

52287-20

04/10/2009

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

APR 10 2009

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

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Mr. Bischoff,

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


<b>Fertilizer with Starteam® # 1</b>	<b>EPA Registration Number 52287-10</b>
<b>Fertilizer with Starteam® # 3</b>	<b>EPA Registration Number 52287-12</b>
<b>Weed-Free One Eleven</b>	<b>EPA Registration Number 52287-13</b>
<b>Turf Fertilizer with Ronstar 1.20</b>	<b>EPA Registration Number 52287-14</b>
<b>Harrell's Granular Herbicide 75</b>	<b>EPA Registration Number 52287-15</b>
<b>Harrell's Granular Herbicide 63</b>	<b>EPA Registration Number 52287-16</b>
<b>Turf Fertilizer with Pendimethalin 0.75</b>	<b>EPA Registration Number 52287-17</b>
<b>Turf Fertilizer with Pendimethalin 1.0</b>	<b>EPA Registration Number 52287-18</b>
<b>Turf Fertilizer with Barricade 0.38</b>	<b>EPA Registration Number 52287-19</b>
<b>Turf Fertilizer with Barricade 0.3</b>	<b>EPA Registration Number 52287-20</b>

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

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

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

Sincerely,



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

 United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number 52287-20	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 Barricade 0.3	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> Product Name <u>N/A</u> <div style="text-align: right; font-weight: bold; font-size: 1.2em;">NOTIFICATION</div> <div style="text-align: right; font-weight: bold; font-size: 1.2em;">APR 10 2009</div>

**Section - II**

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

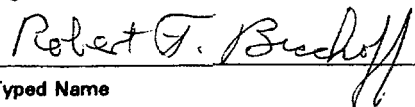
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR Parts 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR Parts 156.10, 156.140, 156.144, 156.146, and 156.156, 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:				2. Type of Container	
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		<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 <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lbs		5. Location of Label Directions <input checked="" type="checkbox"/> on affixed label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name 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.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent, TotalTurf Consulting LLC	
4. Typed Name Robert F. Bischoff	5. Date March 3, 2009	





## **TURF FERTILIZER WITH BARRICADE® 0.3**

FOR PRE-EMERGENCE CONTROL OF WEED GRASSES AND BROADLEAF WEEDS IN ESTABLISHED TURF GRASSES, LAWNS, GOLF COURSE FAIRWAYS AND SOD FARMS, (NOT FOR PUTTING GREENS). USE FOR PRE-EMERGENCE WEED CONTROL AROUND LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED PERENNIALS AND WILDFLOWER PLANTINGS.

ACTIVE INGREDIENT:	
Prodiamine***:	0.3%
INERT INGREDIENTS:	99.7%
	Total.....100.0%

\*\*\*CAS [29091-21-2]

Barricade® is a registered trademark of Syngenta, Inc.

EPA Reg. No. 52287-20

EPA Est. No. 52287-FL-1

**NOTIFICATION**

APR 1 0 2009

**KEEP OUT OF REACH OF CHILDREN**

### **CAUTION**

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.)

**READ ENTIRE LABEL BEFORE USING**

#### **FIRST AID**

**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, and 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.

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment. For information, call 1-800-282-8007.

#### **SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

### **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 reactions in some individuals.

#### **ENVIRONMENTAL HAZARDS**

This product has low solubility in water. At 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.

#### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear long sleeved shirt and long pants; chemical resistant gloves; shoes plus socks and a dust mask. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

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

**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.  
IF PRODUCT IS SPILLED: sweep up and use as per label instruction or dispose of as indicated above.

**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 protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. This product is a turf fertilizer and a preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses, golf courses (excluding putting greens), for sod farms, and lawns, and around landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 1/2 inch of rainfall, irrigation or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application. 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.

**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 (sod farms, commercial nurseries). 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; chemical resistant gloves such as butyl rubber > 14 mils or natural rubber > 14mils or nitrile rubber > 14 mils; shoes plus socks.

**NON-AGRUCULTURAL USES REQUIREMENTS**

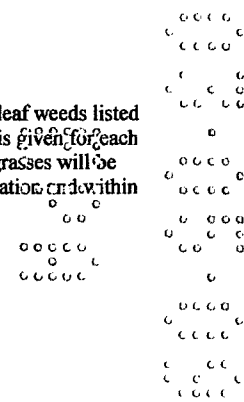
The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The "WPS" applies when this product is used to produce agricultural plants on farms, forests or nurseries. Applicators and handlers should wear long-sleeved shirt, long pants, chemical resistant gloves, shoes with socks and protective eyewear. Thoroughly wash face and hands with soap and water after exposure and before eating or smoking. Launder exposed clothing before reuse. Do not allow reentry to treated areas until dusts have settled and the turfgrass or soil is dry.

**APPLICATION DIRECTIONS**

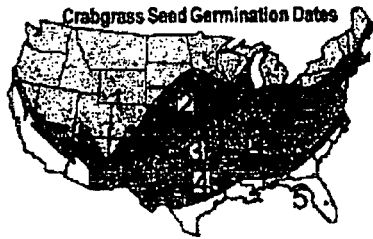
Apply uniformly with suitable, calibrated application equipment. Do not apply otherwise.

**ESTABLISHED TURF**

This product is a pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds listed below in established turf grass and lawns. The maximum amount of material that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map for approximate crabgrass seed germination dates.



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- 1: Mid-north & northwestern.....After May 30
- 2: Upper/mid-states & northeast.....After May 10
- 3: Lower mid-states.....After April 20
- 4: Upper southern states.....After March 20
- 5: Warm season states.....January 1 to March 20

**Use Precautions**

The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) Do not apply to overseeded 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. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. (6) Do not apply this product to putting greens, or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

**RATES OF APPLICATION**

This product may be applied as a single application or sequential application to control weeds germinating throughout the year. All applications must be made prior to germination of the weeds listed below. This product will not control established weeds. Maximum use rate section should be based on turf species. The length of time of residual pre-emergence weed control provided by this product is related to the rate applied.

**MAXIMUM ANNUAL RATES**

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

**MAXIMUM APPLICATION RATE/CALENDAR YEAR OF PRODUCT BY TURF GRASS SPECIES <sup>(1)</sup>**

Turf Species	Lbs product/A	Lbs. a.i./A
Creeping Bentgrass	215 lbs.	0.65 lbs.
Creeping Red Fescue	250 lbs.	0.75 lbs.
Buffalograss	334 lbs.	1.00 lbs.
Kentucky Bluegrass	334 lbs.	1.00 lbs.
Perennial Ryegrass	334 lbs.	1.00 lbs.
Bermudagrass <sup>(2)</sup>	500 lbs.	1.50 lbs.
Bahiagrass	500 lbs.	1.50 lbs.
Centipedegrass	500 lbs.	1.50 lbs.
Seashore Paspalum	500 lbs.	1.50 lbs.
St. Augustinegrass	500 lbs.	1.50 lbs.
Tall Fescue (including turf type)	500 lbs.	1.50 lbs.
Zoysia	500 lbs.	1.50 lbs.

<sup>(1)</sup> These are the maximum rates per calendar year by species limitations. <sup>(2)</sup> May be used on newly-sprigged or plugged bermudagrass at rates not to exceed 173 lbs. per acre. Newly-sprigged or plugged bermudagrass stolon rooting may be temporarily retarded. Suppression only of foxtail, goosegrass and rescuegrass due to reduced product rates used in sprigging situations.

Do not apply more than 500 lbs. of this product to the same area per calendar year. Use higher rates of product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates section.

**WEEDS CONTROLLED**

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

Barnyardgrass	Henbit	Purslane, Common	c c c c c
Bluegrass, Annual ( <i>Poa Annua</i> )	Itchgrass	Pusley, Florida	c c c c c
Carpetweed	Johnsongrass (from seed)	Rescuegrass <sup>(3)</sup>	c c c c c
Chickweed, Common	Junglerice	Shepherd's Purse <sup>(2)</sup>	c c c c c
Chickweed, Mouseear (from seed)	Knotweed	Signalgrass, Broadleaf	c c c c c
Crabgrass (Large, smooth)	Kochia	Speedwell, Persian	c c c c c
Crowfootgrass	Lambsquarter, Common	Sprangletop	c c c c c
Cupgrass, Woolly	Lovegrass	Spurge, Prostrate	c c c c c
Foxtails, Annual	Panicum (Texas, Fall, Browntop)	Witchgrass	c c c c c
Goosegrass <sup>(1)</sup>	Pigweed	Woodsorrel, Yellow (from seed)	c c c c c

<sup>(1)</sup>In many areas a single application of 215 to 500 lbs. per acre will control goosegrass. However, under heavy c goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 215 to 334 lbs per acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rates section. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates section. <sup>(2)</sup>Application for shepherd's purse should be made in late summer, fall or winter prior to germination. <sup>(3)</sup> Suppression only of rescuegrass.

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Sequential application may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

**WHEN TO APPLY AFTER OVERSEEDING TURF**

Do not apply to overseeded 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. Follow rates and intervals in the table below for best overseeding and or reseeding results.

Product Rate Lbs./Acre	Lbs. A.I./Acre	Months Before Overseeding*		
		North	Transition	South
167	0.50	4	4	4
215	0.65	5	4	4
250	0.75	6	5	5
267	0.80	-	6	6
334	1.00	-	7	7
380	1.14	-	-	9
433	1.30	-	-	10
500	1.50	-	-	12

\*Transition states are: DE, MD, VA, WV, KY, MO, KS; North states are those north of transition states; South states are those south of transition states.

**APPLICATION EQUIPMENT AND SPREADER SETTINGS**

The size and bulk density of granules in this product may vary; therefore, calibrate your granular applicator prior to application of this product. Follow directions in the owner's manual for calibrating your spreader. The settings indicated in the following table should only be used as a guide in calibrating your spreader.

To apply the recommended amounts of a.i. per acre which are as follows:	SPREADER SETTINGS			
	0.65 lbs.	0.75 lbs.	1.0 lbs.	1.50 lbs.
<b>50 LBS. TREATS =</b>	<b>10,130 SQ. FT.</b>	<b>8,712 SQ.FT.</b>	<b>6,521 SQ.FT.</b>	<b>4,356 SQ. FT</b>
Scott's Evergreen 18"	# XX	# XX	# XX	# XX
Scotts Speedy Broadcast	# XX	# XX	# XX	# XX
Red Devil Broadcast	# XX	# XX	# XX	# XX
Republic EZ Drop 18"	# XX	# XX	# XX	# XX
Republic EZ Broadcast	# XX	# XX	# XX	# XX
Republic EZ Tractor Broadcast	# XX	# XX	# XX	# XX

**LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED WILD FLOWER PLANTINGS**

This product may be applied for residual pre-emergence weed control in ornamentals listed on this label.

**USE RATES**

Apply at 215 to 500 lbs. per acre (4.94 lbs. to 11.48 lbs. per 1,000 sq. ft.) of landscape plants, 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 500 lbs. per acre.

**APPLICATION TIMING AND INFORMATION**

Apply uniformly to the surface of the soil in ornamental planting beds with a granular applicator. Calibrate applicator to assure appropriate dosage as described above under Use Rates, prior to application. Calibrate applicator as described in the owner's manual. The bulk density of this product may vary; therefore, to assure that the product is applied at the rates described, a calibrated applicator must be used.

This product is a pre-emergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 1/2 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 clods, 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 pre-emergence herbicide.

**ESTABLISHED LANSCAPE 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 residues off plant foliage and activate this product in the soil.



**NEWLY TRANSPLANTED 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. Irrigate after application as above directed.

**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.

**FOR USE AROUND LANDSCAPE ORNAMENTALS, INCLUDING ESTABLISHED PERENNIALS AND WILDFLOWERS, AS LISTED.**

Scientific Name	Common Name	Scientific Name	Common Name
Abies spp.	Fir Species** (Balsam, Fraser, Noble, Etc.)	Delosperma sp.	Cooperi Pink
Abelia grandiflora	Abelia: Sherwood	Delphinium sp.	Larkspur: Blue Elf
Acer palmatum	Japanese Maple	Dianthus deltoids	Dianthus: Maiden Pinks "Zing"
A. platanoides	Norway Maple	D. gratianopolitanus	Cheddar, Pink
Achillea, sp.	Yarrow: King Edward	Dodonea viscosa	Hop Bush
Actinidia chinensis*	Kiwi*	Echinacea purpurea	Coneflower, Purple: Magnus
Agapanthus africanus	Lily-of-the-Nile (African Lily)	Elaeagnus pungens	Silverberry
Agapanthus orientalis		Euonymus fortunei	Wintercreeper
Akebia quinata	Five-Leaf or Chocolate Vine	E. japonica	Japanese Spindle Tree (Evergreen Euonymus)
Allium cernuum	Lady's Leek, Nodding Onion	E. kiautschovica	Spreading Euonymus
Anemone hybrida	Japanese Anemone	Fatsia japonica	Japanese Aralia
Aquilegia sp.	Aquilegia: Red and Gold	Forsythia intermedia	Border Forsythia
Arctostaphylos densiflora	Vine Hill Manzanita	F. suspense	Weeping Forsythia
Arctotheca calendula	Cape Weed	F. viridissima	Greenstem Forsythia
Artemisia sp.	Wormwood: Silver Mound, Castle	Gaillardia sp.	Gaillardia, Blanket Flower: "Goblin"
Aster sp.	Aster: Bonny Blue, Purple Dome	Gardenia jasminoides	Gardenia, Cape-Jasmine, Radicans
Aster X Frikartii		Gaura sp.	
Athrium Filix-femina	Lady Fern: Fern Lady	Gentiana daborica	Gentian
Aucuba japonica	Japanese Aucuba	Geranium cinereum	Cranesbill
Begonia sp.	Fibrous Begonia: Hardy Grandis	Gladiolus spp.**	Gladiolus species**
Berberis gladwynensis	Barberry	Gypsophila repens	Baby's Breath
B. julianae	Wintergreen	Hedera helix	English Ivy
B. mentorensis	Barberry	Hellanthemum sp.	Sunrose
B. thunbergii	Mentor Barberry	Heimerocallis sp.	Daylily: Aztec Gold, Stella De, Oro, Tender Love
B. verruculosa	Warty Barberry	Hibiscus**	Rose of Sharon**
Bergenia cordifolia		Hibiscus sp.	Mallow: Disco Belle White
Boltonia asteroids	Snowbank	Hibiscus rosa-sinensis	Chinese Hibiscus
Bougainvillea spp.	Bougainvillea	Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
Buddleia davidii	Butterfly-Bush (Dwarf Blue); Royal Red	H. Sieboldiana	Hosta, "Searsucker"
Buxus microphylla	Japanese Boxwood	Houttuynia cordata var. variegata	
Callistemon viminalis	Weeping Bottlebrush	Hydrangea macrophylla	Bigleaf Hydrangea
Calluna vulgaris	Scotch Heather	Ilex cornuta	Chinese Holly
Campagna carpatica	Tussock Bellflower (White Clips)	I. crenata	Japanese Holly; Helleri
Campis X Tagliabuana	Trumpet Creeper, Trumpet Flower, Madame Galen	I. opaca	American Holly
Capobrotus edulis	Hottentot Fig (Ice Plant)	I. pernyi	Holly
Cassia artemisoides	Feathery Cassia	I. vortitoria	Yaupon Holly; Schillings
Ceanothus rigidus	Wild Lilac	Inula ensifolia	
Ceratostigma plumbagooides		Iris ensata	Sword-Leaved Iris; Jodlesong
Chamaecyparis pisifera	False Cypress	Iris siberica	Siberian Iris; Cabernet
Chrysanthemum nipponicum		Iris spp.**	Iris species**
Cleyera japonica	Cleyera	Janminium udiflorum	Winter Jasmine
Citrus spp.*	Citrus species*	Juniperus chinensis	Chinese Juniper; Nick's Compact, Parsonii
Coreopsis sp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam	J. conferta	Shore Juniper; Blue Pacific
Cornus florida	Flowering Dogwood	J. davurea	Parsoni
C. stolonifera	American Dogwood	J. horizontalis	Creeping Juniper
Cortaderia seloana	Pampas Grass	Juglans sp.*	Walnut*
Cotoneaster apiculatus	Cranberry Cotoneaster	Justicia brandegeana	Shrimp Plant
C. buxifolius	Cotoneaster	Lagerstromia	
C. dammeri	Bearberry Cotoneaster	Indica Lagerstromia indica X Fauriei	Crape Myrtle; Crape Myrtles; Tustarora
C. microphyllus	Rockspray Cotoneaster	Lantana montevidensis	Weeping Lantana
Cretaeus spp.	Hawthorne	Lavender sp.	Lavender; Munstro
Crococmia sp.	Lucifer	Leontopodium alpinum	Edelweiss
Cupressus sempervirens	Italian Cypress	Ligustrum sinense	Chinese Privet; Variegata
Delosperma alba	White Trailing Ice Plant	L. amurense	Amur Privet
		L. japonicum	Japanese Privet

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Scientific Name	Common Name	Scientific Name	Common Name
<i>L. lucidum</i>	Glossy Privet (Waxleaf)	<i>Veronica</i> sp.	Veronica, Speedwell; Sunny Border
<i>Lilium</i> sp.	Lily; Jazz Big Blue Lily; Turf	<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Liriope muscari</i>	Silver Mound; Evergreen Giant	<i>V. odoratissimum</i>	Sweet Viburnum
<i>Liriope muscari</i> var. variegata	Liriope, Variegated	<i>V. plicatum</i>	Japanese Snowball
<i>Liriope spicata</i>	Liriope, Creeping	<i>V. rigidum</i>	Canary Island Viburnum
<i>Lobelia Cardinalis</i>	Cardinal Flower, Indian Pink	<i>V. suspensum</i>	Arrow wood Viburnum
<i>Lonicera japonica</i>	Japanese Honeysuckle	<i>V. tinus</i>	Laurustinus
<i>L. tatarica</i>	Tatarian Honeysuckle	<i>V. trilobium</i>	Cranberry Bush
<i>Loropetalum chinense</i>	Burgundy	<i>V. Wrightii</i>	Leatherleaf Viburnum
<i>Lythrum</i> sp.	Looseleaf; Modern Pink	<i>Vinca major</i>	Greater Periwinkle, Vinca
<i>Magnolia</i> spp.**	Magnolia species**	<i>Vinca minor</i>	Common Periwinkle, Vinca
<i>Maleophora luteola</i>	Ice Plant	<i>Vitis</i> sp.*	Grape*
<i>Malus</i> sp.*	Crabapple*	<i>Weigela florida</i>	Old Fashioned Weigela
<i>Miscanthus sinensis</i>	Yaku Jima, Silberfeder	<i>Yucca aloifolia</i>	Spanish Bayonet, Yucca
<i>Nandian domestica</i>	Heavenly Bamboo	<i>Y. filamentosa</i>	Adam's Needle, Yucca
<i>Narcissus</i> spp.**	Narcissus species**		
<i>Nerium oleander</i>	Oleander		
<i>Olea europea*</i>	Olive*		
<i>Ophiopogon japonicus</i>	Mondo Grass		
<i>Osmanthus heterophyllus</i>	Osmanthus (False Holly); Gulf Tide		
<i>Osteospermum fruticosum</i>	Trailing African Daisy		
<i>Oxydendrum arboretum</i>	Sourwood		
<i>Paeonia suffruticosa</i>	Tree Peony		
<i>Pennisetum setaceum</i>	Fountain Grass (Dwarf)		
<i>Perovskia atriplicifolia</i>			
<i>Persea americana</i>	Avocado*		
<i>Photinia fraseri</i>	Fraser's Photinia (Redtip)		
<i>Physotegia Virginiana</i>	Dragonhead, False; Vivid		
<i>Picea</i> spp.**	Spruce species**(Colorado Blue, Norway, etc.)		
<i>Pieris japonica</i>	Lily-of-the-Valley Bush		
<i>Pinus brutia</i>	Calabrian Pine		
<i>P. canariensis</i>	Canary Island Pine		
<i>P. eliottii</i>	Splash Pine		
<i>P. halepensis</i>	Aleppo Pine		
<i>P. nigra</i>	Australian Pine		
<i>P. palustris</i>	Longleaf Pine		
<i>P. radiata</i>	Monterey Pine		
<i>P. thundersiana</i>	Japanese Black Pine		
<i>P. strobes</i>	Eastern White Pine		
<i>P. sylvestris</i>	Scotch Pine		
<i>P. taeda</i>	Loblolly Pine		
<i>P. virginiana</i>	Virginia Pine		
<i>Pistachio</i> sp.*	Pistachio*		
<i>Pittosporum rhombifolium</i>	Queenland Pittosporum Japanese		
<i>P. tobira</i>	Pittosporum		
<i>Podocarpus macrophyllus</i>	Japanese Yew		
<i>Prunus fauroserasus</i>	English Laurel		
<i>Prunus</i> sp.*	Almond, Apricot, Nectarine, Peach, Plum and Prune*		
<i>Pseudotsuga menziesii**</i>	Douglas Fir**		
<i>Pyracantha coccinea</i>	Firethorn (Scarlet)		
<i>P. fortuneana</i>	Firethorn		
<i>P. koidzumii</i>	Firethorn		
<i>Fyrus</i> sp.	Bradford Pear sp.		
<i>Quercus shumardii</i>	Oak, Shumard's Red		
<i>Quercus</i> spp.	Oak, species		
<i>Raphiolepis indica</i>	Indian Hawthorn		
<i>Raphiolepis umbellate</i>	Yedda Hawthorn		
<i>Rhododendron</i> (including Azalea)	'Coral Bells' 'Delaware Valley White' 'Flame Creeper' 'Formosa' 'Girard Crimson' 'George L. Tabor' 'Hino-crimson' 'PJM' 'Roseum Elegans' 'Wakeibus' 'White Gumbo' Lady's Bank's Rose		
<i>Rosa banksiae</i>	Lady's Bank's Rose		
<i>Rosmarinus officinalis*</i>	Rosemary*		
<i>Rudbeckia</i> sp.	Black-Eyed Susan; Goldstrum		
<i>Santolina, virens</i>	Santolina		
<i>Saxifraga</i> sp.	Saxifrage; Purple Dome Pineushion Flower		
<i>Scabiosa</i> sp.	Stoncrop		
<i>Sedum caucicola</i>	Stoncrop; Lidakense		
<i>Sedum dasyphyllum</i>	Stoncrop		
<i>Sedum spurium</i>	Stoncrop; Dragon's Blood		
<i>Spiraea Bomalda</i>	Spiraea; Anthouy Waterer		
<i>Syzygium paniculatum</i>	Australian Brushcherry		
<i>Taxus cuspidate</i>	Japanese Yew		
<i>T. media</i>	Yew		
<i>Teucrium</i> sp.	Germander		
<i>Thalictrum dipterocarpum</i>	Meadow Rue		
<i>Thuja occidentalis</i>	American Arborvitae		
<i>Trachelospermum asiaticum</i>	Star Jasmine		
<i>Tsuga canadensis</i>	Canada Hemlock		
<i>Tulipa</i> spp.	Tulip species		

