

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Rebecca M Horton, Agent for Howard Fertilizer & Chemical Co., Inc. Registration by Design, Inc. 118 ½ East Main Street. Suite 1 Salem, VA 24153—3805

MAR 2 8 2008

Subject: Notification(s) for Label Revisions under PRN 98-10 and PRN 2007-4

(Storage & Disposal and Other Changes

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10 and 2007-4 dated February 11, 2008 for:

EPA Registration 35512-50 "Turf Pride Fertilizer with 0.50% Prodiamine"

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 98-10 and PRN 2007-4 and finds that the label changes requested fall within the scope of PRN-98-10 and PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

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

If you have any questions, please contact me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs



CERTIFIED MAIL #7007 3020 0001 8201 7855

February 11, 2008

118½ East Main Street Suite 1 Salem, VA 24153-3805 phone 540.375.8826 fax 540.375.8827

Document Processing Desk (NOTIF)
Office of Pesticide Programs/Reg. Div. (7505P)
U.S. Environmental Protection Agency
Ariel Rios Bldg.
1200 Pennsylvania Ave., NW
Washington, DC 20460

Re:

NOTIFICATION FOR COMPLIANCE WITH PR NOTICE 2007-4

EPA Reg. No. 35512-50, Turf Pride Fertilizer with 0.50% Prodiamine

Attn:

Linda Arrington

Notifications & Minor Formulations Team Leader

On behalf of Howard Fertilizer & Chemical Co., Inc. of Orlando, Florida, enclosed is notification of administrative label revisions, including revision to the Storage & Disposal text for compliance with PR Notice 2007-4.

The following documents are enclosed:

- 1) EPA Form #8570-1, Application for Pesticide Notification (2 copies)
- 2) Copy of the proposed label with revisions highlighted in red.

If further action or information is required on Howard's behalf, please advise.

Best regards,

Rebecca M. Horton Consultant/Agent for

HOWARD FERTILIZER & CHEMICAL CO., INC.

e-mail: hortonb@ntelos.net

RH/alb Enclosures



Please read instructions on reverse before completing form. Form Approved, OMB No. 2070-0060. Approva **OPP Identifier Number** Registration **United States Environmental Protection Agency Amendment** Washington, DC 20460 Other Application for Pesticide - Section I 2. EPA Product Manager 1. Company/Product Number 3. Proposed Classification 35512-50 Miller J None Restricted 4. Company/Product (Name)
Turf Pride® Fertilizer with 0.50% Prodiamine PM# 23 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling Howard Fertilizer & Chemical Co., Inc. P.O. Box 628202 EPA Reg. No. Orlando, FL 32862-8202 Check if this is a new address Product Name Section - II Final printed labels in repsonse to Amendment - Explain below. Agency letter dated "Me Too" Application. Resubmission in response to Agency letter dated_ Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Section II.) NOTIFICATION of: (1) Label Change per PR Notice 2007-4 This notification is consistent with the provisions of PR Notice 2007-4 and the requirements of EPA regulations at 40 CFR 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. Howard Fertilizer & Chemical Co., Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA, and further understands that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and Howard Fertilizer & Chemical Co., Inc. 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: Child Resistant Packaging Unit Packaging Water Soluble Packaging 2. Type of Container Matal Yes Yes Plastic No No No Glass Paper If "Yes" If "Yes" * Certification must Unit Packaging wgt. Package wgt Other (Specify) be submitted 3. Location of Net Contents Information 4 Size(s) Retail Container 5. Location of Label Directions on label Container 6. Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled Section - IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Teluptione No. (Include Area Code) Rebecca M. Horton Consultant/Agent for Howard Fertilizer & Chemical Co., Inc 540-375-8826 6. Date Application Certification Received I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment o. (Stamped) both under applicable law. Consultant/Agent for Howard Fertilizer & Chemical Co., Inc.

5. Date

2-11-08

4. Typed Name

Rebecca M. Horton

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0080. Approval **OPP Identifier Number** Registration United States **Environmental Protection Agency** Amendment Washington, DC 20460 Other Application for Pesticide - Section I 1. Company/Product Number 2. EPA Product Manager 3. Proposed Classification 35512-50 Miller None Restricted 4. Company/Product (Name) D44# Turf Pride® Fertilizer with 0.50% Prodiamine 23 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling Howard Fertilizer & Chemical Co., Inc. P.O. Box 628202 EPA Reg. No. Orlando, FL 32862-8202 Check if this is a new address **Product Name** Section - II Amendment - Explain below. Final printed labels in repsonse to Agency letter dated Resubmission in response to Agency letter dated ____ "Me Too" Application. Notification - Explain below. Other - Explain below. Explanation: Use additional page(s) if necessary. (For section I and Section II.) NOTIFICATION of: (1) Label Change per PR Notice 2007-4. This notification is consistent with the provisions of PR Notice 2007-4 and the requirements of EPA regulations at 40 CFR 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. Howard Fertilizer & Chemical Co., Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA, and further understands that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and Howard Fertilizer & Chemical Co., Inc. 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: Unit Packaging Child Resistant Packaging Water Soluble Packaging 2. Type of Container Metal Yes Yes Plastic Nο Nο No Glass Paper If "Yes" If "Yes" No. per No per * Certification must Unit Packaging wgt. centainer Package wgt Other (Specify) be submitted 3. Location of Net Contents Information 4 Size(s) Retail Container 5. Location of Label Directions on label Container 6. Manner in Which Lebel is Affixed to Product Other Lithograph Paper glued Stenciled Section - IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Telephone No. (Include Area Code) Consultant/Agent for Howard Fertilizer & Chemical Co., Inc. Rebecca M. Horton 540-375-8826. 6. Date Application Certification Received I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlinglly false or misleading statement may be punishable by fine or imprisonment or (Stamped) both under applicable law. 3. Title begger Il Horton Consultant/Agent for Howard Fertilizer & Chemical Co., Inc.

5. Date

2-11-08

4. Typed Name

Rebecca M. Horton

[MASTER LABEL - COMMERCIAL USE]

TURF PRIDE® FERTILIZER with 0.50% PRODIAMINE

[Additional Brand Name(s): Turf Pride® AccuBlend™ Fertilizer with 0.50% Prodiamine; John Deere Fertilizer with 0.50% Prodiamine; Turf Pride® AccuBlend™ Fertilizer with 0.50% Barricade Pre-Emergence Herbicide]

PRE-EMERGENCE HERBICIDE

For pre-emergence control of weed grasses and broadleaf weeds in established turf grasses, lawns, golf course fairways (not for putting greens), and sod farms. Use around landscape ornamentals, including established perennials and wildflower plantings.

ACTIVE INGREDIENT:	
Prodiamine*	0.50%
OTHER INGREDIENTS:	99.50%
Total	
* (CAS No. 2009-21-2)	

NET WT 50 POUNDS (22.7 kg)
READ ENTIRE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

Information Cent	er at 1-800-858-7378 for emergency medical treatment information.
If swallowed:	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If in Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
ff inhaled:	Move person to fresh air

PRECAUTIONARY STATEMENTS

If person is not breathing, call 911 or an ambulance, then give

artificial respiration, preferably by mouth-to-mouth, if possible.

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.

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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

<u>Users should:</u> 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.

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.

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.

Do not graze or feed livestock forage or hay cut from areas treated with this product. Do not apply aerially. Failure to follow the directions for use and precautions on this label may result in poor weed control, illegal residues, damaged turf or ornamental plants.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests and nurseries and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (sod farms, commercial nurseries.

<u>Do not enter</u> or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. <u>PPE required</u> 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 Nitrile rubber > 14 mils; and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The "WPS" applies when this product is used to produce agricultural plants on farms, foreats, 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.



Approximate Dates of Crabgrass Germination

North 3m Zone After May 10
T. a sitional Zone After April 20
Upper Southern Zone After Mar. 20
Southern States an 1 to Mar. 20

EPA Reg. No. 35512-50 February 11, 2008-notif

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This product is a turf fertilizer and a pre-emergence 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 omamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least 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.

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 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 <u>Maximum Annual Rates</u> section of this label. Most effective weed control in turf grasses will be obtained when this product is activated by at least ½ inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See map for approximate crabgrass seed germination dates.

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 product is applied before seeding secondary roots are in the second inch or soli, 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 in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds. Maximum use rate selection 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 of this product per calendar year by turfgrass species (1)		
Turf Species	Lbs. Product/Acre	Lbs. a.i./Acre
Creeping Bentgrass	130 lbs.	0.65 lbs
Creeping Red Fescue	150 lbs.	0.75 lbs.
Buffalograss Kentucky Bluegrass Perennial Ryegrass	200 lbs.	1.00 lbs.
Bermudagrass (2) Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf type) Zoysia	300 lbs.	1.50 lbs.

- (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 100 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 300 lbs. of this product to the same area per calendar year. Use the higher rates of this 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 as specified in the Maximum Annual Rates table.

WEEDS CONTROLLED

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

Pursiane, Common Pusiey, Florida Barnyardgrass Henbit Itchgrass Bluegrass, Annual Rescuegrass (3) Shepherd's Purse (2) (Poa annua) Johnsongrass Carpetweed Chickweed, Common (from seed) Signalgrass, Broadleaf Junglerice Chickweed, Mouseear Knotweed Speedwell, Persian Sprangletop (from seed) Kochia Crabgrass (Large, Smooth) Spurge, Prostrate Lambsquarter, Common Crowfootgrass Cupgrass, Woolly Foxtails, Annual Lovegrass Panicum (Texas, Witchgrass Woodsorrel, Yellow Fall, Browntop) (from seed)

Pigweed

(1) In many areas a single application of 130 to 300 lbs. per acre will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 150 to 200 lbs. per acre followed after 60 to 90 days by a second application at doses that would not exceed those give in the Maximum Annual Rates table. Do not exceed

the maximum rate for turf grass species listed in the Maximum Annual Rates table or

- (2) Application for Shepherd's purse should be made in late summer, fall, or winter prior to germination
- (3) Suppression only of rescuegrass.

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

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	Months Before Overseeding			Months Before Overseeding	
Lbs/Acre	a.i./Acre	Northern	Transition	Southern	
100	0.50	4	4	4	
130	0.65	5	4	4	
150	0.75	6	5	5	
160	0.80	•	6	6	
200	1.00	-	7	7	
228	1.14	-	-	9	
260	1.30	•	•	10	
300	1:50	-	-	12	



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 manual for calibrating your spreader. The settings indicated in the following table should

only be used as a guide in calibra				
	PREADER SETT			
To apply the	recommended an	nounts of a.i./a	acre	
Which are as follows:	0.65 lb	0.75 lb	1.0 lb	1.50 lb
50 lbs. treats sq. ft.:	16,778	14,535	10,893	7,257
Spreader Settings				
Scott's Evergreen 18"	#XX	#XX	#XX	#XX
Scott's 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 Trctr. *	#XX	#XX	#XX	#XX
Scotts R8A	#XX	#XX	#XX	#XX
Lesco New	#XX	#XX	#XX	#XX

LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED WILD FLOWER PLANTINGS

This product may be applied for residual pre-emergency control around Ornamentals as listed.

USE RATES

Apply 130 to 300 lbs. per acre (2.98 lbs. to 6.89 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 300 lbs. per acre.

APPLICATION TIMING AND INFORMATION

Apply uniformly to the surface of the soil in ornamental planting beds with a granular applicator. Calibrate your applicator to assure appropriate dosage as described above application. Calibrate your application. Calibrate your 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, you must use a calibrated applicator.

This product is a pre-emergence herbicide and will not control embraceds. Most effective weed control in ornamentals will be obtained when this product is activated by at least ½ 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 fiee of clods, weeds, meet weed control is obtained when this product is applied to son hee or coos, weeds, and debris such as leaves. Prior to application of fusi product, control existing vegetation by hand weeding, cultivation, or the use of an appropriate rost-emergence herbicide.

ESTABLISHED LANDSCAPH 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 LANDSCAPE ORNAMENTALS

This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form

Goosegrass (1)



roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union. Imgate after application as above

TOLERANT ORNAMENTAL SPECIES

This product will not harm most trees, shrubs, vines and flowers. The species listed here are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface. This product may be applied over the top of these species, provided spray residue on shoots of plants is washed to the soil by over the top irrigation or by adequate rain soon after application.

	rnamentals viidflowers, as listed.
Common Name	Scientific Name
Fir species** (Balsam, Fraser, Noble, etc.)	Abies spp**
Abelia: Sherwood	Abelia grandiflora
Japanese Maple	Acer palmatum
Norway Maple	A. platanoides
Yarrow: King Edward Kiwi*	Achillea, sp.
Lily-of-the-Nite (African lily)	Actinidia chinensis*
Lily-or-the-nile (Amcan IIIy)	Agapanthus africanus
Five-Leaf or Chocolate Vine	Agapanthus orientalis Akebia quintata
Lady's Leek, Nodding Onion	Allium cernuum
Japanese Anemone	Anemone hybrida
Aquilegia: Red and Gold	Aquilegia sp.
Vine Hill Manzanita	Arctostaphylos densiflora
Cape Weed	Arctotheca calendula
Wormwood; Silver Mound, Castle	Artemesia sp.
Aster: Bonny Blue, Purple Dome	Aster sp.
ricior. Dorny Bibb, r dipid Dorio	Aster X Frikartii
Lady Fern; Fern Lady	Athrium Filiz-femina
Japanese Aucuba	Aucuba japonica
Fibrous Begonia: Hardy Grandis Barberry	Begonia sp.
Wintergreen	Berberis gladwynensis
Barberry	B. julianae
Mentor Barberry	B. mentorensis
Japanese Barberry	B. thunbergii
Warty Barberry	B. verruculosa
·•,	Bergenia cordifolia
Snowbank	Boltonia asteroids
Bougainvillea	Bougainvillea spp.
Butterfly-Bush (Dward Blue); Royal Red	Buddleia davidii
Japanese Boxwood	Buxus microphylla
Weeping Bottlebrush	Callistemon viminalis
Scotch Heather	Calluna vulgaris
Tussock Bellflower (White Clips)	Campanula carpatica
Trumpet Creeper, Trumpet Flower, Madame Galen	Campis X Tagliabuana
Hottentot Fig (Ice Plant)	Carpobrotus edulis
Feathery Cassia	Cassia artemisoides
Wild Lilac	Ceanothus rigidus
	Ceratostigma plumbagonoide:
False Cypress	Chamaecyparis pisifera
	Chrysanthemum nipponicum
Cleyera	Cleyera japonica
Citrus species*	Citrus spp.*
Coreopsis (Calliopsis): Early Sunnise, Moonbeam	Coreopsis sp.
Flowering Dogwood	Cornus florida
American Dogwood	C. stolonifera
Pampas Grass	Cortaderia selloana
Cranberry Cotoneaster	Cotoneaster apiculatus
Cotoneaster	C. buxifolius
Bearberry Cotoneaster	C. dammeri
Rockspray Cotoneaster	C. microphyllus
Hawthome	Cretaegus spp.
Lucifer	Crocosmia sp.
Italian Cypress	Cupressus sempervirens
White Trailing Ice Plant	Delosperma alba
Cooperi Pink	Delosperme sp.
Larkspur: Blue Elf	Delphinium sp.
Dianthus: Maiden Pinks "Zing"	Dianthus deltoids
Cheddar Pink	D. gratianopolitanus
Hop Bush	Dodonea viscose
Coneflower, Purple; Magnus	Echinacea purpurea
Silverberry	Elaeagnus pungens
Wintercreeper	Euonymus fortunei
Japanese Spindle Tree (Evergreen Euonymus)	E. japonica
Spreading Euonymus	E. kiautschovica
Japanese Aralia	Fatsia japonica
Border Forsythia	Forsythia intermedia
Weeping Forsythia	F. suspensa
Greenstem Forsythia	F. viridissima
Gaillardia, Blanket Flower: "Goblin"	Gaillardia sp.
Gardenia, Cape-Jasmine, Radicans	Gardenia jasminoides
	Gaura sp.
Gentian	Gentiana dahurica
Cranesbill	Geranium cinereum
	Gladiolus spp.**
Gladiolus species**	
Gladiolus species** Baby's Breath	Gypsophila repens
Gladiolus species** Baby's Breath English Ivy	Hedera helix
Gladiolus species** Baby's Breath	

For Use Around Landscape O	
Including established perennials and w	
Common Name Mallow: Disco Belle White	Scientific Name Hibiscus sp.
Chinese Hibiscus	Hibiscus rosa-sinensis
Hosta, Plantain Lily (Fragrant)	Hosta plantaginea
Hosta, "Searsucker"	H. Sieboldiana
	Houttuynia cordata var.
	variegata
Bigleaf Hydrangea	Hydrangea macrophylla
Chinese Holly	llex cornuta
Japanese Holly; Helleri American Holly	I. crenate
Holly	I. opaca I. pernyi
Yaupon Holly; Schillings	I. vomatoria
, acpointing, commigo	Inula ensifolia
Sword-Leaved Iris; Jodelsong	Iris ensata
Siberian Iris; Cabernet	Iris siberica
Iris species**	Iris spp.**
Winter Jasmine	Jasminium udiflorum
Chinese Juniper; Nick's Compact, Parsonnii	Juniperus chinesis
Shore Juniper; Blue Pacific	J. conferta
Parsoni Crassing lypings	J. davurca
Creeping Juniper Walnut*	J. horizontalis
Shrimo Plant	Juglans sp. Justicia brandegeana
Grand Paris	Lagerstromia
Crape Myrtle	Indica Lagerstromia indica X
Crape Myrtle; Tuscarora	Fauriei
Weeping Lantana	Lantana montevidensis
Lavender; Munstead	Lavender sp.
Edelweiss	Leontopodium alpinum
Chinese Privet; Variegata	Ligustrum sinense
Amur Privet	L. amurense
Japanese Privet Glossy Privet (Waxleaf)	L. Japonicum L. lucidum
Lily; Jazz Big Blue Lily; Turf;	Lillum sp.
Silver Mound; Evergreen Giant	Liriope muscari
Liriope, Variegated	Liriope Muscari var. variegata
Liriope, Creeping	Liriope spicata
Cardinal Flower, Indian Pink	Lobelia Cardinalis
Japanese Honeysuckle	Lonicera japonica
Tatarian Honeysuckle	L. tatarica
Burgundy	Loropetalum chinense
Loosestrife; Modern Pink	Lythrum sp.
Magnolia species**	Magnolia spp.**
Ice Plant Crabapple*	Maleophora luteola Malus sp.*
	I Maius SD.
Yaku Jima, Silberfeder	Miscanthus sinensis
Yaku Jima, Silberfeder Heavenly Bamboo	Miscanthus sinensis Nandina domestica
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species**	Miscanthus sinensis Nandina domestica Narcissus spp. **
Yaku Jima, Silberfeder Heavenly Bamboo	Miscanthus sinensis Nandina domestica
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphylius
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony	Miscanthus sinensis Nandina domestica Nercissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf)	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado*	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip)	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia sulfruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp. ** Pieris japonica
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picas spp. ** Pieris japonica Pinus brutia
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii
Yaku Jima, Silberfeder Heavenly Bamboo Naricssus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia sulfruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elilottii P. halepensis
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valtey Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elilottii P. halepensis P. nigra
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Vailey Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia sulfruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. palustrus P. palustrus P. palustrus
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picas spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atripicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. strobus P. styvešvis P. tada P. teginiana P. strobus P. styvešvis P. teda P. virginiana
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Chigina Pine Coloration Colo	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea * Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elilottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. sylvešins P. sylvešins P. viginiana Pistachio sp. *
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern While Pine Scotch Pine Loblolly Pine Virginia Pine (Canary Island Pine Loblolly Pine Virginia Pine (Canary Island Pine Loblolly Pine (Canary Pi	Miscanthus sinensis Nandina domestica Narcissus spp.** Nenium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia sulfruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. sylvešins P. taeda P. strobus P. taeda P. trigniana Pistachio sp.* Pittospor m rhombifolium
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Virginia Pine Virginia Pine Virginia Pine Queensland Pittosporum Japanese Pittosporum	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picas spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. sylvesris P. taeda P. virginiana Pistachio sp. * Pittospor m rhom bifolium P. tobira ** C. * C.
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Vatley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Virginia Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. strobus P. stylvešvis P. teda P. treda P. treda P. tripiniana Pistachio sp. ** Pitstachio sp. ** Pitstopor m rhom bifolium P. tobira ** P. todocarpus macrophyllus
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Cipensiand Pittosporum Japanese Yew English Laurei	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia sulfruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. sylvešins P. taeda P. strobus P. taeda P. trigniana Pistachio sp.* Pittospor m rhom bifolium P. tobira L. C.
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Austrian Pine Austrian Pine Longeaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Virginia Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Pium & Prune*	Miscanthus sinensis Nandina domestica Narcissus spp. ** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp. ** Pieris japonica Pinus brutia P. canariensis P. elilottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. styvesvis P. styvesvis P. steda P. tiginiana Pistachio sp. * Pittospor m rhom bifolium Prodocarpus macrophyllus Prunus lauro sp. *
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Prune*	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphylius Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. strobus P. strobus P. strobus P. stylvešris P. teada P. trunbergiana P. strobus
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmenthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Prune* Douglas Fir** Firethorn (Scariet)	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. styvesiris P. teeda Pistachio sp.* Pittospor m rhom bifolium P. tobira (** Prunus spp.** Prunus leuroc s 35 U Prunus sp.* Psudostuga menziesii** Praeuene
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False; Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valtey Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern While Pine Scotch Pine Loblolly Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Prune* Tirethorn (Scarlet) Firethorn	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia sulfruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physotegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. pallottii P. halepensis P. nigra P. palustrus P. radiata P. tstrobus P. sylvešins P. teeda P. tvirginiana Pistachio sp. Pittospor m rhom bifolium P. tobira P. rodocarpus macrophyllus Prunus sp.* Presudostuga menziesii** Pyracantha coc.inea P. fortuneana
Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species** Oleander Olive* Mondo Grass Osmanthus (False Holly): Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf) Avocado* Frasier's Photinia (Redtip) Dragonhead, False: Vivid Spruce species** (Colorado, Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Virginia Pine Pistachio* Queensland Pittosporum Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Pium & Prune* Firethorn Firethorn Firethorn Firethorn	Miscanthus sinensis Nandina domestica Narcissus spp.** Nerium oleander Olea europea* Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana Photinia fraseri Physolegia Viginiana Picea spp.** Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. thunbergiana P. strobus P. strobus P. stylvešins P. teeda P. tropiniana Pistachio sp. Pistachio sp. Pitospor m rhorr bifolium P. tobira Prunus sp. Pseudotsuja menziesii** Pyracantha cociinea P. fortuneana P. koidzuriii Pyrus sp. Pyrus sp. Pyracantha cociinea P. fortuneana Prosephications
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For Use Around Landscape O		
Including established perennials and wildflowers, as listed.		
Common Name	Scientific Name	
Coral Bells, Delaware Valley White, Flame Creeper,	Rhododendron (including	
Formosa, Girard Crimson, George L. Tabor, Hino-	Azalea)	
crimson, PJM, Roseum Elegans, Wakeiebisu, White		
Gumbo		
Lady Bank's Rose*	Rosa banksiae*	
Rosemary*	Rosmarinus officinalis*	
Black-Eyed Susan; Goldstrum	Rudbeckia sp.	
Santolina	Santolina, virens	
Saxifrage; Purple Dome	Saxifraga sp.	
Pincushion Flower	Scabiosa sp.	
Stonecrop	Sedum album	
Stonecrop; Lidakense	Sedum cauticola	
Stonecrop	Sedum dasyphyllum	
Stonecrop; Dragon's Blood	Sedum spurium	
Spirea: Anthony Waterer	Spiraea Bumalda	
Australian Brushcherry	Syzygium paniculatum	
Japanese Yew	Taxus cuspidata	
Yew	T. media	
Germander	Teucrium sp.	
Meadow Rue	Thalictrum dipterocarpum	
American Arborvitae	Thuja occidentalis	
Star Jasmine	Trachelospermum asiatum	
Canada Hemlock	Tsuga canadensis	
Tulip species	Tulipa spp.	
Veronica, Speedwell; Sunny Border	Veronica sp.	
Japanese Viburnum	Viburnum japonicum	
Sweet Viburnum	V. odoratissimum	
Japanese Snowball	V. plicatum	
Canary Island Viburnum	V. rigidum	
Arrow wood Viburnum	V. suspensum	
Laurustinus	V. tinus	
Cranberry Bush	V. trilobium	
Leatherleaf Viburnum	V. wrightii	
Greater Periwinkle, Vinca	Vinca major	
Common Periwinkle, Vinca	Vinca minor	
Grape*	Vitis sp.*	
Old Fashioned Weigela	Weigela florida	
Spanish Bayonet, Yucca	Yucca aloifolia	
Adam's Needle, Yucca	Y. filamentosa	

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

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. PESTICIDE STORAGE: Store in original container away from other fertilizer, feed, or foodstuffs 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: Nonrefillable container. Do not reuse or refill empty bag. Completely empty bag into application equipment. Offer for recycling, if available, or dispose of empty bag 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.

If product is spilled, sweep up and use as per label instructions or dispose of as indicated above.

GUARANTEED FERTILIZER ANALYSIS X-X-X

Total Nitrogen (N)*x.xx% Ammoniacal Nitrogen	x.xx%
x.xx% Nitrate Nitrogen	
x.xx% Water Soluble (and/or Urea) Nitrogen	
x.xx% Water Insoluble Nitrogen	
Available Phosphate (P ₂ O ₅)	x.xx%
Soluble Potash (K ₂ O)	x.xx%
Magnesium (Mg)	x.xx%
x.xx% Water Soluble Magnesium (Mg)	
Boron (B)	x.xx%
Total Copper (Cu)	
x.xx% Water Soluble Copper (Cu)	
Total Iron (Fe)	x xx%
x.xx% Water Soluble Iron (Fe)	
Total Manganese (Mn)	v vv%
x.xx% Water Soluble Manganese (Mn)	
Molybdenum (Mo)	
Total Zinc (Zn)	X.XX%
x.xx% Water Soluble Zinc (Zn)	

Derived from

*x.xx% slowly available nitrogen from ...

Chlorine (CI), not more than x.xx%.

F1261

CONDITIONS OF SALE & WARRANTY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Howard Fertilizer & Chemical Co., Inc. All such risks shall be assumed by the user or buyer. DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, there are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of Howard Fertilizer & Chemical Co., Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Howard Fertilizer & Chemical Co., Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: To the extent consistent with applicable law, the

LIMITATION OF WARRANTIES: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at Howard Fertilizer & Chemical Co., Inc.'s option, the replacement of the product.

Howard Fertilizer & Chemical Co., Inc. P.O. Box 628202, Orlando, FL 32862-8202

[Lot no. to be added at production]

[ADDENDUM LABEL - RESIDENTIAL USE ONLY]

TURF PRIDE® FERTILIZER with 0.50% PRODIAMINE

[Additional Brand Name(s): Turf Pride® AccuBlend™ Fertilizer with 0.50% Prodiamine; John Deere Fertilizer with 0.50% Prodiamine; Turf Pride® AccuBlend™ Fertilizer with 0.50% Barricade Pre-Emergence Herbicide]

PRE-EMERGENCE HERBICIDE

For pre-emergence control of weed grasses and broadleaf weeds in established residential lawns and ornamental landscapes, including established perennials and wildflower plantings.

ACTIVE INGREDIENT:	
Prodiamine*	
OTHER INGREDIENTS:	99,50%
Total	100.00%
* (CAS No. 2909-21-2)	

NET WT 25 POUNDS (11.4 kg)
READ ENTIRE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

doctor, or going for	container or label with you when calling a poison control center or or treatment. You may also contact the National Pesticide er at 1-800-858-7378 for emergency medical treatment information.
If swallowed:	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If In Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
ff inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye injury (imitation). 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.

Wear long sleeved shirt, long pants, chemical resistant gloves, shoes plus socks, and a dust mask. 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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use in commercial greenhouses, nurseries, on sod farms or grass grown for seed. For residential use only.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or on lawns and grounds.

Do not graze or feed livestock forage or hat cut from areas treated with this product. Do not apply aerially. Failure to follow the directions for use and precautions on this label may result in poor weed control, illegal residues, damaged turf or ornamental plants.



This product is a turf fertilizer and a pre-emergence herbicide that provides residual control of many grass and broadleaf weeds in established residential lawns and around landscape ornamentals, established perennials and wildflower plantings. It controls susceptible weeds by inhibiting weed seed germination and root development. Most effective weed control will be obtained when this product is activated by at least ½ inch of rainfall, irrigation, or shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application. Do not graze or feed domestic animals forage cut from areas treated with this product. Failure to follow the directions for use and precautions on this label may result in poor weed control, crop injury, or illegal residues.

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 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 ½ inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See map for approximate crabgrass seed germination dates.

This product 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. This product will not control established weeds. Maximum use rate selection 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.

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 Gays after seedling 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 that at this soil. (3) Do not apply to newly set sod until the following year. (4) Application to turf stiessed 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 (yeed control. (6) Do not apply this product to areas where dichondra, colonial because.) Evel bentgrass, or annual bluegrass (Poa annua) are desirable species.

Rates of Application

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

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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 of this product per calendar year by turfgrass species (1)	
Turf Species	Lbs. Product/1,000 ft*
Creeping Bentgrass	3 lbs.
Creeping Red Fescue	3.5 lbs.
Buffalograss Kentucky Bluegrass Perennial Ryegrass	4.5 lbs.
Bermudagrass (2) Bahiagrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf type) Zoysia	7.0 lbs.

(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 2.25 lbs. per 1.000 ft². 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 7 lbs. of this product to the same 1,000 ft² area per calendar year.

 Use the higher rates of this 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 as specified in the Maximum Annual Rates table.

WEEDS CONTROLLED

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

Barnyardgrass Bluegrass, Annual (Poa annua) Carpetweed

Henbit Itchgrass Johnsongrass (from seed) Junglerice

Knotweed

Rescuegrass (3) Shepherd's Purse (2) Signalgrass, Broadleaf Speedwell, Persian Sprangletop Spurge, Prostrate Witchgrass

Woodsorrel, Yellow

(from seed)

Purslane, Common Pusley, Florida

Chickweed, Common Chickweed, Mouseear (from seed) Crabgrass (Large, Smooth) Crowfootgrass Cupgrass, Woolly Foxtails, Annual

Goosegrass (1)

Kochia Lambsquarter, Common Lovegrass Panicum (Texas,

Fall, Browntop)

(1) In many areas a single application of 3 to 7 lbs. per 1,000 ft² 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 3 to 4.5 lbs. per 1,000 ft followed after 60 to 90 days by a second application at doses that would not exceed those give in the Maximum Annual Rates table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rates table on this label.

(2) Application for Shepherd's purse should be made in late summer, fall, or winter prior to germination.

(3) Suppression only of rescuegrass.

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	Months Before Overseeding		
Lbs/1,000 ft ²	Northern	Transition	Southern
2.25	4	4	4
3	5	4	4
3.5	6	5	5
3.7	•	6	6
4.5	•	7	7
5.25	•		9
6	-	•	10
7	-	· · · · · · · · · · · · · · · · · · ·	12



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.

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S	PREADER SETT	INGS		
To apply the recom	mended amounts	of product pe	r 1,000 ft ²	
Which are as follows:	3 lbs	3.5 lbs	4.5 lbs	7 lbs
25 lbs. treats sq. ft.:	8,333	7,143	5,555	3,570
Spreader Settings				•
Scott's Evergreen 18"	#XX	#XX	#XX	#XX
Scott's 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 Trctr. "	#XX	#XX	#XX	#XX
Scotts R8A	#XX	#XX	#XX	#XX
Lesco New	#XX	#XX	#XX	#XX

LANDSCAPE ORNAMENTALS INCLUDING ESTABLISHED WILD FLOWER PLANTINGS

This product may be applied for residual pre-emergence control around Ornamentals as listed.

USE RATES

Apply 3 to 7 lbs. per 1,000 ft² 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 7lbs. per 1.000 ft²

APPLICATION TIMING AND INFORMATION

Apply uniformly to the surface of the soil in ornamental planting beds with a granular applicator. Calibrate your applicator to assure appropriate dosage as described above under "Use Rates", prior to application. Calibrate your 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, you must use a calibrated applicator.

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 $\frac{1}{2}$ 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 post-emergence herbicide.

ESTABLISHED LANDSCAPE ORNAMENTALS

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product in the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

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

TOLERANT ORNAMENTAL SPECIES

This product will not harm most trees, shrubs, vines and flowers. The species listed here are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface. This product may be applied over the top of these species, provided spray residue on shoots of plants is washed to the soil by over the top impation or by adequate rain soon after application.

For Use Around Landscap Including established perennials a	
Common Name	Scientific Name
Fir species** (Balsam, Fraser, Noble, etc.)	Abies spp**
Abelia: Sherwood	Abelia grandiflora
Japanese Maple	Acer palmatum
Norway Maple	A. platanoides
Yarrow: King Edward	Achillea, sp.
Kiwi*	Actinidia chinensis*
Lily-of-the-Nile (African lily)	Agapanthus africanus
<u> </u>	Agapanthus orientalis
Five-Leaf or Chocolate Vine	Akebia quintata
Lady's Leek, Nodding Onion	Allium cé riuum 1
Japanese Anemone	, Anemone hybride
Aquilegia: Red and Gold	. Aquilegia sp.
Vine Hill Manzanita	Arctostaphylos densiflora
Cape Weed	Arctotheca calendula
Wormwood; Silver Mound, Castle	CC Artemesic sp: 1- CC
Aster: Bonny Blue, Purple Dome	Aster sp.
	Aster X Frikar ii
Lady Fern; Fern Lady	Athrium Filiz-(əmina
Japanese Adedaba	Aucuba japonica
Fibrous Begonia: Hardy Grandis Barberry	, Begonia sp.
Wintergreen	
Barberry	B. julianae
Mentor Barberry	B. mentoreraio
For Use Around Landsca including established perennials and w	pe Ornamentals vildflowers, as listed (cont'd.)
Common Name	Scientific Name
Japanese Barberry	B. thunbergii
Warty Barberry	B. verruculosa
•	Bergenia cordifolia

Snowbank	Boltonia asteroids
Bougainvillea	Bougainvillea spp.
Butterfly-Bush (Dward Blue); Royal Red	Buddleia davidii
Japanese Boxwood	Buxus microphylla
Weeping Bottlebrush	Callistemon viminalis
Scotch Heather	Calluna vulgaris
Tussock Beltflower (White Clips)	Campanula carpatica
Trumpet Creeper, Trumpet Flower, Madame Galen	Campis X Tagliabuana
Hottentot Fig (Ice Plant)	Carpobrotus edulis
Feathery Cassia	Cassia artemisoides
Wild Lilac	Ceanothus rigidus
	Ceratostigma plumbagonoides
False Cypress	Chamaecyparis pisifera
	Chrysanthemum nipponicum
Cleyera	Cleyera japonica
Citrus species*	Citrus spp.*
Coreopsis (Calliopsis): Early Sunrise, Moonbeam	Coreopsis sp.
Flowering Dogwood	Cornus florida
American Dogwood	C. stolonifera
Pampas Grass	Cortaderia selloana
Cranberry Cotoneaster	Cotoneaster apiculatus
Cotoneaster	C. buxifolius
Bearberry Cotoneaster	C. dammeri
Rockspray Cotoneaster	C. microphyllus
Hawthorne	Cretaegus spp.
Lucifer	Crocosmia sp.
Italian Cypress	Cupressus sempervirens
White Trailing Ice Plant	Delosperma alba
Cooperi Pink	Delosperma sp.
Larkspur: Blue Elf	Delphinium sp.
Dianthus: Maiden Pinks "Zing"	Dianthus deltoids
Cheddar Pink	D. gratianopolitanus
Hop Bush	Dodonea viscose
Coneflower, Purple; Magnus	Echinacea purpurea
Silverberry	Elaeagnus pungens
Wintercreeper	Euonymus fortunei
Japanese Spindle Tree (Evergreen Euonymus)	E. japonica
Spreading Euonymus	E. kiautschovica
Japanese Aralia	Fatsia japonica
Border Forsythia	Forsythia intermedia
Weeping Forsythia	F. suspensa
Greenstem Forsythia	F. viridissima
Gaillardia, Blanket Flower: "Goblin"	Gaillardia sp.
Gardenia, Cape-Jasmine, Radicans	Gardenia jasminoides
	Gaura sp.
Gentian	Gentiana dahurica
Cranesbill	Geranium cinereum
Gladiolus species**	Gladiolus spp. **
Baby's Breath	Gypsophila repens
English Ivy	Hedera helix
Sunrose	Hellanthemum sp.
Daylily: Aztec Gold, Stella De Oro, Tender Love	Hemerocallis sp.
Rose of Sharon**	Hibiscus
Mallow: Disco Belle White	Hibiscus sp.
Chinese Hibiscus	Hibiscus rosa-sinensis
Hosta, Plantain Lily (Fragrant)	Hosta plantaginea
Hosta, "Searsucker"	H. Sieboldiana
•	Houttuynia cordata var.
Piete (III decease	variegata
Bigleaf Hydrangea	Hydrangea macrophylla
Chinese Holly	llex cornuta
Japanese Holly; Helleri	I. crenate
American Holly	I. opaca
Holly	I. pernyi I. vomatoria
Yaupon Holly; Schillings	I. vornatoria Inula ensifolia
Sword-Leaved Iris; Jodelsong	Iris ensata
Siberian Iris; Cabernet	Iris erisata Iris siberica
Iris species**	Iris spp. **
ma apadea	
	Jasminium udiflorum
Winter Jasmine	Jasminium udiflorum Juniperus chinesis
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii	Juniperus chinesis
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific	Juniperus chinesis J. conferta
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni	Juniperus chinesis J. conferta J. davurca
Winter Jasmine Chinese Juniper, Nick's Compact, Parsonnii Shore Juniper, Blue Pacific Parsoni Creeping Juniper	Juniperus chinesis J. conferta J. davurca J. horizontalis
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut*	Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp.
Winter Jasmine Chinese Juniper, Nick's Compact, Parsonnii Shore Juniper, Blue Pacific Parsoni Creeping Juniper	Juniperus chinesis J. conferta J. devurca J. horizontalis Jugians sp. Justicla brandegeana
Winter Jasmine Chinese Juniper, Nick's Compact, Parsonnii Shore Juniper, Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant	Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp.
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle	Juniperus chinesis J. conferta J. davurca J. horizontaliis Juglans sp. Justicia brandegeana Lagerstromia
Winter Jasmine Chinese Juniper, Nick's Compact, Parsonnii Shore Juniper, Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X
Winter Jasmine Chinese Juniper: Nick's Compact, Parsonnii Shore Juniper: Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle: Tuscarora Weeping Lantana	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Wainut' Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp.
Winter Jasmine Chinese Juniper, Nick's Compact, Parsonnii Shore Juniper, Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum
Winter Jasmine Chinese Juniper: Nick's Compact, Parsonnii Shore Juniper: Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata	Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut' Shrimp Plant Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Amur Privet	Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp. Justicla brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense
Winter Jasmine Chinese Juniper, Nick's Compact, Parsonnii Shore Juniper, Blue Pacific Parsoni Creeping Juniper Wainut* Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender, Munstead Edelweiss Chinese Privet; Variegata Amur Privet Japanese Privet	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Amur Privet Japanese Privet Glossy Privet (Waxleaf)	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Levender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. lucidum
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut Shrimp Plant Crape Myrtle Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Amur Privet Japanese Privet Glossy Privet (Waxleaf)	Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp. Justicla brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. lucidum Jrnamentals
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Amur Privet Japanese Privet (Waxieaf)	Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp. Justicla brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. lucidum Jrnamentals
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Wainut' Shrimp Plant Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Armur Privet Japanese Privet Glossy Privet (Waxleaf) For Use Around Landscape C Including established perennials and wildfi	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. iucidum Drnamentals Rowers, as listed (cont'd.)
Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Amur Privet Japanese Privet Glossy Privet (Waxleaf) For Use Around Landscape Cincluding established perennials and wildf Common Name	Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amerese L. japonicum L. lucidum Trnamentals Illowers, as Ilsted (cont'd.) Scientific Name

Linope, Creeping	Liringa poienta
Cardinal Flower, Indian Pink	Liriope spicata Lobelia Cardinalis
Japanese Honeysuckle	Lonicera japonica
Tatarian Honeysuckle	L. tatarica
Burgundy	Loropetalum chinense
Loosestrife; Modern Pink	Lythrum sp.
Magnolia species**	Magnolia spp.**
Ice Plant	Maleophora luteola
Crabapple*	Malus sp.*
Yaku Jima, Silberfeder	Miscanthus sinensis
Heavenly Bamboo	Nandina domestica
Narcissus species**	Narcissus spp.**
Oleander	Nerium oleander
Olive*	Olea europea*
Mondo Grass	Ophiopogon japonicus
Osmanthus (False Holly): Gulf Tide	Osmanthus heterphyllus
Trailing African Daisy	Osteospermum fruticosum
Sourwood	Oxydendrum arboreum
Tree Peony	Paeonia suffruticosa
Fountain Grass (Dwarf)	Pennisetum setaceumi
r barriant Grada (Ditarry	Perovskia atriplicifolia
Avocado*	Persea americana
Frasier's Photinia (Redtip)	Photinia fraseri
Dragonhead, False; Vivid	Physotegia Viginiana
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. elliottii
Aleppo Pine	P. halepensis
Austrian Pine	P. nigra
Longleaf Pine	P. nigra P. palustrus
	P. radiata
Monterey Pine Japanese Black Pine	P. fadiata P. thunbergiana
Eastern White Pine	P. strobus
Scotch Pine	P. sylvestris
Lobfolly Pine	P. taeda
Virginia Pine	P. virginiana
Pistachio*	Pistachio sp.*
	Pittosporum rhombifolium
Queensland Pittosporum Japanese Pittosporum	P. tobira
Japanese Yew	Podocarpus macrophyllus
English Laurel Almond, Apricot, Nectarine, Peach, Plum & Prune*	Prunus laurocerasus
Douglas Fir**	Prunus sp.* Pseudotsuga menziesii**
Douglas Fir	Pyracantha coccinea
Firethorn (Scarlet)	
Firethorn	P. fortuneana
Firethorn Firethorn	P. fortuneana P. koidzumii
Firethorn Firethorn Bradford Pear sp.	P. fortuneana P. koidzumli Pyrus sp.
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp.
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne	P. fortuneana P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn	P. fortuneana P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper,	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino-	P. fortuneana P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hinocrimson, PJM, Roseum Elegans, Wakeiebisu, White	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea)
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakelebisu, White Gumbo Lady Bank's Rose*	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae*
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary*	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis*
Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakelebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum	P. fortuneana P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp.
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus Shp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckie sp. Santolina, virens
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Santinae; Purple Dome	P. fortuneana P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp.
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower	P. fortuneana P. koidzumli P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabbosa sp.
Firethorn Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop	P. fortuneana P. koidzumli P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop; Lidakense	P. fortuneana P. koidzumii P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis imbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifrega sp. Scabiosa sp. Sedum album Sedum cauticola
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop Stonecrop Lidakense	P. fortuneana P. koidzumii P. koidzumii Quercus Sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum caulicola Sedum dasyphyllum
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakelebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dorne Pincushion Flower Stonecrop; Lidakense Stonecrop; Udakense Stonecrop; Dragon's Blood	P. fortuneana P. koidzumli P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum dasyphyllum Sedum dasyphyllum
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop; Lidakense Stonecrop; Dragon's Blood Spirea: Anthony Waterer	P. fortuneana P. koidzumli P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum spythylium Sedum Sedum dasyphylium Sedum Sedumum Spiraea Bumalda
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop; Lidakense Stonecrop; Dragon's Blood Spirea: Anthony Waterer Australian Brushcherry	P. fortuneana P. koidzumii P. koidzumii Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis imbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum cauticola Sedum dasyphyllum Sedum spurium Spiraea Bumelde Syzygium paniculatum
Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakelebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop; Lidakense Stonecrop Stonecrop: Dragon's Blood Spirea: Anthony Walterer Australian Brushcherry Japanese Yew	P. fortuneana P. koidzumli P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum cauticola Sedum dasyphyllum Sedum spurium Spiraea Bumalda Syzygium paniculatum Taxus cuspidata
Firethorn Firethorn Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper, Formosa, Girard Crimson, George L. Tabor, Hino- crimson, PJM, Roseum Elegans, Wakeiebisu, White Gumbo Lady Bank's Rose* Rosemary* Black-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop; Lidakense Stonecrop; Dragon's Blood Spirea: Anthony Waterer Australian Brushcherry Japanese Yew Yew	P. fortuneana P. koidzumli P. koidzumli Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea) Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum cauticola Sedum cauticola Sedum dasyphyllum Sedum spurium Spiraea Bumalda Syzygium paniculatum Taxus cuspidata T. media
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Old Fashioned Weigela	Weigela florida
Spanish Bayonet, Yucca	Yucca aloifolia
Adam's Needle, Yucca	Y. filamentosa

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

STORAGE & DISPOSAL

PESTICIDE STORAGE: Store in original container, in a cool dry place out of

reach of children and pets.

PESTICIDE DISPOSAL: If partly filled – Call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor

CONTAINER DISPOSAL: If empty - Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

GUARANTEED FERTILIZER ANALYSIS X-X-X

Total Nitrogen (N)*xx% Ammoniacal Nitrogen x.xx% Nitrate Nitrogen	x.xx%
x.xx% Water Soluble (and/or Urea) Nitrogen	
x.xx% Water Insoluble Nitrogen	
Available Phosphate (P ₂ O ₅)	x.xx%
Soluble Potash (K ₂ O)	x.xx%
Magnesium (Mg)	x.xx%
x.xx% Water Soluble Magnesium (Mg)	
Boron (B)	x.xx%
Total Copper (Cu)	
x.xx% Water Soluble Copper (Cu)	
Total Iron (Fe)	x.xx%
x.xx% Water Soluble Iron (Fe)	
Total Manganese (Mn)	x.xx%
x.xx% Water Soluble Manganese (Mn)	
Molybdenum (Mo)	x xx%
Total Zinc (Zn)	x.xx%
x.xx% Water Soluble Zinc (Zn)	

Derived from

*x.xx% slowly available nitrogen from ...

Chlorine (CI), not more than x.xx%.

F1261

CONDITIONS OF SALE & WARRANTY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of **Howard Fertilizer & Chemical Co., Inc.** All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, there are no

warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of Howard Fertilizer & Chemical Co., Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Howard Fertilizer & Chemical Co., Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at **Howard Fertilizer & Chemical Co.**, Inc.'s option, the replacement of the product.

HOWARD FERTILIZER & CHEMICAL CO., INC. P.O. Box 628202, Orlando, FL 32862-8202

[Lot no. to be added at production]