

32802-67

1-31-2001

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060.



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
258351

Application for Pesticide - Section I

1. Company/Product Number 32802-67	2. EPA Product Manager Jim Thompkin	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CRABGRASS PREVENTER PLUS WITH 0.58% BARRICADE PREEMERGENT HERBICIDE	PM#	
5. Name and Address of Applicant (Include ZIP Code) Howard Johnson's Enterprises, Inc. 700 W. Virginia St. Milwaukee, WI 53204-1548 <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. 55947-144 Product Name <u>Barricade F Herbicide</u>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION JAN 31 2001
<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 alternate wording restating the application rate in different units of measure: "Application of this product at a rate of 2 lbs. /1000 square feet is equivalent to 86 lbs. / acre, .05 lbs. AI / acre." as highlighted on the attached label copies, per PR Notice 98-10. This change is consistent with 40CFR part 156 and involves no change to the directions. It is added to allow conversion of rate of application from acre to square feet. Certification required by PR Notice 98-10 is attached.

(Continued on attached page)

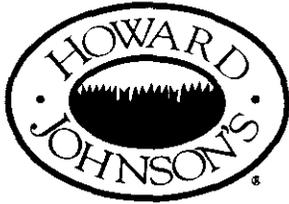
Section - III

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 checked="" type="checkbox"/> Metal	
				<input 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 type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph 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 Janet P. Baguhn	Title Interim Compliance Manager	Telephone No. (Include Area Code) 414-276-4656
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 Interim Compliance Manager	
4. Typed Name Janet P. Baguhn	5. Date January 29, 2001	

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NOTIFICATION

JAN 31 2001

Product: Crabgrass Preventer Plus with 0.58% Barricade Preemergence
Herbicide
EPA Reg. No 32802-67
Registrant: Howard Johnson's Enterprises, Inc.

Explanation continued:

Notification of the change to the company name which owns the trademark to Barricade:
"BARRICADE® is a Registered Trademark of Syngenta" as highlighted on the attached label
copies per PR Notice 98-10. This change is consistent with 40CFR part 156 and involves no
change to the directions. It is changed to reflect Novartis Crop Protection Inc. name change to
Syngenta. Certification required by PR Notice 98-10 is attached.

Certification:

This notification is consistent with the provisions of PR Notice 98-10 and EPA
regulations at 40 CFR 152.46, and no other changes have been made to the
labeling or the confidential statement of formula of this product. I understand that
it is violation of 18 U. S. C. Sec. 1001 to willfully make any false statement to
EPA. I further understand that if this notification is not consistent with the terms
of PR Notice 98-10 and 40 CFR 152.46, 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.

Janet P. Baguhn
Janet P. Baguhn, Interim Compliance Manager

1/29/01
Date

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

NOTIFICATION

JAN 31 2001

ACTIVE INGREDIENT:

Prodiamine: [N³,N³-Di-n-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

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 Enterprises, Inc.
700 W. Virginia St.
Milwaukee, WI 53204-1548

BARRICADE® is a Registered Trademark of Syngenta

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**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.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE

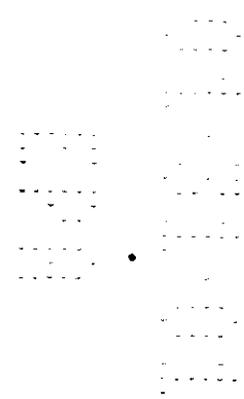
Store in original container away from other fertilizer, feed, or food stuffs and separated from other pesticides.

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 aurally.

Do not apply to golf course putting greens.

Application Directions

Apply uniformly with suitable, calibrated application equipment.

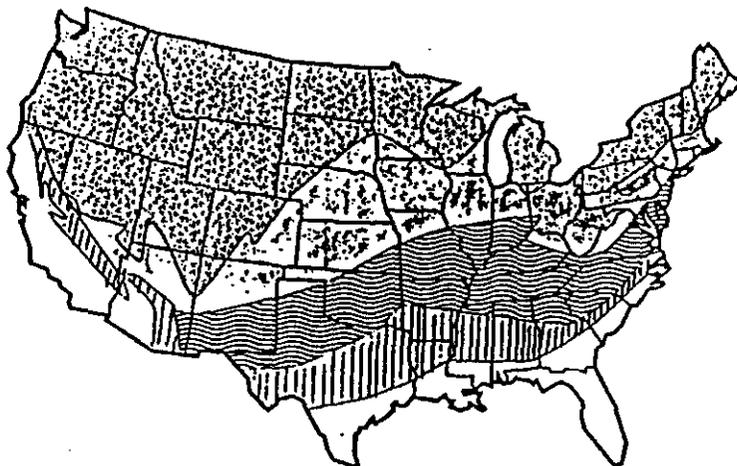
ESTABLISHED TURF

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

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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.

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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 Species¹⁾		
Turf Species:	lbs product/A	lbs ai/A
Bermudagrass ²⁾ Bahigrass Centipedegrass Seashore Paspalum St. Augustinegrass 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.

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- 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.

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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

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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

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<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsythia suspensa</i>	Weeping Forsythia
<i>F. viridissima</i>	Greenstem Forsythia

* 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>Gaillardia sp.</i>	Gaillardia, Blanket Flower: "Goblin"
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine, Radicans
<i>Gaura sp.</i>	
<i>Gentiana dahurica</i>	Gentian
<i>Gladiolus spp.</i>	Gladiolus species**
<i>Gypsophila repens</i>	Baby's Breath
<i>Hedera helix</i>	English Ivy
<i>Hellanthenum sp.</i>	Sunrose
<i>Hemerocallis sp.</i>	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Hibiscus</i>	Rose of Sharon**
<i>Hibiscus sp.</i>	Mallow: Disco Belle White
<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus
<i>Hosta plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>H. Sieboldiana</i>	Hosta, "Searsucker"
<i>Houttuynia cordata var. variegata</i>	
<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Ilex Bernyi</i>	Holly
<i>Ilex cornuta</i>	Chinese Holly
<i>I. crenata</i>	Japanese Holly; Helli
<i>I. opaca</i>	American Holly
<i>I. vomitoria</i>	Yaupon Holly; Schillings
<i>Inula ensifolia</i>	
<i>Iris ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris siberica</i>	Siberian Iris; Cabernet
<i>Iris spp.</i>	Iris species**
<i>Jasminium nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper; Nick's Compact, Parsonii
<i>J. conferta</i>	Shore Juniper; Blue Pacific
<i>J. davurica</i>	Parsoni
<i>J. horizontalis</i>	Creeping Juniper
<i>Juglans sp.</i>	Walnut*
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Lagerstomia indica X Fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana montevidensis</i>	Weeping Lantana
<i>Lavender sp.</i>	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

Japanese Privet

L. lucidum

Glossy Privet (Waxleaf)

Lillium 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 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, etc.)

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

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<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.

<u>Scientific Name</u>	<u>Common Name</u>
<i>P. sylvestris</i>	Scotch Pine
<i>P. taeda</i>	Loblolly Pine
<i>P. virginiana</i>	Virginia Pine
<i>Pistachio sp.</i>	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 sp.</i>	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 sp.</i>	Bradford Pear sp.
<i>Quercus Shumardii</i>	Oak, Shumard's Red
<i>Quercus spp.</i>	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 sp.</i>	Black-Eyed Susan; Goldstrum
<i>Santolina virens</i>	Santolina
<i>Saxifraga sp.</i>	Saxifrage; Purple Dome
<i>Scabiosa sp.</i>	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

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<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

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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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(Alternate wording restating the application rate in different unit of measure)

Application of this product at a rate of 2 lbs. /1000 square feet is equivalent to 86 lbs. / acre, .05 lbs. AI / acre.