex spp</i>                         | Nandina               | <i>Nandina domestica</i>         |
| Ice Plant            | <i>Carpobrotus edule</i>                | Oak                   | <i>Quercus spp</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 spp</i>                    | Palm, Fishtail        | <i>Caryota spp</i>               |
| Justica              | <i>Justica brandegeana</i>              | Palm, Licuala         | <i>Licuala Thunb. spp</i>        |
| Kwanzan Cherry       | <i>Prunus serrulata</i>                 | Palm, Macarthur       | <i>Ptychosperma marcarthurii</i> |
| Lamb's Ear           | <i>Stachys byzantina</i>                | Palm, Manac           | <i>Euterpe spp</i>               |
| Lantana, Trailing    | <i>Lantana montevidensis</i>            | Palm, Manila          | <i>Veitchia merillii</i>         |
| Lapalapa             | <i>Cheirodendron spp</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>Paeonia spp.</i>              |
| Lily of the Nile     | <i>Agapanthus umbellatus</i>            | Periwinkle, Common    | <i>Vinca minor</i>               |
| Lilac                | <i>Syringa spp</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 spp</i>                 |
| Magnolia             | <i>Magnolia spp</i>                     | Pittosporum, Japanese | <i>Pittosporum tobira</i>        |
| Mahonia, Grape Holly | <i>Mahonia aquifolium</i>               | Plum, Natal           | <i>Carissa macrocarpa</i>        |
| Maple                | <i>Acer spp</i>                         | Podocarpus, Yew       | <i>Podocarpus macrophylla</i>    |
|                      |   | Pomegranite*          | <i>Punica granatum</i>           |

COMMON NAME

SCIENTIFIC NAME

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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 spp</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 spp.</i>               |
| Privet                   | <i>Ligustrum spp</i>  | Statice                  | <i>Limonium spp.</i>            |
| Protea species           | <i>Banksia menziesii</i><br><i>Leucadendron discolor</i><br><i>Leucospermum cordifolium</i><br><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 spp</i>   | Viburnum                 | <i>Viburnum spp</i>             |
| Rose                     | <i>Rosa spp</i>   | Wedelia                  | <i>Wedelia trilobata</i>        |
| Russian Olive            | <i>Eleagnus angustifolia</i>  | Wisteria, Chinese        | <i>Wisteria sinensis</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 pseudolanugirosis</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 spp</i>                |

**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>         | Oak                    | <i>Quercus spp</i>  |
| Brassaia, Dwarf    | <i>Brassia actinophylla</i>        | Periwinkle, Common     | <i>Vinca minor</i>  |
| Camellia           | <i>Camellia japonica</i>           | Periwinkle, Large      | <i>Vinca major</i>  |
| Carnation          | <i>Dianthus caryophyllus</i>       | Pine                   | <i>Pinus spp</i>  |
| Cedar, Red         | <i>Juniperus atlantica</i>         | Poplar                 | <i>Populus spp</i>  |
| Coromandel         | <i>Asystasia gargentica</i>        | Privet                 | <i>Ligustrum spp</i>  |
| Dogwood, Flowering | <i>Cornus florida</i>              | Protea Species         | <i>Banksia menziesii</i><br><i>Leucadendron discolor</i><br><i>Leucospermum cordifolium</i><br><i>Protea exinia</i> |
| Elm                | <i>Ulmus spp</i>                   |                        |   |
| Forsythia          | <i>Forsythia intermedia</i>        | Rhododendron           | <i>Rhododendron spp</i>   |
| Gazania, Trailing  | <i>Gazania uniflora leucoleana</i> | Russian Olive          | <i>Eleagnus angustifolia</i>  |
| Hackberry          | <i>Celtis occidentalis</i>         | Spruce                 | <i>Picea spp</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 spp</i>                    | Yew                    | <i>Taxus spp</i>  |
| Ice Plant          | <i>Carpobrotus edule</i>           |                        |   |
| Juniper            | <i>Juniperus spp</i>               |                        |   |
| Leopards – Bane    | <i>Doronicum cordatum</i>          |                        |   |

| <u>COMMON NAME</u> | <u>SCIENTIFIC NAME</u>      |
|--------------------|-----------------------------|
| Metallic Plant     | <i>Hemigraphis colorata</i> |

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**FOREST NURSERY APPLICATION**


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Seedlings of the following species can be treated with RONSTAR® 2% Plus Turf Fertilizer Herbicide when at least 4 weeks old:

| <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**


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Under certain growing conditions, the plant varieties listed below may be sensitive to RONSTAR® 2% Plus Turf Fertilizer Herbicide. Growers should evaluate usage on a small scale prior to large scale applications.

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

\* For use only on plants that will not bear edible fruit within one year of RONSTAR® 2% Plus Turf Fertilizer Herbicide application.

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**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.

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