

52287-6

4/3/2009

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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 52287-6 Turf Fertilizer with Barricade 0.21**

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 nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

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

Sincerely,

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

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





**TURF FERTILIZER WITH BARRICADE® 0.21**

**For Selective Pre-Emergence Control of Grass and Broadleaf Weeds in Landscape Ornamentals Including Established Perennials and Wildflower Plantings. This is a Supplemental Label.**

**ACTIVE INGREDIENT:**Prodiamine, [N<sup>3</sup>, N<sup>3</sup>-Di-*n*-propyl-2, 4-dinitro-6-(trifluoromethyl)-*m*-phenylenediamine]..... 0.21%**INERT INGREDIENTS:**..... 99.79%

Total..... 100.00%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**NOTIFICATION**

APR 03 2009

See the following section, Precautionary Statements, Hazards to Humans and domestic Animals, for additional information.

**Barricade® is a Registered Trademark of Syngenta**

EPA Reg. No. 52287-6

EPA Est. No. 52287-FL-1

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS and DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequent repeated skin contact while handling the material may cause allergic reaction in some individuals.

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

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

**ENVIRONMENTAL HAZARDS**

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters. **IF PRODUCT IS SPILLED:** sweep up and use as per label instruction or dispose of as indicated under STORAGE AND DISPOSAL.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store in original container away from other fertilizer, feed or foodstuffs and separated from other pesticides. **PESTICIDE DISPOSAL:** Nonrefillable container. Do not reuse or refill: this container, offer for recycling if available. **If Empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If Partly Filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is a selective pre-emergent herbicide that provides residual control of many grass and broadleaf weeds in landscape ornamentals, established perennials and wildflower plantings. This product controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least ½ inch of rainfall, irrigation or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application. Not for use on plants being grown: (1) for sale or other commercial use; (2) for commercial seed production or, (3) for research purposes. For use on plants intended for esthetic purposes or climatic modification and being grown in ornamental gardens, parks, on golf courses, or lawns and grounds.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply aerially. Do not apply to golf course putting greens. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

**APPLICATIONS DIRECTIONS**

Apply uniformly through suitable, calibrated, hand held, push or pull type granule spreader application equipment.

**RATES OF APPLICATION**

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All application must be made prior to germination of the target weeds. This product will not control established weeds. The length of time of residual weed control provided by this product is related to the rate applied.

**WEEDS CONTROLLED**

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass	Knotweed
Bluegrass, Annual	Kochia
(Poa Annua)	Lambsquarter, common
Carpetweed	Lovegrass
Chickweed, common	Panicum(Texas, Fall,
Chickweed, Mouseear	Browntop)
(from seed)	Pigweed
Crabgrass (Large, Smooth)	Purslane, common
Crowfootgrass	Pusley, Florida
Cupgrass, Woolly	Rescuegrass <sup>(3)</sup>
Foxtails, Annual	Shepherd's Purse <sup>(2)</sup>

Goosegrass<sup>(1)</sup>  
Henbit  
Itchgrass  
Johnsongrass  
(from seed)  
Junglerice

Signalgrass, Broadleaf  
Speedwell, Persian  
Sprangletop  
Spurge, Prostrate  
Witchgrass  
Woodsorrel, Yellow  
(from seed)

<sup>(1)</sup> In many areas a single application of 310 to 715 lbs. per acre will control goosegrass. However under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 310 to 475 lbs per acre followed after 60 to 90 days by a second application at does that would not exceed a total of 715 lbs per season. <sup>(2)</sup> Application for this weed should be made in late summer, fall, or winter prior to germination <sup>(3)</sup> Suppression Only. Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rate of a total of 715lbs. All applications must be made prior to germination of the weed seeds.

**LANDSCAPE ORNAMENTALS****Including Established Perennials and wildflower Plantings**

This product may be applied for residual preemergence weed control in ornamentals.

**Use Rates**

Apply 310 to 715 lbs. per acre in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 715 lbs per acre.

**Application Timing and Information**

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inches of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application.

Best weed control is obtained when this product is applied to soil free of debris, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate postemergence herbicide.

**Established Landscape Ornamentals**

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash

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residues off plant foliage and activate this product into the soil.

**Newly Transplanted Landscape Ornamentals**

This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

**Tolerant Ornamental Species**

This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. This product may be applied over the top of these species. When plants are under stress (such as heat, drought or frost damage) some cultivars of listed plants may be sensitive to this product.

<u>Scientific Name</u>	<u>Common Name</u>
Abies spp.	Fir species**
Abelia grandiflora	Abelia: Sherwood
Acer palmatum	Japanese Maple
A. platanoides	Norway Maple
Achillea, sp.	Yarrow: King Edward
Actinidia chinensis	Kiwi*
Agapanthus africanus	Lily-of-the-Nile (African Lily)
Agapanthus orientalis	
Akebia quintata	Five-Leaf or chocolate vine
Allium cernuum	Lady's Leek, Nodding Onion
Anemone hybrida	Japanese Anemone
Aquilegia sp.	Aquilegia: Red and Gold
Arctostaphylos densiflora	Vine Hill Manzanita
Arctotheca calendula	Cape Weed
Artemisia sp.	Wormwood; Silver Mound, Castle
Aster sp.	Aster: Bonny Blue, Purple Dome
Aster X Frikartii	
Athrium Filiz-Femina	Lady Fern: Fern Lady
Aucuba japonica	Japanese Aucuba
Begonia sp.	Fibrous Begonia: Hardy Grandis
Berberis gladwynensis	Barberry
B. julianae	Wintergreen Barberry
B. mentorensis	Mentor Barberry
B. thunbergii	Japanese Barberry
B. verruculosa	Warty Barberry
Bergenia cordifolia	
Boltonia asteroides	Snowbank
Bougainvillea spp.	Bougainvillea
Buddleia davidii	Butterfly-Bush(Dwarf Blue) Royal Red
Buxus microphylla	Japanese Boxwood
Callistermon viminalis	Weeping Bottlebrush
Calluna vulgaris	Scotch Heather
Campanula carpatica	Tussock Bellflower(white clips)
Campis X Tagliabuana	Trumpet Creeper, Trumpet Flower, Madame Galen
Carpobrotus edulis	Hottentot Fig (Ice Plant)
Cassia artemisoides	Feathery Cassia
Ceanothus rigidus	Wild Lilac
Ceratostigma	
Plumbagonoides	
Chamaecyparis pisifera	False Cypress
Chrysanthemum nipponicum	
Cleyera japonica	Cleyera

Citrus spp.	Citrus species*
Coreopsis sp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
Cornus florida	Flowering Dogwood
C. stolonifera	American Dogwood
Cortaderia selloana	Pampas Grass
Cotoneaster apiculatus	Cranberry Cotoneaster
C. buxifolius	Cotoneaster
C. dammeri	Bearberry Cotoneaster
C. microphyllus	Rockspray Cotoneaster
Cretaeus spp.	Hawthorne
Crocossia sp.	Lucifer
Cupressus sempervirens	Italian Cypress
Delosperma alba	White Trailing Ice Plant
Delosperma sp.	Cooperi Pink
Delphinium sp.	Larkspur: Blue Elf
Dianthus deltoids	Dianthus: Maiden Pinks "Zing"
D. gratianopolitanus	Cheddar Pink
Dodonea Viscosa	Hop Bush
Echinacea purpurea	Coneflower, Purple; Magnus
Elaeagnus pungens	Silverberry
Euonymus fortunei	Wintercreeper
E. japonica	Japanese Spindle Tree. (Evergreen Euonymus)
E. kiautschovica	Spreading Euonymus
Fatsia japonica	Japanese Aralia
Forsythia intermedia	Border Forsythia
F. suspense	Weeping Forsythia
F. viridissima	Greenstem Forsythia
Gaillardia sp.	Gaillardia, Blanket Flower: "Goblin"
Gardenia jasminoides	Gardenia, Cape-Jasmine, Radicans Gaura sp.
Gentiana dahurica	Gentian
Geranium cinereum	Cranesbill
Gladiolus spp.	Gladiolus species**
Gypsophila repens	Baby's Breath
Hedera helix	English Ivy
Helianthemum sp.	Sunrose
Hemerocallis sp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
Hibiscus	Rose of Sharon**
Hibiscus sp.	Mallow: Disco Belle White
Hibiscus rosa-sinensis	Chinese Hibiscus
Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
H. sieboldiana	Hosta, "Searsucker"
Houttuynia cordata var. Variegata	
Hydrangea macrophylla	Bigleaf Hydrangea
Ilex cornuta	Chinese Holly
I. crenata	Japanese Holly; Helleri
I. opaca	American Holly
I. pernyi	Holly
I. vomitoria	Yaupon Holly; Schillings
Inula ensifolia	
Iris ensata	Sword-Leaved Iris; Jodlesong
Iris siberica	Siberian Iris; Cabernet
Iris spp.	Iris species**
Jasminium nudiflorum	Winter Jasmine
Juniperus chinensis	Chinese Juniper; Nick's Compact, Parsonnii
J. conferta	Shore Juniper; Blue Pacific
J. davurica	Parsoni
J. horizontalis	Creeping Juniper
Juglans sp.	Walnut*
Justicia brandegeana	Shrimp Plant
Lagerstromia indica	Crape Myrtle

Lagerstromia indica X Fauriei	Crape Myrtle; Tuscarora
Lantana montevidensis	Weeping Lantana
Lavender sp.	Lavender; Munstead
Leontopodium alpinum	Edelweiss
Ligustrum sinense	Chinese Privet; Variegata
L. amurense	Amur Privet
L. japonicum	Japanese Privet
L. lucidum	Glossy Privet (Waxleaf)
Lilium sp.	Lily; Jazz
Liriope muscari	Big Blue Lily; Turf; Silver Mound; Evergreen Giant
Liriope Muscari var. Variegata	Liriope, Variegated
Liriope spicata	Liriope, Creeping
Lobelia Cardinalis	Cardinal Flower, Indian Pink
Lonicera japonica	Japanese Honeysuckle
L. tatarica	Tatarian Honeysuckle
Loropetalum chinense	burgundy
Lythrum sp.	Loosestrife; Modern Pink
Magnolia spp.	Magnolia species**
Maleophora luteola	Ice Plant
Malus sp.	Crabapple*
Miscanthus sinensis	Yaku Jima, Silberfeder
Nandina domestica	Heavenly Bamboo
Narcissus spp.	Narcissus species**
Nerium oleander	Oleander
Olea europea	Olive*
Ophiopogon japonicus	Mondo Grass
Osmanthus heterophyllus	Osmanthus (False Holly); Gulf tide
Osteospermum fruticosum	Trailing African Daisy
Oxydendrum arboreum	Sourwood
Paeonia suffruticosa	Tree Peony
Pennisetum setaceum	Fountain Grass (Dwarf)
Perovskia atriplicifolia	
Persea Americana	Avocado*
Photinia fraseri	Fraser's Photinia (Redtip)
Physotegia Virginiana	Dragonhead, False; Vivid
Picea spp.	Spruce species**(Colorado Blue, Norway, etc.)
Pieris japonica	Lily-of-the-Valley Bush
Pinus brutia	Calabrian Pine
P. canariensis	Canary Island Pine
P. elliotii	Slash Pine
P. halepensis	Aleppo Pine
P. nigra	Austrian Pine
P. palustris	Longleaf Pine
P. radiata	Monterey Pine
P. thunbergiana	Japanese Black Pine
P. strobus	Eastern White Pine
P. sylvestris	Scotch Pine
P. taeda	Loblolly Pine
P. virginiana	Virginia Pine
Pistachio sp.	Pistachio*
Pittosporum rhombifolium	Queen'sland Pittosporum
P. tobira	Japanese Pittosporum
Podocarpus macrophyllus	Japanese Yew
Prunus faurera	English Laurel
Prunus sp.	Almond, Apricot, Nectarine, Peach, Plum and Prune*
Pseudotsuga menziesii	Douglas Fir**
Pyracantha Coccinea	Firethorn (Scarlet)
P. fortuneana	Firethorn
P. koidzumii	Firethorn
Pyrus Sp.	Bradford Pear sp.
Quercus Shumardii	Oak, Shumard's Red
Quercus spp.	Oak species

Raphiolepis indica	Indian Hawthorne
Raphiolepis umbellate	Yedda Hawthorn
Rhododendron	'Coral Bells'
(including Azalea)	'Delaware Valley White'
	'Flame Creeper'
	'Formosa'
	'Girard Crimson'
	'George L. Tabor'
	'Hino-crimson'
	'PJM'
	'Roseum Elegans'
	'Wakeiebisu'
	'White Gumbo'
Rosa banksiae	Lady Bank's Rose
Rosmarinus officinalis	Rosemary*
Rudbeckia sp.	Black-Eyed susan; Goldstrum
Santolina, virens	Santolina
Saxifraga sp.	Axifrage; Purple dome
Scabiosa sp.	Pincushion Flower
Sedum album	Stonecrop
Sedum caudicicola	Stonecrop; Lidakense
Sedum dasyphyllum	Stonecrop
Sedum spurium	Stonecrop; Dragon's Blood
Spiraea Bumalda	Spirea: Anthony Waterer
Syzygium paniculatum	Australian Brushcherry
Taxus cuspidate	Japanese Yew
T. media	Yew
Teucrium sp.	Germander
Thalictrum dipterocarpum	Meadow Rue
Thuja occidentalis	American Arborvitae
Trachelospermum asiatum	Star Jasmine
Tsuga Canadensis	Canada Hemlock
Tulipa spp.	Tulip species
Veronica sp.	Veronica, Speedwell; Sunny Border
Viburnum japonicum	Japanese Viburnum
V. odoratisimum	Sweet Viburnum
V. plicatum	Japanese Snowball
V. rigidum	Canary Island Viburnum
V. suspensum	Arrowood Viburnum
V. tinus	Laurustinus
V. trilobium	Cranberry Bush
V. wrightii	Leatherleaf Viburnum
Vinca major	Greater Periwinkle, Vinca
Vinca minor	Common Periwinkle, Vinca
Vitis Sp.	Grape*
Weigela florida	Old Fashioned Weigela
Yucca aloifolia	Spanish Bayonet, Yucca
Y. filaentosa	Adam's Needle, Yucca

For preemergence weed control in Lawns and Ornamental Turf refer to this product's basic label for that purpose.

**Net Weight(5),(10),(20),(40),(50)Pounds**

**Harrell's, LLC**  
P. O. Box 807 - Lakeland, FL 33802

**Batch No:**

\*Do not use on food producing trees, vines or plants.  
\*\*Do not use on container grown plants.

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N).....Variable %  
Available Phosphoric Acid (P2O5).....Variable %  
Soluble Potash (K2O).....Variable %  
Ingredients: Ureaformaldehyde, Urea, Sulfur  
Coated Urea, Ammonium Phosphate, Muriate of  
Potash

**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.

