413/2009



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

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. Robert F. Bischoff Agent for Harrell's LLC C/O TotalTurf Consulting LLC 26 A.A Cooper Rd. Meigs, GA 31765

APR 3 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated March 3, 2009 for:

EPA Registration 52287-11 Fertilizer with Starteem # 2

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-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 <u>nonrefillable</u> containers. The code may appear either on the label (and can be added by nonnotification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

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

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	-	nited States		ļ	Registra		OPP Identifier Number
\$epa		Protection Age	ency		Amend	ment	
	vvasni	ngton, DC 20460			Other		
		Application for	Pesticide - S	Section	1		
. Company/Product Nur	nber	· · · · · · · · · · · · · · · · · · ·	2. EPA Product	Manager		3. Pr	oposed Classification
52287-11		·	Joanne I. Mill	er			None Restricted
4. Company/Product (Name)			PM#				
Fertilizer with Starte	em #2		23				
. Name and Address of	Applicant (Include ZIP Co	de)					FIFRA Section 3(c)(3)
Harrell's LLC			1.			tical in co	mposition and labeling
P. O. Box 807	0		EPA Reg. No	ь. <u>N/A</u>		NO	TIFICATION
akeland, FL 3380							
Check if	this is a new address		Product Nan	ne		<u></u> AH	PR 0 3 2009
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Notification - Expl	ain below.		Other -	Explain b	elow.		
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-	tional page(s) if necessary	-					
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TotalTurf Consulting LLC 26 A. A. Cooper Rd. Meigs, GA 31765

Direct: 843-384-2807 Fax: 229-683-3426 E-Mail: rbcooper@juno.com

March 3, 2009

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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: Linda Arrington

Subject: Fertilizer with Starteem #2 EPA Reg. No. 52287-11 Notification to Comply with PR Notice 2007-4

Dear Ms. Arrington:

In response to PR Notice 2007-4 concerning container reuse and related container label statements for pesticide products, labeling for the subject product has been revised to comply with this Notice. The revised label is being submitted by notification 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 Highlighted Final Printed Label (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 T. Beschoff

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

A PRE-EMERGENCE HERBICIDE FOR USE ON GOLF COURSES, SOD FARMS, PARKS, ATHLETIC FIELDS, FEDERAL, MUNICIPAL, CORPORATE LAWNS

50 lb. Bag Treats up to 10,870 Sq. Ft.

FOR SALE TO AND USE BY PROFESSIONAL APPLICATORS ONLY. NOT FOR USE BY HOMEOWNERS/CONSUMERS. FOR USE BY OR ON GOLF COURSES, SOD FARMS, COMMERCIAL NURSERIES, TURF MANAGEMENT FIRMS, MUNICIPAL, FEDERAL, AND CORPORATE PARK, LANDSCAPE, AND GROUNDS MAINTENANCE PERSONNEL.

STARTEEM® is 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 INGREDIENTS:

INDIALDILIATO.	
Oxadiazon [CAS No.19666-30-9]	0.75%
Benfluralin [CAS No.1861-40-1]	0.25%
Trifluralin [CAS No.1582-09-8].	
OTHER INGREDIENTS:	
	Total 100.00%

EPA Reg. No. 52287-11

EPA Est. No. 52287-FL-1

CCCC

GUARANTEED FERTILIZE	ER ANALYSIS	
Total Nitrogen (N) Ammoniacal Nitrogen Urea Nitrogen Available Phosphoric Acid (P ₂ O ₅) Soluble Potash (K ₂ O) Derived from Ammonium Phosphate, Ur Muriate of Potash	XX% XX% XX% XX%	

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID

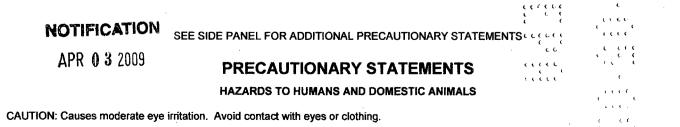
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days ϵ week, 6:30 am to 4:30 pm Pacific Time (NPIC Web Site: npic.orst.edu).



20090303.Final Label



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LIZER with STARTEE

A PRE-EMERGENCE HERBICIDE FOR USE ON GOLF COURSES, SOD FARMS, PARKS, ATHLETIC FIELDS, FEDERAL, MUNICIPAL,

CORPORATE LAWNS

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators, and other handlers must wear: long-sleeved shirt and long pants, shoes and socks, and chemical resistant gloves made of waterproof materials. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and ovsters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not 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 or rinsate.

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 of Tribe, consult the agency responsible for pesticide regulation. 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, and nurseries, 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 project 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. 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, wear:coveralls over long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves made of any waterproof material.

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. 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. PESTICIDE 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: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Nonrefillable container, Do not refill this container, offer for recycling if available. Completely empty bag into application equipment. Then dispose of empty bag in a senitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. , o 0000 Ô.

с с Harrell's now offers the Golf Course Superintendent and Grounds Maintenance managers us used of the second Harrell's now offers the Golf Course Superintendent and Grounds Maintenance Managers the "tested" "STARTEEM-SPLIT". A pre-emergence o

Controls Crabgrass, Goosegrass, Poa Annus, Annual Sedge and other weeds as listed; On Golf Courses, Commercial Lawns, and other Athletic and/or Recreational, Ornamental Turf. If you are serious about getting rid of annual grassy and certain broadleaf weeds before they go to seed. Here's how to do it. Use STARTEEM # 1 and then STARTEEM # 2 OR for hard-to-kill weeds follow # 1 with STARTEEM # 3. 00 0

HOW MUCH TO USE AND WHEN TO APPLY THEM!

STARTEEM # 1 is to be used as the first application; STARTEEM # 2 (a different formula), is to be used as the second application of a seasonal (Split-application program) both products to be used at a rate of 200 lbs./acre (equal to 4.6 lbs. /1000 sq. ft.) STARTEEM may be applied to "established" perennial Bluegrass, Bentgrass, (see restrictions), Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustin-gracs, Seashore aspalum, Tall Fescue and Zoysiagrass turf, at condominium complexes, corporate and public parks, golf courses, sod farms, athletic fields,

lnf(l)

A PRE-EMERGENCE HERBICIDE FOR USE ON GOLF COURSES, SOD FARMS, PARKS, ATHLETIC FIELDS, FEDERAL, MUNICIPAL, CORPORATE LAWNS

playgrounds, and other ornamental and recreational turfgrass areas. 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, do not overlap spreader applications, especially on St. Augustinegrass since discoloration "streaking" may temporarily occur from the "doubled rate". Observe the maximum rate of St. Augustinegrass and Bentgrass of <u>one application of each STARTEEM # 1 AND STARTEEM # 2</u> or # 3 per 1,000 sq. ft. per year) See below for restrictions when using on Bentgrass. After applications if rain in not expected within 24 hours sprinkler irrigate the treated turf with up to a ¼ inch of water to get maximum weed control and quicker response from the fertilizer nutrients. STARTEEM #1 and #2 must be applied prior to weed seed germination (see map of U.S.). It will not control growing weeds.

Veeds Controlled	FIRST	SECOND	Directions		
Crabgrass (Digitaria, spp.) Goosegrass (Bleusine indica) Field Sandbur(Canchusincertus) Annual Sedge (Cyperuscompressus) Annual Bluegrass (Poa annua spp.) See Note below)	APPLICATION STARTEEM #1 *Apply 200 lbs. product per acre equal to 4.6# / 1,000 sq. ft.	APPLICATION STARTEEM #2 or #3 Apply 200 lbs. per acre equal to 4.6# / 1000 sq. ft.	*Apply 60 to 90 days apart 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. Apply in late summer to early fall prior to weed seed germination.		
/irginia Buttonweed(Diodia virginiana) Pigweed (Amaranthus spp) Florida Pusley (Richards scabra) Dxalis (Oxalis spp) Stingling Nettle (Urtica dolca) Carpetgrass (Axonagus offinis)	Apply 200 lbs product per acre equal to 4.6# / 1,000 sq. ft.	Apply 200 lbs per acre equal to 4/6# / 1,000 sq. ft.	Apply in early spring prior to weed see germination.		
Fall Ap	plication for Spring	Weed Control in Co	ol Season Turf		
Crabgrass, Goosegrass and other annual weeds as listed	Apply 200 lbs per acre equal to 4.6# / 1,000 sq. ft.	Apply 200 lbs. per acre equal to 4.6# / 1,000 sq. ft.	For use in Bluegrass, Bentgrass, perennia Ryegrass and Tall Fescue. Make application in the fall after turf has become dormant. Fo late fall applications, seeding into treated areas should be delayed until 4 months after green up.		
Annual Bluegrass Contro	l in Bermudagrass	Fairways Over seed	ed with Perennial Ryegrass only		
Annual Bluegrass (Poa Annua spp)	200 lbs. / A	4.6# / 1,000 sq. ft.	Apply in late summer to early fall prior to Poa Annua spp. seed germination. Any Poa Annua		
<u>NOTE:</u> In many areas annual blue subspecies of Poa Annua. The true which germinates from seed every y Annua spp. raptans" which behaves the summer as an established pla Extension service or University w information concerning your locale.	annual biotype, "POA A ear <u>is controlled</u> while s like a <u>perennial</u> and ant, <u>cannot be contro</u>	Annua spp annua" the biotype, "Poa survives through <u>lled</u> . Consult the	spp. established when this product is applied will not be controlled. It should not be applied closer than 60 days to over seeding. Do no use when Poa trivialis is present in the overseed mixture. Apply the full 200 lb. Rate per acre in one application.		
		ring establishment			
Berm	udagrass, Zoysia	igrass and Seasho	re Paspalum		
Crabgrass and Goosegrass, Annual Sweeds.	Sedge and other ann	ual 200 lbs. / per acre	200 lbs. / per acre		
14 days after sprigging. Applications	made close to the to plication may disrupt	ime of sprigging may of the herbicide barrier an	g. For Seashore Paspalum make application 10 to cause objectionable Seashore Raspalum injury d reduce effectiveness. For best results sprinkle		

A single application rate must not exceed 200 lbs of product per acre which is equivalent to 4.6 lbs of product per 1,000 sq. ft. and 1.5 lb of oxadiazon active ingredient per acre and 0.5 lb of benfluralin active ingredient per acre. The maximum application rate for cll Starteem treatments is 3.5 lbs of oxadiazon active ingredient per acre per year and 1.25 lbs of benfluralin active ingredient over acre per year. Do not apply more than two (2) applications per year. Applications to plants that will bear fruits, berries, or nuts within 12 months are not allowed. Aerial application is prohibited. Not for use on home lawns, in field grown ornamental nurseries, on ornamental bulbs, or in Christmas tree plantations. Do not apply this product in a way that will contact workers or other persons (or pets), either directly or through drift. Only protected handlers may be in the area during application. This product must be watered in as soon as possible after application. Watering-in must be performed by watered in as soon as possible. Do not enter or allow others (including children or pets) to enter the treated areas (except those involved in the watering) until the watering-in is complete and the surface is dry.

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ILIZER with STARTEEM®

A PRE-EMERGENCE HERBICIDE FOR USE ON GOLF COURSES, SOD FARMS, PARKS, ATHLETIC FIELDS, FEDERAL, MUNICIPAL, **CORPORATE LAWNS**

PRECAUTIONS IN USING: For St. Augustine grass and Bentgrass turf DO NOT exceed the rate of one application of each STARTEEM#1 and STARTEEM #2 per 1,000 sq. ft. / year. DO NOT apply to Bentgrass turf mowed less than 3/8 inches. 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 Use the STARTEEM-SPLIT application!

Weed control and better turf management can be programmed by using the "STARTEEM-SPLIT" weed control program. Starting 40 to 60 days before expected weed seed germination, apply STARTEEM #1 at a rate of 200 lbs. per acre and follow within 60 days with an application of STARTEEM #2 at the 200 lb. per acre rate. This program supplies 2.5 lbs. of Oxadiazon per acre, per year and 2.5 lbs. of the combination of the Benefin and Trifluralin per acre, per year.

If "Hard-To-Kill" weeds (as listed below) with the asterisk (*) are known to be prevalent in the turfgrass area use STARTEEM® #3 as the second application after STARTEEM® #1 applied at 200 lbs. per acre (equal to the 4.6 lbs per 1,000 sq ft)

Annual SedgeFireweedLambsquarterSpeedwell*BarnyardgrassField Sandbur**LiverwortSpotted CatsearBittercressFoxtail; Green, BristlyOxalisSpurge; Garden,	
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 Buttonwe	ed
Crabgrass *Goosegrass Shepardspurse Yellow Woodsorr	əl

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 S	SETTINGS	
Spreader Settings for	STARTEEM® #1	STARTEEM® #2	STARTEEM® #3
Cyclone B3-Pro	#x.x	#x.x	#x.x
For Scotts Pro R-8A	#x.x	#x.x	#x.x
All STARTEE	A products #1; #2; and #3 apply	at 200 lbs / Acre = to 4.6# / 1,000	sq. ft.
Plan on an approximately 3 m before application. Incorrect app		est coverage. Know the exact so or poor weed control.	uare footage of your area

FOR SPRING APPLICATION TO UNIVERSITY, FEDERAL, CORPORATE, MUNICIPAL LAWNS, CEMETERIES, PARKS, ATHLETIC FIELDS, SOD FARMS, CONDOMINIUMS UNDER MANAGEMENT. FOR PRE-EMERGENCE WEED CONTROL, use a STARTEEM®-SPLIT PROGRAM!

STARTEEM® may be applied to "established" varieties of perennial Bluegrass, Bentgrass (see restrictions), Bermudagrass, Buffalograss, Perennial Ryegrass, St. Augustinegrass, Seashore Paspalum, Tall Fescue, and Zoysiagrass. Weed control and better turf management can be programmed by using the "STARTEEM-SPLIT" weed control program. Starting 40 to 60 days before expected weed seed ger mination, apply STARTEEM® #1 at a rate of 4.6 lbs per 1,000 sq. ft. and follow with a second application using STARTEEM® #2 at the same rate within 60 days of the first application. This program supplies 2.5 lbs of Oxadiazon per acre, per year and 2.5 lbs of the pomplication of the Benfluralin and Trifluralin per acre, per year. CCCC

If "Hard-To-Kill" weeds, as listed below with the asterisk (*) are known to be prevalent in the area, use STARTEEM® #2 ac the second application after STARTEEM® #1 applied at 200 lbs per acre (equal to the 4.6 lbs per 1,000 sq. ft.) . (6 6 6 6 6

WHEN TO APPLY AFTER OVERSEEDING TURF

..... Do not apply to over-seeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species if overseeded too soon after application. Delay overseeding or reseeding 60 to 90 days.

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A PRE-EMERGENCE HERBICIDE FOR USE ON GOLF COURSES, SOD FARMS, PARKS, ATHLETIC FIELDS, FEDERAL, MUNICIPAL, CORPORATE LAWNS

Annual Bluegrass Annual Sedge *Barnyardgrass Bittercress Carpetweed Carpetorass Common Groundsel **Common Purslane** Crabgrass *Evening Primrose Fireweed Field Sandbur

Controls Annual Broadleaf Weeds and Annual Grasses

Fall Panicum Florida Pusley *Galinsoga Golden Ragwort *Goosegrass **Jungle Ricegrass Lambsquarter **Liverwort Oxalis **Panama Paspalum Pennsylvania Smartweed **Redroot Piaweed** Sensitive plant Shepardspurse Sow thistle Speedwell Spotted Catsear Spurge, Garden, Petty, **Prostrate Stinging Nettle *Swinecress Virginia Buttonweed Yellow Woodsorrel

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Use STARTEEM #1 then STARTEEM #2 as a SPLIT application for control of these weeds. For "hard-to-kill" weeds with asterisk, use STARTEEM #3 as the Second Application.



Approximate Crabgrass Seed Germination Dates In the U.S.A.

	Approximate Date
7411	After May 30
	After May 10
	After April 20
<u> </u>	After March 20
С	January 1 to March 20

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

Net Weight 50 Pounds

Harrell's, LLC P.O. BOX 807 Lakeland, FL 33802

Batch No:

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A PRE-EMERGENCE HERBICIDE FOR USE GOLF COURSES, NURSERIES, GARDEN CENTERS, PARKS, and MUNICIPAL, FEDERAL, CORPORATE LAWNSCAPES.

	COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME	COMMON NAME	MENTLUS & GROUND (DVERS
AME		Calluna vulgaris		-		SCIENTIFIC NAME
1	Heliotropium arborasc	canuna vuigaris		Rose, spp.	Sweet William	Dianthus barbatus
		Tsuga Canadensis		Eleagnus angustifoli	Syzygium	Syzygium paniculatum
canis	Hibiscus	Hisbiscus, spp.	Sargent Cherry	Pruus sergentii	Trailing African Daisy	
artica	Honeysuckle	Lonicera, spp.				fruticosum
		llex, spp.	Scotch Broom	Cytisus scoparius	Viburnum	Viburnum, spp.
	Ice Plant	Carpobrotus edule	Sedum	Sedum album	Wedelia	Wedelia trilobata
	llima	Sida fallax	Serviceberry, Saskatoon*		Wisteria, Chinese	Wisteria sinensis
anica	lvy, Algerian	Hedera canariensis		Picea, spp.	Witchhazel, common	Hamamelis virginiana
	lvy, English	Hedera helix	Statice	Limonium, spp.	Woadwaxen, commoi	n Genista tinctori
iculate	Jasmine, Orange	Murray paniculeta	St. Johnswort, Goldencuj			
hum	Jasmine, Primrose	Jasminum mesyni	St. Johnswort, Golden	Hypericum frond	osum	
ris	Jasmine, Star Trachel	ospernum jasminicides	Strawberry Tree	Arbulus unedo	Wooly Thyme	Thymus
isis	Jasmiine, Showy	Jasminum floridum Juniperis, spp.	Sumac, Staghorn	Rhus typhina	Xylosma	pseudolanugirosis
iana	Juniper Justica	Justice brandegeana			Yew	Taxus spp.
uva-ursi	Kwanzan Cherry	Prunus serrulata	For use on plan	te that will not h	ear edible fruit w	••
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Lamb's Ear	Stachys byzantina	i or use on plai	application.		Iumii year or
na	Lantana, Trailing	Lantana montividensis				
ite		Cheirodendron, spp.	NEW TRANSPL	ANTED ORNAMEN	ITALS AND GROUN	D COVERS
	Larch, European	Larix deciduas	COMMON NAME		SCIENTIFI	
dia	Laurel, English	Prunus laurocerasus	Blanket Flower		Gaillardia	
ens	Leopards — Bane	Doronicum cordatum	Brassaia, Dwarf		Brassia ac	
pectablis	Leucothoe, Coast	Leucothoe exillaris	Camelia		Camelia ja	Bonica
phylia	Leucothoe, Drooping	Leucothoe fontanesia	Carnation		Diianthux	caryophyllus
1	(catesbaei		Cedar, Red		luniperus	atlántica
_	Lily of the Nile	Agapanthus, umbellatus	Coromandel		Asystesia	gangentica
reolata	Lilac	syringa, spp.	Dogwood, Flow	ering	Asystesia (Cornus flo	rida
2	Littleleaf Linden Tilia	cordate	Elm	0	Ulmus, spi	p. Intermedia
ua		Eriobotrya japonica	Forsythia		Forsythia	intermedia
AS	Magnolia	Magnolia, spp.	Gazánia, Trailin	g		niflora leucoleana
rpa	Mahonia, Grape Holly	Mahoma aquitolium	Hackberry		Celtis occi	dentalis
phyllus	Money Tree	Pleomale marginata	lvy, Algerian		Hedera ca	nariensis
ricanus	Murraea Murraea	Murraea exotica	lvy, English	I_	Hedera He	
jana I	Murraea	Murraea exotica Murraea paniculata	Hémlock, Canad	a	Tsuga can	adensis
\$		Myoporum laetum	Holly Ice Plant		llex, spp. Carpobroti	ur adula
,	Nyrtus communis	nyoporum naetum	uniper		Luniperus,	us equie
	Nandina	Nandina domestics	Leopards-Bane		Doronicum	spp. 1 cordatum
	Oak	Quercus, spp.	Metallic Plant			nis colorata
lia Bears	Öchana	Ochana serrulate	Oak		Onercus	ing colorata
	Ohai	Samanea samanerium	Periwinkle, Con	mon	Quercus, s Vinca min	ምሥ or
Minneola	Oleander	Oleander	Periwinkle, Larg		Vinca maj	or
var.tangerine	Orthosiphon	Orthiosiphon stamineus	Pine)-)	Pinus, spp	
Temple	Osmanthus	Osmanthus heterophyllus	Poplar		Populus, s	DD.
	Pachysandra	Pachysandra terminalis	Privet		Ligustrum, Baksia me	, spp.
	Palm, Bamboo	Rhapi excelsa	Protea Species		Briksia me	enlesii
	Palm Fishtail	Caryota, spp.				ron discolor
a	Palm, Licuala	Licualo Thumb.spp.		•	Leucospernu	
olate	Palm Macarthur	Plychosperme macarthuri			Cordifoliur	
ntica	Palm, Mabnee	Euterpe, spp	Rhododendron		Protea exi Bhadadaa	
р.	Palm manila Balm Barlar	Veitchia merillii	Russian Olive		Rhododen	aron, spp. angustifolia
adica	Palm, Parlor Palm, Patton	Collinia elegans			Picea, spp	mRazaiona
ndica	Palm Rattan Palm,Scaling Wax	Deemonorops, spp.	Spruce Trailing African	Daisy	Actonenari	num fruticosum
, spp.	Palm, Sugar	Cytrostachuys lakka Arenge sacchanifera	Wedelia	Junio	Wedelia ti	
leylandii	Paperbark Tree	Melateuca leucandendra	Wisteria, Chines	e	Wisteria s	
	Peony	Peonia, spp.				
	Periwinkle, common	Vinca minor	Use on Law	inscapes. N	urseries. Pa	irks, Cemeteri
	Periwinkle, Large	Vinca major		nters, Uni		ກໍ່ອິນັດ Groun
pp.	Photinia, Frasiers	Photinis frasieri		landeranee	for nro-6	mergence w
••	Poinciana	Dolonix regea	control arou	anuscapes	tal Shruhe	Vines, Trees a
ra	Pine	Pinus spp.	Ground Cove			
	Pittosporum, Japanese	Pittosporum tobira	Ground Cove	13.		C
enziesii	Plum, Natal	Carissa macrocarpa	WHERE	HOW MUCH	AND WHEN TO	OUSE around
	Podocarpus, Yew	Podocarpus macrophyllis				ccc ·
	Pomegranite	Punica granatum	STARTEEM® pre-			anytinie of the year
	Poplar	Populus spp.	to weed seed nem	nination to both n	ewl: transplanted	and established act
itus 		Potentilla fruiticosa				d control and fertiliza
shavicus		Potenitilla fragiformis				lucts can be tailored
rfunei	Privet	Ligustrum, spp				
obtuse	Protea species	Banksis menresi				ad firigation will imp
pisitera		Leucodendron discolor				or cultivating the soil
eciosa		Leucospernum				ly granules to wet fol
nedia poidoc		Cordifolium Protos avisis				
	Puracantha					sol level. Do not app
a / eucoleana						2 (4 (
	Redwood Dawa	Mataranuoja divahastrahaidas			-	
niculata	Rhododendron	Rededendron con				
noides		Raphiolepis Redwood, Dawn	coleana Pyracantha Protea exinia Pyracantha Pyracantha coccinea Raphiolepis Raphiolepis umbellate Redwood, Dawn Metaseguoia glyphostraboides Rhododendron. Rhododendron spp.	coleana Pyracantha Pyracantha Pyracantha Coccinea greenhouses as pla Raphiolepis Raphiolepis umbellate greenhouses as pla Redwood, Dawn Metaseguoia glyphostraboides	Protea exinia toleana Pyracantha Pyracantha coccinea Raphiolepis Raphiolepis umbellate Redwood, Dawn Metaseguoia glyphostraboides R Rhododendron. Rhododendron spp.	Protea exinia toleana Pyracantha Pyracantha coccinea Raphiolepis Raphiolepis umbellate Redwood, Dawn Metaseguoia glyphostraboides R Rhododendron. Rhododendron spp.

A PRE-EMERGENCE HERBICIDE FOR USE GOLF COURSES, NURSERIES, GARDEN CENTERS, PARKS, and MUNICIPAL, FEDERAL, CORPORATE LAWNSCAPES.

For best pre-emergence weed control around these ornamental plants first remove any existing weed growth. 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.

For over all pre-emergence weed control around ornamentals as listed on this label with or without the asterisk use the STARTEEM 1-3 SPLIT Program. First apply STARTEEM #1 OR #2 40 to 60 days before weed seeds germinate; at 200 lbs per acre (equal to 4.6lbs per 1,000 sq. ft.) and follow within 60 days with the second application using STARTEEM #3 at the same rate; 200 lbs per acre.

STARTEEM-SPLIT Application Rates to apply around Ornamentals

FIRST APPLICATION – 40 to 60 days before weed seed germination use STARTEEM #1 or #2 – at 200 # / acre SECOND APPLICATION – applied within 60 days of the first application use STARTEEM #3 at 200 lbs / acre

ANNUAL BROADLEAF WEEDS AND ANNUAL GRASSES

Annual Bluegrass Annual Sedge *Barnyardgrass Bittercress Carpetweed Carpetgrass Common Groundsel Common Purslane Crabgrass *Evening Primrose Fireweed Field Sandbur

Fall Panicum Florida Pusley *Galinsoga Golden Ragwort *Goosegrass *Jungle Ricegrass Lambsquarter *Liverwort Oxalis *Panama Paspalum Pennsylvania Smartweed

Redroot Pigweed Sensitive Plant Shepardspurse Sow thistle Speedwell Spotted Catsear Spurge;Garden;Petty *Prostrate Stinging Nettle *Swinecress Virginia Buttonweed Yellow Woodsorrel

Crabgrass Seed Germination Dates



Mid-north & northwestern Upper/mid-states & northeast Lower mid-states Upper southern states

Warm season states

Approximate Date

-	After May 30
	After May 10
	After April 20
	After March 20
ப	January 1 to March 20

FOREST NURSERY APPLICATION

Common Name Pine, Loblolly Pine, Eastern White Pine, Slash Scientific Name Pinus, teada Pinus, Strobus Pinus, Canbaea

SENSITIVE PLANTS Under certain growing conditions, the plant varieties listed below may be sensitive to this product. Growe

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 jaonica)	Snowdrift, Temple Belt
Azālez	Pink Chanpagne, Hershey,(Rhododendron spp. Leuchtenluer, Memoire John Hearrens, Hino Crimson,White Grandeur, Everest, Girard Roberta
Cotoneaster	Eichholz, Himalayan, Shangri-la (Cotoneaster spp) Petite Red Imperial, and Seminole Bush
Crapemyrtle	Petite Red Imperial, and Seminole Bush
(Lagerstroemis indica)	
Heath, Spring	Mediterranean Pink
(Erica cameo)	
Hemlock, Canada	Pendula
(Tsuga Canadensis)	· · · · · · · · · · · · · · · · · · ·
Hibiscus (Hibiscus Syriacus)	Ked Heart
Rhododendron	Daphnoides, Nova Zentia, Rhododendron Cpp, Clawba Album
Spruce, Norway (Picea ables)	
Spruce, Norway (Picea ables) Spruce, White (Picea glauca)	Densata
Yiburnum	Davidii
(Yiburnum spp)	· (, (
•••	(

EPA Reg. No. 52287-11

Net Weight 50 Pounds

EPA Est No. 52287-FL-1 Batch:No:

NOTIFICATION

APR 0 3 2009

Harrell's, LLC

P. O. Box 807 * Lakeland, FL 33802

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