

52287-14

7/24/2009

1/11



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Robert F. Bischoff
Product Registration
TotalTurf Consulting LLC
Agent for Harrell's LLC
26 A.A. Cooper Road
Megs, GA 31765

JUL 24 2009

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Alternate Brand Name "Fertilizer W/Ronstar 1.2%"
EPA Reg. No. 52287-14
Application Dated June 17, 2009

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 06/17/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

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



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 52287-14	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Turf Fertilizer with Ronstar 1.20	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Harrell's LLC P. O. Box 807 Lakeland, FL 33802 <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: EPA Reg. No. <u>N/A</u> NOTIFICATION Product Name <u>N/A</u> JUL 24 2009	

Section - II

Amendment - Explain below. Final printed labels in response to Agency letter dated _____

Resubmission in response to Agency letter dated _____ "Me Too" Application.

Notification - Explain below. Other - Explain below.

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

Notification of Alternate Brand Name per PR Notice 98-10 (IIA). This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container
50 lbs

5. Location of Label Directions
 On Affixed Label

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Robert F. Bischoff	Title Agent, TotalTurf Consulting LLC	Telephone No. (Include Area Code) (317) 873-0222
----------------------------	--	---

Certification
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.

2. Signature
Robert F. Bischoff

3. Title
Agent, TotalTurf Consulting LLC

4. Typed Name
Robert F. Bischoff

5. Date
June 17, 2009

6. Date Application Received (Stamped)

3
11

**TotalTurf Consulting LLC
26 A. A. Cooper Rd.
Meigs, GA 31765**

**Direct: 843-384-2807
Fax: 229-683-3426**

E-Mail: rbcooper@juno.com

June 17, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7505P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Attn: Joanne I. Miller

Subject: Turf Fertilizer with Ronstar 1.20
EPA Reg. No. 52287-14
Notification of Alternate Brand Name

Dear Ms. Miller:

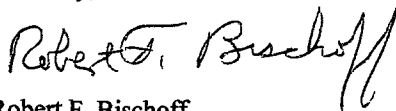
Enclosed labeling shows the addition of an alternate brand name (Fertilizer W/Ronstar 1.2%) for the subject registered product. This notification is being submitted on behalf of Harrell's LLC, P. O. Box 807, Lakeland, FL 33802 by TotalTurf Consulting LLC, an authorized agent for Harrell's LLC.

The following documents are included in the subject submission:

- Cover Letter
- Application for Pesticide (EPA Form No. 8570-1)
- One Copy of Labeling Showing the Alternate Brand Name [Coded as 20090617.Final Label]
- One Copy of Current Labeling [Coded as 20090303.Final Label]

If there are any questions or additional information is needed concerning this submission, do not hesitate to contact me at (317) 873-0222 or Raymond B. Cooper at (843) 384-2807.

Sincerely,



Robert F. Bischoff
Agent
TotalTurf Consulting LLC
26 A. A. Cooper Road
Meigs, GA 31765

Faint, illegible markings or text at the bottom right of the page.

9
11

JUL 24 2009

FERTILIZER W/ROSTAR 1.2%

50 lb. Bag Treats up to 13,100 Sq. Ft.

FOR SALE TO AND USE BY PROFESSIONAL APPLICATORS ONLY. NOT FOR SALE TO OR USE BY HOMEOWNERS/CONSUMERS. FOR USE ON GOLF COURSES, PARKS, SOD FARMS, ATHLETIC FIELDS, AND OTHER RECREATIONAL AND ORNAMENTAL TURFGRASS AREAS.

A Pre-Emergent Weed Control Product plus a Quality Fertilizer for use on varieties of Perennial Bluegrass, Bentgrass, Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue and Zoysiagrass.
Also for Use Around Ornamental Shrubs, Vines, Trees & Ground Covers.

ACTIVE INGREDIENT:

*Oxadiazon	1.2%
OTHER INGREDIENTS	98.8%
Total.....	100.00%

*CAS No.[19666-30-9] Contains ROSTAR® Herbicide a Registered Trademark of Bayer Environmental Science.

EPA Reg. No. 52287-14

EPA Est. No. 52287-FL-1

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.)

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes or on clothing. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators, and other handlers must wear coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical resistant apron over cleaning equipment. 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.

115

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should remove clothing/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. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning equipment or disposal of equipment wash waters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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. Do not apply through any type of irrigation system. Do not store or use in or around the home or home garden. Apply only as specified on this label.

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) notification to workers, 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-AGRICULTURE USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Observe and wear (PPE) protective eyewear, long-sleeved shirt and long pants, impervious gloves and chemical resistant footwear plus socks, when handling. Do not enter or allow other people (or pets) to enter the treated area until dusts have settled. If watering-in is required after the application – except for those people involved in the watering-in – do not enter or allow other people (or pets) to enter the treated areas until the watering-in is complete and the surface is dry.

STORAGE AND DISPOSAL

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

STORAGE: Store product in its original bag, in a cool, dry, locked place out of reach of children. In case of spill, sweep up, and use according to directions or dispose of as follows.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Nonrefillable 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 landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Guaranteed Fertilizer Analysis

Total Nitrogen (N).....	XX%
Ammoniacal Nitrogen.....	XX%
Urea Nitrogen.....	XX%
Available Phosphoric Acid (P ₂ O ₅).....	XX%
Soluble Potash (K ₂ O).....	XX%
Derived from Ammonium Phosphate, Urea, and Muriate of Potash.	

WHERE, HOW MUCH AND WHEN TO USE ON TURFGRASS

This product may be used at full rate or as a split application on established perennial Bluegrass, Bentgrass (see restrictions), Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysiagrass turf, at apartment/condominium complexes, corporate and public parks, golf courses, sod farms, athletic fields, playgrounds, cemeteries and other ornamental and recreational turfgrass area. Not for use on home lawns. The turf should be free of leaves and thatch and in condition to allow granules to reach the soil surface. Know the square footage of the area to be treated and uniformly apply using a granule spreader. Do not apply to turf when it is wet. When using at full rate do not overlap spreader applications, especially on St. Augustinegrass since discoloration "streaking" may temporarily occur from the "doubled rate". Observe the maximum rate for St. Augustinegrass and Bentgrass of 3 lbs a.i./acre which is equiv. to 5.74 lbs of this product per 1,000 sq ft. See below for restrictions when using on Bentgrass. After applications if rain is not expected within 24 hours sprinkle irrigate the treated turf with up to a ¼ inch of water to get maximum weed control and quicker response from the fertilizer nutrients. This product is a pre-emergence herbicide and must be applied prior to weed seed germination (see map of U.S.). It will not control growing weeds. "See paragraph below for instructions to apply the 3 lb or 4 lb rate as a split application. For the rate of 2-4 lbs a.i./acre, on weedy turf, containing difficult-to-control weeds, apply this product in one application at the 3 or 4 lb rate.

Controls Crabgrass, Goosegrass, Poa Annua, Annual Sedge and other weeds as listed on Golf Courses, Commercial Lawns, and other Athletic and/or Recreational Ornamental Turf.

Pre-emergence Weed Control			
Weeds Controlled	lbs. AI/acre lbs. product/acre	Lbs. of Product per 1,000 sq. ft.	Directions – Refer to Map of US
Crabgrass (<i>Digitaria</i> , spp.) Goosegrass (<i>Eleusine indica</i>) Field Sandbur (<i>Cynchusincertus</i>) Annual Sedge (<i>Cyperuscompressus</i>) Annual Bluegrass (<i>Poa annua</i> spp.) (See Note below)	<u>2 to 4 lbs. AI/acre</u> 166 to 333 lbs. product/acre	3.83 to 7.65 lbs.	Apply in late winter or early spring prior to weed seed germination. See map for proper timing. Application made after April or May may not be fully effective.
Virginia Buttonweed (<i>Diodia virginiana</i>) Pigweed (<i>Amaranthus</i> spp) Florida Pusley (<i>Richards scabra</i>) Oxalis (<i>Oxalis</i> spp.) Stinging Nettle (<i>Urtica dolca</i>) Carpetgrass (<i>Axonagus offinis</i>)	<u>4 lbs. AI/acre</u> 333 lbs./acre	7.65 lbs.	Apply in early spring prior to weed seed germination.
Fall Application for Spring Weed Control in Cool Season Turf			
Crabgrass, Goosegrass and other annual weeds as listed	<u>3 to 4 lbs. AI/acre</u> 250 to 333 lbs./acre	5.74 to 7.65 lbs./1,000 sq. ft.	For use in Bluegrass, Bentgrass, perennial Ryegrass and Tall Fescue. 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			
Annual Bluegrass (<i>Poa annua</i> spp.)	<u>2 lbs. AI/acre</u> 166 lbs./AI	3.83 lbs./1,000 sq. ft.	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. It should not be applied closer than 60 days to overseeding. Do not use where <i>Poa trivialis</i> is present in the overseed mixture. Apply the full 2 lb. rate in one application.
<p>NOTE: In many areas annual bluegrass exists in at least two biotypes or subspecies of <i>Poa annua</i>. The true <u>annual</u> biotype, "<i>POA annua</i> spp. <i>annua</i>" which germinates from seed every year <u>is controlled</u> while the biotype, "<i>Poa annua</i> spp. <i>raptans</i>" which behave like a <u>perennial</u> and survives through the summer as an established plant, <u>cannot be controlled</u>. Consult the extension service or university weed specialist in your area for more information concerning your locale.</p>			
Annual Weed Control during establishment from Sprigs of Bermudagrass, Zoysiagrass and Seashore Paspalum			
Crabgrass and Goosegrass, Annual Sedge and other annual weeds.	<u>2 to 3 lbs. AI/acre</u> 133 to 250 lbs./acre	3.83 to 5.74 lbs./1,000 sq. ft.	Directions: Refer to map of US
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 application may disrupt the herbicide barrier and reduce effectiveness. For best results sprinkler irrigate the "sprigged" area with up to ¼ inch water after application.			

GENERAL PRECAUTIONS AND RESTRICTIONS

A single application rate must not exceed 7.65 pounds of product per 1,000 sq. ft. or 333 pounds of product per acre which is equivalent to 4 pounds of active ingredient per acre. The maximum application rate for all treatments is 6 pounds of active ingredient per acre per year except in cases of heavy weed infestation in which case the maximum application rate for all treatments is 8 pounds of active ingredient per year. For best results, water-in the product as soon as practical after application. Not for use on home lawns.

PRECAUTIONS IN USING: For St. Augustine grass and Bentgrass turf. DO NOT exceed the rate of 3 lbs. of active ingredient per acre which is equal to 5.74 lbs. of this product per 1,000 sq. ft. DO NOT apply to Bentgrass turf mowed less than 3/8 inch. This product may cause discoloration of Bentgrass, Bermudagrass and St. Augustine grass but this discoloration is temporary and normally outgrown within 2 to 3 weeks. Avoid contact with flowers and shrubs except as recommended elsewhere for ornamental plants on this label. DO NOT apply 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. DO NOT use on golf course putting greens or tees because of the varying cultural practices used.

FOR SPRING APPLICATION ON GOLF COURSES UNDER TURF MANAGEMENT THE 3 LB. AND 4 LB. PER ACRE RATES CAN BE APPLIED AS A "SPLIT" APPLICATION

Weed control and better turf management can be programmed by splitting the per acre rate of active ingredients into "two" separate applications. For example to accomplish this in Regions #3 and #4 (see map of US) apply 1.5 lbs. AI (for a required 3 lbs. AI/acre rate) or 2 lbs. AI (for a required 4 lb AI/acre rate) as the first application 4 to 5 weeks before estimated weed seed germination or in mid-March. Follow with the second "1/2 rate" in 40 to 60 days or the last of April or first of May. The timing for these applications should be closely programmed to the geographic region (see US map) and adjusted to an "early" or "late" spring. Do not split the 2 lb. rate. The 3 lb. rate should not be split if applied to new turf areas first coming under turf management where weed pressure is expected to be heavy.

Controls Annual Broadleaf Weeds and Annual Grasses

Annual Bluegrass	*Evening Primrose	**Jungle Ricegrass	Sow thistle
Annual Sedge	Fireweed	Lambsquarter	Speedwell
*Barnyardgrass	Field Sandbur	**Liverwort	Spotted Catsear
Bittercress	Foxtail; Green, Bristly	Oxalis	Spurge Garden, Petty,
Carpetweed	Fall Panicum	**Panama Paspalum	**Prostrate
Carpetgrass	Florida Pusley	Pennsylvania Smartweed	Stinging Nettle
Common Groundsel	*Galinsoga	Redroot Pigweed	*Swinecress
Common Purslane	Golden Ragwort	Sensitive Plant	Virginia Buttonweed
Crabgrass	*Goosegrass	Shepardspurse	Yellow Woodsorrel

NOTE: For newly seeded lawns, do not apply this product until after the second or third cutting. For best turf management, place new grass seed in the fall of the year. Spring pre-emergence weed control can then be applied.

SPREADER SETTINGS

Spreader Settings for	1.5 lbs. AI/acre	2 lbs. AI/acre	3 lbs. AI/acre	4 lbs. AI/acre
Cyclone B3-Pro	XX	XX	XX	XX
For Scotts Pro R-8A	XX	XX	XX	XX

Plan on an approximately 3 mph spreader speed to obtain best coverage. Know the exact square footage of your area before application. Incorrect application can result in turf damage or poor weed control.

IMPORTANT: READ BEFORE USE: read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitations of Liability, before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Harrell's, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of Harrell's, Inc. is authorized to make any warranties beyond those contained herein

or to modify the warranties contained herein. Harrell's, Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF WARRANTIES: TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OF HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT HARRELL'S, INC., ELECTION, THE REPLACEMENT OF PRODUCT.

NET WEIGHT 50 POUNDS (20; 25; 40)

HARRELL'S LLC
P. O. BOX 807
LAKELAND, FL 33802

Batch No.

FERTILIZER W/ RONSTAR 1.2%

Refer to the first portion of this label for the Active Ingredient Statement, First Aid, Precautionary and Storage & Disposal Statements and Other Use Precautions and Restrictions.

EPA Reg. No. 52287-14

EPA Est. No. 52287-FL-1

This product contains 1.2% AI Ronstar® Pre-emergence Herbicide with Harrel's® Fertilizer for use around a wide variety of woody ornamental shrubs, vines, trees and ground covers in landscape plantings and for container and field grown nursery plants.

ESTABLISHED ORNAMENTALS/GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Abuillon	<i>Abuillon pictum</i>
Acacia	<i>Acacia</i> spp.
Agapanthus	<i>Agapanthus africanis</i>
Aliamanda, Common	<i>Aliamanda cathartica</i>
Andromeda	<i>Pieris</i> spp.
Aralla	<i>Aralla spinosa</i>
Arborvira	<i>Thuja</i> spp.
Ash, Green	<i>Fraxinus pennsylvanica</i>
Azalea	<i>Rhododendron</i>
Baby's Breath	<i>Gypsophila paniculate</i>
Bald Cypress	<i>Takodium distichum</i>
Bamboo, Feathery	<i>Bambusa vulgaris</i>
Banyan, weeping	<i>Ficus benghalensis</i>
Barberry	<i>Berberis</i> spp.
Beefsteak Plant	<i>Acalypha wilkesiana</i>
Bearberry	<i>Arcostaphylos uva-ursi</i>
Beech, European	<i>Fagus sylvatica</i>
Birch, Paper	<i>Betula papyrifera</i>
Blanket Flower	<i>Gaillardia aristata</i>
Blazing Star	<i>Liatris spicata</i>
Boxwood, Japanese	<i>Buxus microphylla</i>
Boxwood, Common	<i>Buxus sempervirens</i>
Bouganvillea	<i>Bouganvillea spectabilis</i>
Brassiaia, Dwarf	<i>Brassiaia actinophylla</i>
Buddiela	<i>Buddiela davidii</i>
Bugle Flower	<i>Ajuga reptans</i>
Callistemon	<i>Callistemon lanceolata</i>
Camellia, common, Jap	<i>Camellia japonica</i>
Camellia, Sasanqua	<i>Camellia Sasanqua</i>
Candytuft	<i>Iberis sempervirens</i>
Carissa	<i>Carissa macrocarpa</i>
Carnation	<i>Dianthus caryophyllus</i>
Ceanothus	<i>Ceanothus americanus</i>
Cedar, Red	<i>Juniperus virginiana</i>
Cedar, Atlas	<i>Cedrus atlantica</i>
Cistus	<i>Cistus purpureus</i>
Citrus, Ornamental*	
Grapefruit	<i>Citrus paradisi</i>
Lemon	<i>Citrus limon</i>
Lime	<i>Citrus aurantifolia</i> Bears
Mandarin	<i>Citrus reticulata</i>
Tangelo	<i>Citrus Xtangelo</i> Minneola
Tangerine	<i>Citrus reticulata</i> var. tangerine
Temple	<i>Citrus Xnobills</i> temple
Cuban Shaddock	<i>Citrus maxima</i>
Valencia	<i>Citrus sinensis</i>
Washington Navel	<i>Citrus sinensis</i>

COMMON NAME	SCIENTIFIC NAME
Cleyera	<i>Cleyera japonica</i>
Coreopsis	<i>Coreopsis lanceolata</i>
ESTABLISHED ORNAMENTALS/GROUND COVERS	
Cyprus	<i>Cypripedium</i>
Cypress, Leyland	<i>Cupressocyparis leylandii</i>
Dahlia	<i>Dahlia</i> spp.
Daphne, Fragrant	<i>Daphne odora</i>
Deutzia, slender	<i>Deutzia gracilis</i>
Dieffenbachia	<i>Dieffenbachia</i> spp.
Dogwood, Common	<i>Comus florida</i>
Dogwood, Redosier	<i>Comus stolonifera</i>
Dogwood, Kousa	<i>Comus Kousa</i>
Douglas fir	<i>Pseudotsuga menziesii</i>
Elm	<i>Ulmus</i> spp.
Escallonia	<i>Escallonia</i> spp.
Eucalyptus	<i>Eucalyptus</i> spp.
Euryops, Gray Leaved	<i>Euryops pecinatus</i>
Euonymus, Wintercreeper	<i>Euonymus fortunei</i>
Palsecypress, Hinokl	<i>Chaemeacyparis obtuse</i>
Falsecypress, Japanese	<i>Chaemeacyparis pisifera</i>
Flowering Quince	<i>Chaenomeles speciosa</i>
Forsythia	<i>Forsythia Intermedia</i>
Gardenia	<i>Gardenia jaxminoides</i>
Gazania Trailing	<i>Gazania uniflora/eucoleana</i>
Ginko	<i>Ginkgo biloba</i>
Gladiolus	<i>Gladiolus</i> spp.
Golden Raintree	<i>Koelreuteria paniculata</i>
Heath, Spring	<i>Erica cornea</i>
Heather, Scotch	<i>Calluna vulgaris</i>
Helloioplum	<i>Hellotroplum arborescens</i>
Hemlock, Canada	<i>Tsuga Canadensis</i>
Hibiscus	<i>Hibiscus</i> spp.
Honeysuckle	<i>Lonicera</i> spp.
Holly	<i>Ilex</i> spp.
Ice Plant	<i>Carpobrotus edule</i>
Ilma	<i>Sida fallax</i>
Ivy, Algerian	<i>Hedera canariensis</i>
Ivy, English	<i>Hedera helix</i>
Jasmine, Orange	<i>Murraya paniculate</i>
Jasmine, Primrose	<i>Jasminum mesnyi</i>
Jasmine, Star	<i>Trachelospermum jasminoides</i>
Jasmine, Showy	<i>Jasminum floridum</i>
Juniper	<i>Juniperis</i> spp.
Justica	<i>Justica brandegeana</i>
Kwanzan Cherry	<i>Prunus serrulata</i>
Lamb's Ear	<i>Stachys byzantina</i>
Lantana, Tralling	<i>Lantana montividentis</i>
Lapalapa	<i>Chelodendron</i> spp.
Larch, European	<i>Larix deciduas</i>
Laurel, English	<i>Prunus laurocerasus</i>
Leopards - Bane	<i>Doronicum cordatum</i>
Leucothoe, Coast	<i>Leucothoe axillaries</i>
Leucothoe, Drooping	<i>Leucothoe fontanesia</i> (catesbaei)
Lily of the Nile	<i>Agapanthus umbellatus</i>
Lilac	<i>Syringa</i> spp.
Littleleaf Linden	<i>Tilia cordale</i>
Loquat*	<i>Eriobotrya japonica</i>
Magnolia	<i>Magnolia</i> spp.
Mahonia, Grape Holly	<i>Mahonia aquifolium</i>
Maple	<i>Acer</i> spp.
Metallic Plant	<i>Hemigraphis colorata</i>
Mexican Orange	<i>Cholsya lemata</i>
Mock Orange	<i>Philadelphus virginialis</i>
Money Tree	<i>Pleomale marginata</i>
Murraea	<i>Murraea exotica</i>
Murraea	<i>Murraea paniculata</i>
Myoporum	<i>Myoporum laetum</i>
Myrtle	<i>Myrtus communis</i>

COMMON NAME	SCIENTIFIC NAME
Nandina	<i>Nandina domestica</i>
Oak	<i>Quercus</i> spp.
ESTABLISHED ORNAMENTALS/GROUND COVERS	
Ochana	<i>Ochana serrulata</i>
Ohal	<i>Samanea saman</i>
Oleander	<i>erlum oleander</i>
Orthosiphon	<i>Orthosiphon stamineus</i>
Osmanthus	<i>Osmanthus heterophyllus</i>
Pachysandra	<i>Pachysandra terminalis</i>
Palm, Bamboo	<i>Rhapi excoisa</i>
Palm, Fishtail	<i>Caryota</i> spp.
Palm, Licuala	<i>Licualo Thumb</i> spp.
Palm, Macarthur	<i>Phychosperma macarthurii</i>
Palm, Mabnee	<i>Euterpe</i> spp.
Palm, Manlia	<i>Vetichia merilli</i>
Palm, Parlor	<i>Collinia elegans</i>
Palm, Rattan	<i>Daemonorops</i> spp.
Palm, Scaling wax	<i>Cyrtostachyus lakka</i>
Palm, Sugar	<i>Arenga sacchanifera</i>
Paperbark Tree	<i>Melaieuca leucadendra</i>
Peony	<i>Peonia</i> spp.
Periwinkle, common	<i>Vinca minor</i>
Periwinkle, Large	<i>Vinca major</i>
Photinia, Frasiere	<i>Photinis irasieri</i>
Poinciana	<i>Doloxis regae</i>
Pine	<i>Pinus</i> spp.
Pittosporum, Japanese	<i>Pittosporum tobira</i>
Plum, Natal	<i>Carissa Macrocarpa</i>
Podocarpus, Yew	<i>Podocarpus macrophyllis</i>
Pomegranite	<i>Punica granatum</i>
Poplar	<i>Populus</i> spp.
Potentilla	<i>Potentilla fruticosa</i>
Potentilla	<i>Potentilla fragiformis</i>
Privet	<i>Ligustrum</i> spp.
Protea species	<i>Banksis menresli</i>
	<i>Leucodendron discolor</i>
	<i>Leucospermum</i>
	<i>Cordifolium</i>
	<i>Protea exinia</i>
Pyracantha	<i>Pyracantha coccinea</i>
Raphiolepis	<i>Raphiolepis umbellata</i>
Redwood, Dawn	<i>Melasequoia glyptostroboides</i>
Rhododendron	<i>Rhododendron</i> spp.
Rose, spp.	<i>Rose</i> spp.
Russian Olive	<i>Eleagnis angustifolia</i>
Sargent Cherry	<i>Prunus sergentii</i>
Scotch Broom	<i>Cytisus scoparius</i>
Sedum	<i>Sedum album</i>
Serviceberry, Saskatoon*	<i>Amelanchier ainifolia</i>
Spruce	<i>Picea</i> spp.
Statice	<i>Limonium</i> spp.
St. Johnswort, Golden	<i>Hpericum frondosum</i>
St. Johnswort, Goldencup	<i>Hypericum patulum</i>
Strawberry Tree	<i>Arbutus unedo</i>
Sumac, Staghorn	<i>Rhus typhina</i>
Sweet William	<i>Dianthus barbatus</i>
Syzyglum	<i>Syzyglum paniculatum</i>
Trailing African Daisy	<i>Osteospermum fruticosum</i>
Viburnum	<i>Viburnum</i> spp.
Wedelia	<i>Wedelia triobata</i>
Wisteria, Chinese	<i>Wisteria sinensis</i>
Witchhazel, common	<i>Hamamelis virginiana</i>
Woadwaxen, common	<i>Genista tinctor</i>
Wooly Thyme	<i>Thymus pseudolanuginosus</i>
Xylosma	<i>Xylosma congestu</i>
Yew	<i>Taxus</i> spp.

*For use only on plants that will not bear edible fruit within one year of application.

NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Blanket Flower	<i>Gaillardia aristata</i>
Brassiaia, Dwarf	<i>Brassia actinophylla</i>
Camellia	<i>Camellia japonica</i>

Camellia dianthus caryophyllus
Cedar, Red Juniperus atlantica

NEWLY TRANSPLANTED ORNAMENTALS AND GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Coromandel	Asystesia gangentica
Dogwood, Flowering	Cornus florida
Elm	Ulmus, spp.
Forsythia	Forsythia intermedia
Gazania, Trailing	Gazania uniflora leucoleana
Hackberry	Celtis occidentalis
Ivy, Algerian	Hedera canariensis
Ivy, English	Hedera helix
Hemlock, Canada	Tsuga Canadensis
Holly	Ilex, spp.
Ice Plant	Carpobrotus edule
Juniper	Juniperus, spp.
Leopards - Bane	Doronicum cordatum
Metallic plant	Hemigraphis colorata
Oak	Quercus, spp.
Periwinkle, common	Vinca minor
Periwinkle, Large	Vinca major
Pine	Pinus, spp.
Poplar	Populus, spp.
Privet	Ligustinum, spp.
Protea Species	Banksia menlesii Leucadendron discolor Leucospermum cordifolium Protea exinia
Rhododendron	Rhododendron, spp.
Russian Olive	Eleagnus angustilolia
Spruce	Picea, spp.
Trailing African daisy	Osteospermum fruticosum
Wedelia	Wedelia trilobaia
Wisteria, Chinese	Wisteria sinensis
Yew	Taxus, spp.

FOREST NURSERY APPLICATION

COMMON NAME	SCIENTIFIC NAME
Pine, Lobiolly	Pinus, teada
Pine, Eastern White	Pinus, strobes
Pine, Slash	Pinus, Canbaea

SENSITIVE PLANTS

Under certain growing conditions, the plant varieties listed below may be sensitive to this product. Growers should evaluate usage on a small scale prior to large scale applications.

PLANT SPECIES	VARIETIES
Andromeda (Pieris Japonica)	Snowdrift, Temple Bell
Azalea	Pink Champagne, Hershey, (Rhododendron spp.) Leuchtenfuer, Memoire John Ilearrens, Iliino Crimson, Everest,
Girard	
Cotoneaster	Elchholz, Himalayan, Shagri-la (cotoneaster, spp)
Crapemyrtle	Pettite Red Imperial and (Lagersfroemis indica), Seminole
Bush	
Heath, Spring	Mediterranean Pink (Erica cameo)
Hemlock, Canada	Pendula (Tsuga Canadensis)
Hibiscus	Red Heart (Hibiscus Syriacus)
Rhododendron	Daphnoides, Nova Zembilia, (Rhododendron spp), Catawba Album
Spruce, Norway	Pumila (Picea abies)
Spruce, White	Densata (Picea glauca)
Viburnum	Davidil (Viburnum spp)

50 lb Bag Treats up to 13,100 Sq. Ft.

Follow all Precautionary Statements on this label when using this product on sod farms and nurseries.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only product handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

WHERE, HOW MUCH, AND WHEN TO USE ON ORNAMENTALS

Can be applied anytime of the year prior to weed seed germination to both newly transplanted and established actively growing or dormant ornamental plants where both weed control and fertilization is desired. Rainfall or overhead irrigation will improve weed control activity. Do not mix into soil. Disturbing or cultivating the soil after treatment may reduce weed control results. Do not apply granules to wet foliage or under conditions in which granules will collect on leaves, if so, sprinkler-irrigate the plants to move granules off foliage and down to soil level. Do not apply in greenhouses as plant injury may likely result. Use the higher application rates for areas where weed pressure and weed seed germination is expected to be heavy. For best pre-emergence weed control around these ornamental plants first remove any existing weed growth and rake, cultivate and smooth the soil surface by breaking-up clumps. Apply before weed seeds germinate (see map for regions) by broadcasting the granules evenly over the prepared soil at a 2.3 or 4 lb active ingredient/acre rate depending on the presence of susceptible or difficult-to-control weed species and expected weed pressure (refer to list of annual weeds).

APPLICATION RATES FOR ORNAMENTALS		
lbs. a.i. per acre	lbs. of this product per acre	lbs. of this product per 1,000 sq. ft.
2 lbs.	166 lbs.	3.81 lbs.
3 lbs.	250 lbs.	5.74 lbs.
4 lbs.	333 lbs.	7.65 lbs.

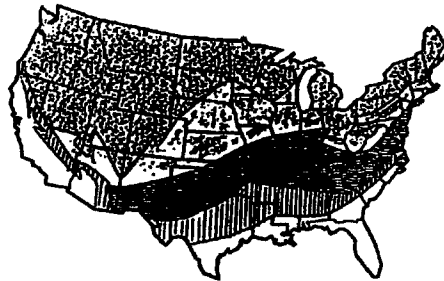
11
—
11






CONTROLS ANNUAL BROADLEAF WEEDS AND ANNUAL GRASSES

Annual Bluegrass	Foxtail, Green, Bristly	Redroot Pigweed
Annual Sedge	Fall Panicum	Sensitive plant
*Barnyardgrass	Florida Pusley	Shepardspurse
Bittercress	*Galinsoga	Sow Thistle
Carpetweed	Golden Ragwort	Speedwell
Carpetgrass	*Goosegrass	Spotted Catsear
Common Groundsel	**Jungle Ricegrass	Spurge, Garden, Petty
Common Purslane	Lambsquarter	**Prostrate
Crabgrass	**Liverwort	Stinging Nettle
*Evening Primrose	Oxalis	*Swinecress
Fireweed	**Panama Paspalum	Virginia Buttonweed
Field Sandbur	Pennsylvania Smartweed	Yellow Woodsorrel

For weeds listed above without an asterisk use the 2 lbs. a.i./acre rate. See chart for lbs. of this Product. *For weeds listed above with 1 asterisk, use 3 to 4 lbs. a.i./acre. See chart for lbs. of this product. **For the difficult-to-control weeds with 2 asterisks above, use the 4 lbs a.i./acre rate. See chart for lbs. of this product.

Crabgrass Seed Germination Dates



	Approximate Date
Mid-north & northwestern	 After May 30
Upper/mid-states & northeast	 After May 10
Lower mid-states	 After April 20
Upper southern states	 After March 20
Warm season states	 January 1 to March 20

NET WEIGHT 50 POUNDS (20; 25; 40)

HARRELL'S LLC

P.O. Box 807 – Lakeland, FL 33802

Batch No.