

52287-14

09/28/2007

1/12



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

52287-14

Date of Issuance:

28 SEP 2007

Term of Issuance:

Unconditional

Name of Pesticide Product:

Turf Fertilizer with
Ronstar 1.20

Name and Address of Registrant (include ZIP Code):

Harrell's Inc.
300 W. Fifth Street, #411
Charlotte, NC 28202

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/reregistered 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 reregistered in accordance with FIFRA section 4(g)(2)(C) provided that you :

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Joanne J. Miller

Joanne J. Miller, Product Manager 23
Herbicide Branch, Registration Division (7505P)

Date:

28 SEP 2007

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EPA Reg # 52287-14

2. Make all of the changes detailed in the attached document "Summary of Comments on Ronstar 0"
3. Submit final labeling for this product **within 30 days** of the date of this letter.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions you call Tobi Colvin-Snyder at 703-305-7801.

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Summary of Comments on RONSTAR® 0

Page: 1

Author: tsnyder
Subject: Note
Date: 9/27/2007 11:18:39 AM

 Change order of first aid statements to "If In Eyes", "If on Skin", "If Inhaled", and "If Swallowed".


Author: tsnyder
Subject: Cross-Out
Date: 9/27/2007 11:14:28 AM



Author: tsnyder
Subject: Cross-Out
Date: 9/27/2007 11:14:12 AM



Author: tsnyder
Subject: Inserted Text
Date: 9/27/2007 11:13:56 AM

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

Author: tsnyder
Subject: Cross-Out
Date: 9/27/2007 11:14:35 AM



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Page: 2

Author: tsnyder
Subject: Inserted Text
Date: 9/27/2007 11:20:03 AM

T_A clothing/

Author: tsnyder
Subject: Replacement Text
Date: 9/27/2007 11:23:40 AM

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

Author: tsnyder
Subject: Cross-Out
Date: 9/27/2007 11:23:48 AM

T

Author: tsnyder
Subject: Note
Date: 9/27/2007 11:25:51 AM

 Add a Non-Agricultural Use Requirements section in a box that contains the following:

NON-AGRICULTURAL 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 only 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.

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Page: 4

Author: tsnyder

Subject: Inserted Text

Date: 9/27/2007 11:45:10 AM

T_A To the extent permitted by applicable law,

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TURF FERTILIZER WITH RONSTAR 1.20

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 RONSTAR® 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.)

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
2 8 SEP 2007**

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

52287-14

FIRST AID

HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER, OR DOCTOR OR WHEN GOING FOR TREATMENT

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. **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:** 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.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes eye and skin irritation. Avoid contact with skin, eyes or clothing. Do not graze livestock in treated areas. Do not contaminate water, food, or feed by storage or disposal.

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 when 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.

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 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; ~~waterproof gloves, chemical resistant footwear plus socks, protective eyewear, and chemical resistant headgear for overhead exposure.~~

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: 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 (Digitaria, spp.) Goosegrass (Eleusine indica) Field Sandbur (Cynchusincertus) Annual Sedge (Cyperuscompressus) Annual Bluegrass (Poa annua 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 (Diodia virginiana) Pigweed (Amaranthus spp) Florida Pusley (Richards scabra) Oxalis (Oxalis spp.) Stinging Nettle (Urtica dolca) Carpetgrass (Axonagus offinis)	<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 (Poa annua 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 Poa annua spp. seed germination. Any Poa annua 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 Poa trivialis 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 Poa annua. The true <u>annual</u> biotype, "POA annua spp. annua" which germinates from seed every year is <u>controlled</u> while the biotype, "Poa annua spp. raptans" 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
Carpgrass	Florida Pusley	Pennsylvania Smartweed	Stinging Nettle
Common Groundsel	*Galinsoga	Redroot Pigweed	*Swinecress
Common Purslane	Golden Ragwort	Sensitive Plant	Virginia Buttonweed
Crabgrass	*Goosegrass	Shepardspurge	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: 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, INC.
P. O. BOX 807
LAKELAND, FL 33802

TURF FERTILIZER WITH RONSTAR 1.20

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 1.20% AI Ronstar® Pre-emergence Herbicide with Harrell'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	Abuillon pictum
Acacia	Acacia spp.
Agapanthus	Agapanthus africanis
Alamanda, Common	Alamanda cathartica
Andromeda	Pieris spp.
Aralla	Aralla spinosa
Arborvira	Thuja spp.
Ash, Green	Fraxinus pennsylvanica
Azalea	Rhododendron
Baby's Breath	Gypsophyllia paniculate
Bald Cypress	Takodium distichum
Bamboo, Feathery	Bambusa vulgaris
Banyan, weeping	Ficus benghalensis
Barberry	Berberis spp
Beefsteak Plant	Acalypha wilkesiana
Bearberry	Arcostaphylos uva-ursi
Beech, European	Fagus sylvatica
Birch, Paper	Betula papyrifera
Blanket Flower	Gallardia aristata
Blazing Star	Liatris spicata
Boxwood, Japanese	Buxus microphylla
Boxwood, Common	Buxus sempervirens
Bouganvillea	Bouganvillea spectabilis
Brassaia, Dwarf	Brassaia actinophylla
Buddiela	Buddiela davidii
Bugle Flower	Ajuga reptans
Callistemon	Callistemon lanceolata
Camellia, common, Jap	Camellia japonica
Camellia, Sasanque	Camellia Sasanqua
Candytuft	Iberis sempervirens
Carissa	Carissa macrocarpa
Carnation	Dianthus caryophyllus
Ceanothus	Ceanothus americanus
Cedar, Red	Juniperus virginiana
Cedar, Atlas	Cedrus atlantica
Cistus	Cistus purpureus
Citrus, Ornamental*	
Grapefruit	Citrus paradisi
Lemon	Citrus limon
Lime	Citrus aurantifolia Bears
Mandarin	Citrus reticulata
Tangelo	Citrus Xtangelo Minneola
Tangerine	Citrus reticulata var. tangerine
Temple	Citrus Xnobilis temple
Cuban Shaddock	Citrus maxima
Valencia	Citrus sinensis
Washington Navel	Citrus sinensis
Cleyera	Cleyera japonica
Coreopsis	Coreopsis lanceolata

ESTABLISHED ORNAMENTALS/GROUND COVERS

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

ESTABLISHED ORNAMENTALS/GROUND COVERS COMMON NAME SCIENTIFIC NAME

Ochana	Ochana serrulata
Ohal	Samanea saman
Oleander	erlum oleander
Orthosiphon	Orthosiphon stamineus
Osmanthus	Osmanthus heterophyllus
Pachysandra	Pachysandra terminalis
Palm, Bamboo	Rhapi exceisa
Palm, Fishtail	Caryota, spp.
Palm, Licuala	Licualo Thumb, spp.
Palm, Macarthur	Phychosperma macarthuri
Palm, Mabnee	Euterpe, spp.
Palm, Manlia	Veltchia merilli
Palm, Parlor	Collinia elegans
Palm, Rattan	Daemonorops, spp.
Palm, Scaling wax	Cyrtostachyus lakka
Palm, Sugar	Arengae sacchanifera
Paperbark Tree	Melaieua leucadendra
Peony	Peonia, spp.
Periwinkle, common	Vinca minor
Periwinkle, Large	Vinca major
Pholinia, Frasieris	Photinis Irasieri
Poinciana	Dolomix regea
Pine	Pinus, spp.
Pittosporum, Japanese	Pittosporum tobira
Plum, Natal	Carissa Macrocarpa
Podocarpus, Yew	Podocarpus macrophyllis
Pomegranite	Punica granatum
Poplar	Populus, spp.
Potentilla	Potentilla fruticosa
Potentilla	Potentilla fragriformis
Privet	Ligustrum, spp.
Protea species	Banksis menresii Leucodendron discolor Leucospermum Cordifolium Protea exinia
Pyracantha	Pyracantha coccinea
Raphioiepis	Raphioiepis umbellate
Redwood, Dawn	Melasequoia glyptostroboides
Rhododendron	Rhododendron spp.
Rose, spp.	Rose, spp.
Russian Olive	Eleagnus angustifolia
Sargent Cherry	Prunus sergentii
Scotch Broom	Cytisus scoparius
Sedum	Sedum album
Serviceberry, Saskatoon*	Amelanchier ainifolia
Spruce	Picea, spp.
Statice	Limonium, spp.
St. Johnswort, Golden	Hpericum frondosum
St. Johnswort, Goldencup	Hypericum patulum
Strawberry Tree	Arbutus unedo
Sumac, Staghorn	Rhus typhina
Sweet William	Dianthus barbatus
Syzyglum	Syzyglum paniculatum
Trailing African Daisy	Osteospermum fruitcosum
Viburnum	Viburnum, spp.
Wedelia	Wedelia trilobata
Wisteria, Chinese	Wisteria sinensis
Witchhazel, common	Hamamelis virginiana
Woadwaxen, common	Genista tinctor
Wooly Thyme	Thymus pseudolanugirosis
Xylosma	Xylosma congestu
Yew	Taxus, 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	Gallardia aristata
Brassaia, Dwarf	Brassaia actinophylla
Camellia	Camellia japonica
Carnation	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 leucocleana
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	Ligustrum, spp.
Protea Species	Banksia menziesii Leucadendron discolor Leucospermum cordifolium Protea eximia
Rhododendron	Rhododendron, spp.
Russian Olive	Eleagnus angustifolia
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, Loblolly	Pinus, taeda
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, Iino Crimson, Everest,
Girard	
Cotoneaster	Elchholz, Himalayan, Shagri-la (cotoneaster, spp)
Crapemyrtle	Petite 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 Zembla, (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.

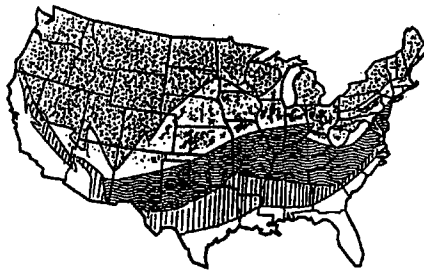
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CONTROLS ANNUAL BROADLEAF WEEDS AND ANNUAL GRASSES

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
Field Sandbur	Pennsylvania Smartweed	Buttonweed
		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, INC.

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