

AM 23

32802-67

10-22-97

pg 1819

OCT 22 1997

Mr. Thomas J. Schmit
Howard Johnson's Enterprises, Inc.
780 W. Virginia St., No. 222
Milwaukee, WI 53204

Dear Mr. Schmit:

Subject: Crabgrass Preventer Plus with 0.20 Barricade®
Preemergence Herbicide
EPA Registration No. 32802-66
Crabgrass Preventer Plus with 0.37 Barricade®
Preemergence Herbicide
EPA Registration No. 32802-66
Crabgrass Preventer Plus with 0.59 Barricade®
Preemergence Herbicide
EPA Registration No. 32802-67
Crabgrass Preventer Plus with 0.75 Barricade®
Preemergence Herbicide
EPA Registration No. 32802-70
Application and Letter, Dated June 24, 1997, Request To
Amend Labeling: Updating Label To Match That Accepted
for Novartis' Barricade® F Herbicide and Revising
Size of Retail Container and Type of Containers

Your request to amend the label of the subject pesticide product registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, to reflect the subject amendments has been reviewed and is acceptable under the Act, provided that you:

1. Correct the address shown on all labels to reflect your address of record with this Agency.
2. Correct the statement on the front panel that reads: "BARRICADE® is a Registered Trademark of Sandoz, Inc." to read "BARRICADE® is a Registered Trademark of Novartis Crop Protection, Inc.".

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3. On labels for the 0.37% and 0.58% active ingredient:

Under "Directions for Use" section correct the statement that reads: "Most effective weed control will be by at least 0.5 inch of rainfall or irrigation, or with shallow (12 inches) incorporation, prior to weed seed germination and within 14 days following application." to read: "Most..... shallow (1 to 2 inches)application."

Certainly, you do not want 12 inches of shallow incorporation.

4. Correct footnote 1, for the "Weed Controlled" section to reflect the correct dosages. In case of the 0.37% product the dosage should be 175 to 405 lbs/A.

5. On label for the 0.37% and 0.58% active ingredient:

in the list of "Tolerant Ornamental Species" Geranium cinereum ... Cranesbill was omitted or was blurred on the proposed labeling. Either add this species to the list or omit it; if you wish to delete it, resubmit labeling reflecting your choice.

6 Submit one (1) copy of your final printed labeling for each of these products before you release it for shipment under the proposed label, reflecting the above comments.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Stamped copies of labels are enclosed for your records.

Sincerely yours,

Joanne I. Miller
Product Manager (23)

Herbicide Branch
Registration Division (7505C)

SYMBOL	Enclosures					
SURNAME	W. Wilson: Diskette prodimine: 100p: 10-22-97					
DATE						

3 of 19

**CRABGRASS PREVENTER PLUS WITH .58%
BARRICADE PREEMERGENCE HERBICIDE**

ACTIVE INGREDIENT:

Prodiamine: [N³,N³-Di- α -propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine].....0.58%

INERT INGREDIENTS: 99.42%

TOTAL:..... 100.0%

Guaranteed Fertilizer Analysis:

Nitrogen 32 % (N)
Phosphorus 4 % (P₂O₅)
Potassium 6 % (K₂O)

Nitrogen from: Urea formaldehyde, Urea, Ammonia

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

OCT 22 1997

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

32802-67

For selective preemergence control of grass and broadleaf weeds in:

- established turf grasses (excluding golf course putting greens) and lawns
- landscape ornamentals (including established perennials & wildflower plantings)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See the following section, Precautionary Statements, Hazards To Humans and Domestic Animals, for additional information.

Net Weight:

EPA Reg. No. 32802-67

EPA Est. No.

Howard Johnson's Enterprise, Inc.

~~P.O. Box 2900~~ 700 W. Virginia St. #222

Milwaukee, WI 53204

BARRICADE® is a Registered Trademark of ~~Sandoz, Ltd.~~ Novartis Crop Protection Inc

**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 frequently repeated skin contact while handling the material may cause allergic reactions in some individuals.

Statements of Practical Treatment

If in eyes: Flush thoroughly with water for several minutes. Get medical attention if irritation persists.

If on skin: Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists.

If inhaled: Remove victim to fresh air.

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 material is spilled: Contain and sweep up material of spill for disposal or use per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water-in remainder, disc under, cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

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 food stuffs and separated from other pesticides.

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

Paper containers: Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or at an incineration facility, or; if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- established turf grasses (excluding golf course putting greens) and lawns
- landscape ornamentals
- established perennials and wildflower plantings

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (12 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 aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Do not graze or feed livestock forage cut from areas treated with CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE.

Do not apply this product through any type of irrigation system.

Do not apply aerially.

Do not apply to golf course putting greens.

Application Directions

Apply uniformly with suitable, calibrated application equipment.

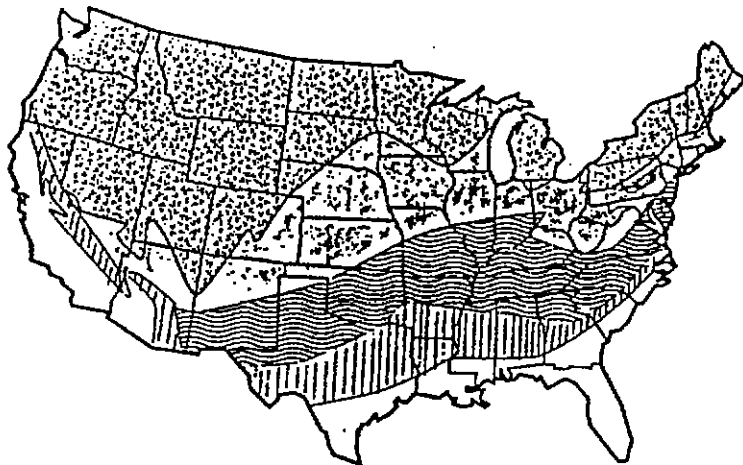
ESTABLISHED TURF






CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

CRABGRASS SEED GERMINATION DATES

Approximate Date



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

Use Precautions

The following precautions apply to the use of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE in turf grasses and lawns:

Application of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE may thin emerged annual bluegrass and newly overseeded grasses.

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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year.

Application of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE to turf stressed by drought, low fertility, or pest damage may result in turf injury.

Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.

Do not apply CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

Rates of Application

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE will not control established weeds.

Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is related to the rate applied.

Maximum Annual Rates

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE by Turf Grass Species ¹⁾		
Turf Species:	lbs product/A	lbs ai/A
Bermudagrass ²⁾ Bahia grass Centipedegrass Seashore Paspalum St. Augustine grass Tall Fescue (including turf-type) Zoysia	259	1.5
Buffalograss Kentucky Bluegrass Perennial Ryegrass	173	1.0
Creeping Red Fescue	130	0.75
Creeping Bentgrass	112	0.65

¹⁾ These are the maximum rates per calendar year by species limitations.

²⁾ May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 90 lbs/A. 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 259 lbs. of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE per calendar year.
- Use higher rates of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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 Table**.

Weeds Controlled

When used in accordance with this label CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE will provide control of the following weeds:

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

- 1 In many areas a single application of 112 to 259 lbs/A of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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 112 to 173 lbs/A followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turf grass species listed in the **Maximum Annual Rate Table** above.
- 2 Applications for this weed should be made in late summer, fall or winter prior to germination.
- 3 Suppression only.

Sequential applications 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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE Rate (lb/A)		Months Before Overseeding		
Product	ai	North	Transition	South
86	.50	4	4	4
112	.66	5	4	4
130	.74	6	5	5
138	.80	---	6	6
173	1.00	---	7	7
197	1.14	---	---	9
224	1.30	---	---	10
259	1.50	---	---	12

LANDSCAPE ORNAMENTALS

(including Established Perennials and Wildflower Plantings)

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE may be applied for residual preemergence weed control in ornamentals.

Use Rates

Apply CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE at 112 to 259 lbs/A 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 259 lbs/A.

Application Timing and Information

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is activated by at least 0.5 inch 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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

Established Landscape Ornamentals

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE may be applied at any time 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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE in the soil.

Newly Transplanted Landscape Ornamentals

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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 BARRICADE. Apply CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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

CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE. Best results will be obtained when CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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. CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE 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 CRABGRASS PREVENTER PLUS WITH .58% BARRICADE PREEMERGENCE HERBICIDE.

Scientific name	Common name
<i>Abies</i> spp.	Fir species** (Balsam, Fraser, Noble, etc.)
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Acer palmatum</i>	Japanese Maple
<i>A. platanoides</i>	Norway Maple
<i>Achillea</i> sp.	Yarrow: King Edward
<i>Actinidia chinensis</i>	Kiwi*
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> sp.	Aquilegia: Red and Gold
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Artemesia</i> sp.	Wormwood; Silver Mound, Castle
<i>Aster</i> sp.	Aster: Bonny Blue, Purple Dome
<i>Aster X Frikartii</i>	
<i>Athrium Filiz-femina</i>	Lady Fern; Fern Lady
<i>Aucuba japonica</i>	Japanese Aucuba
<i>Begonia</i> sp.	Fibrous Begonia: Hardy Grandis
<i>Berberis gladwynensis</i>	Barberry
<i>B. Julianae</i>	Wintergreen Barberry
<i>B. mentorensis</i>	Mentor Barberry
<i>B. Thunbergii</i>	Japanese Barberry
<i>B. verruculosa</i>	Warty Barberry
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank

Buddleia davidii

Butterfly-Bush (Dwarf Blue); Royal Red

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

Scientific Name

Common Name

Buxus microphylla
Callistemon viminalis
Calluna vulgaris
Campanula carpatica
Campis X Tagliabuana

Japanese Boxwood
Weeping Bottlebrush
Scotch Heather
Tussock Bellflower, (White Clips)
Trumpet Creeper, Trumpet Flower,
Madame Galen

Carpobrotus edulis
Cassia artemisoides
Ceanothus rigidus
Ceratostigma plumbagonoides
Chamaecyparis pisifera
Chrysanthemum nipponicum
Cleyera japonica
Citrus spp.
Coreopsis sp.

Hottentot Fig (Ice Plant)
Feathery Cassia
Wild Lilac

False Cypress

Cleyera
Citrus species*
Coreopsis (Calliopsis): Early Sunrise,
Moonbeam

Cornus florida
C. stolonifera
Cortaderia selloana
Cotoneaster apiculatus
C. buxifolius
C. Dammeri
C. microphyllus
Cretaegus spp.
Crococsmia sp.
Cupressus sempervirens
Delosperma alba
Delosperma sp.
Delphinium sp.
Dianthus deltoides
D. gratianopolitanus
Dodonea viscosa
Echinacea pupurea
Elaeagnus pungens
Euonymus Fortunei
E. japonica
E. kiautschovica
Fatsia japonica

Flowering Dogwood
American Dogwood
Pampas Grass
Cranberry Cotoneaster
Cotoneaster
Bearberry Cotoneaster
Rockspray Cotoneaster
Hawthorne
Lucifer
Italian Cypress
White Trailing Ice Plant
Cooperi Pink
Larkspur: Blue Elf
Dianthus; Maiden Pinks "Zing"
Cheddar Pink
Hop Bush
Coneflower, Purple; Magnus
Silverberry
Wintercreeper
Japanese Spindle Tree (Evergreen Euonymus)
Spreading Euonymus
Japanese Aralia

Forsythia intermedia
Forsythia suspensa
F. viridissima

Border Forsythia
Weeping Forsythia
Greenstem Forsythia

- * Do not use on food producing trees, vines, or plants.
- ** Not for use on container grown plants.

Scientific Name

Common Name

Gaillardia sp.
Gardenia jasminoides
Gaura sp.
Gentiana dahurica
Gladiolus spp.
Gypsophila repens
Hedera helix
Hellanthemum sp.
Hemerocallis sp.

Hibiscus
Hibiscus sp.
Hibiscus Rosa-sinensis
Hosta plantaginea
H. Sieboldiana
Houttuynia cordata var. variegata
Hydrangea macrophylla
Ilex Bernyi
Ilex cornuta
I. crenata
I. opaca
I. vomitoria
Inula ensifolia
Iris ensata
Iris siberica
Iris spp.
Jasminium nudiflorum
Juniperus chinensis
J. conferta
J. davurica
J. horizontalis
Juglans sp.
Justicia brandegeana
Lagerstromia indica
Lagerstromia indica X Fauriei
Lantana montevidensis
Lavender sp.

Gaillardia, Blanket Flower: "Goblin"
Gardenia, Cape-Jasmine, Radicans

Gentian

Gladiolus species**
Baby's Breath
English Ivy
Sunrose
Daylily: Aztec Gold, Stella De Oro, Tender Love

Rose of Sharon**
Mallow: Disco Belle White
Chinese Hibiscus
Hosta, Plantain Lily (Fragrant)
Hosta, "Searsucker"

Bigleaf Hydrangea
Holly
Chinese Holly
Japanese Holly; Helli
American Holly
Yaupon Holly; Schillings

Sword-Leaved Iris; Jodlesong
Siberian Iris; Cabernet
Iris species**
Winter Jasmine
Chinese Juniper; Nick's Compact, Parsonii
Shore Juniper; Blue Pacific
Parsoni
Creeping Juniper
Walnut*
Shrimp Plant
Crape Myrtle
Crape Myrtle; Tuscarora
Weeping Lantana *
Lavender; Munstead

Leontopodium alpinum
Ligustrum sinense
Ligustrum amurense

Edelweiss
Chinese Privet; Variegata
Amur Privet

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

Scientific Name

Common Name

L. japonicum
L. lucidum
Lillium sp.
Liriope Muscari

Japanese Privet
Glossy Privet (Waxleaf)
Lily: Jazz
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 europaea

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

Avocado*

Persea americana

Frasier's Photinia (Redtip)

Photinia Fraseri

Dragonhead, False; Vivid

Physotegia Virginiana

Spruce species**(Colorado Blue, Norway, e.c.)

Picea spp.

Lily-of-the-Valley Bush

Pieris japonica

Calabrian Pine

Pinus brutia

Canary Island Pine

P. canariensis

Slash Pine

P. elliotii

Aleppo Pine

P. halepensis

Austrian Pine

P. nigra

Longleaf Pine

P. palustris

<i>P. radiata</i>	Monterey Pine
<i>P. Thunbergiana</i>	Japanese Black Pine
<i>P. strobus</i>	Eastern White Pine

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

** Not for use on container grown plants.

Scientific Name

Common Name

<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>	Queensland Pittosporum
<i>P. tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus Laurocerasus</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>Pyrus</i> sp.	Bradford Pear sp.
<i>Quercus Shumardii</i>	Oak, Shumard's Red
<i>Quercus</i> spp.	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Raphiolepis umbellata</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' 'Wakeiebisu' 'White Gumbo'
<i>Rosa Banksiae</i>	Lady 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
<i>Scabiosa</i> sp.	Pincushion Flower
<i>Sedum album</i>	Stonecrop
<i>Sedum cauticola</i>	Stonecrop; Lidakense

<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea Bumalda</i>	Spirea: Anthony Waterer

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

** Not for use on container grown plants.

<u>Scientific Name</u>	<u>Common Name</u>
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>T. media</i>	Yew
<i>Teucrium sp.</i>	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 spp.</i>	Tulip species
<i>Veronica sp.</i>	Veronica, Speedwell; Sunny Border
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>V. odoratissimum</i>	Sweet Viburnum
<i>V. plicatum</i>	Japanese Snowball
<i>V. rigidum</i>	Canary Island Viburnum
<i>V. suspensum</i>	Arrowwood Viburnum
<i>V. tinus</i>	Laurustinus
<i>V. trilobium</i>	Cranberry Bush
<i>V. wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Greater Periwinkle, Vinca
<i>Vinca minor</i>	Common Periwinkle, Vinca
<i>Vitis sp.</i>	Grape*
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet, Yucca
<i>Y. filamentosa</i>	Adam's Needle, Yucca

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

** Not for use on container grown plants.

GUARANTEE: This product is unconditionally guaranteed.

(Alternate wording for warranty statement:)

GREEN GUARANTEED: Your satisfaction is guaranteed when this product is used in accordance with instructions. If product performance is less than satisfactory, seller will refund the full purchase price with evidence of purchase.

(Alternate wording for warranty statement:)

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

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this product conforms to the ingredient statement on the label, and that the product is reasonably suited for the labeled use when applied according to directions. No other warranty, expressed or implied, is made concerning the merchantability or fitness for a particular purpose. Manufacturer/seller's liability shall be limited to the purchase price of the product. In no case shall manufacturer/seller be liable for consequential or incidental damages or loss. Buyer and user assumes all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

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