

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

OFFICE OF PREVENTION. PESTICIDES AND TOXIC SUBSTANCES

AUG 24 2007

Ms. Rebecca M. Horton Consultant/Agent Howard Fertilizer & Chemical Co., Inc. P.O. Box 628202 Orlando, FL 32862-8202

RE: Additional Brand Name (Turf Pride® AccuBlend™ Fertilizer with 0.0% Barricade Pre-Emergence Herbicide), Revise Warranty Statement; and removal of "1-800-CLEANUP" from Storage & Disposal text

EPA Registration Number: 35512-50 Date of Submission: July 23, 2007

Dear Ms. Horton:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated July 23, 2007, for the product Turf Pride® Fertilizer with 0.50% Prodiamine. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader

Registration Division (7505P)

Office of Pesticide Programs

======================================	everse before completing form		Form Amount	4 OMB No. 201		<b>0 A</b>	2/12
<b>\$EPA</b>	United Sta Environmental Prote Washington, DO	tes ction Agency	Porm Approve	Registration Amendment Other	on	7	expires 2-28-95 fier Number
	Applic	ation for Pesticide	e - Section	i			
1. Company/Product Number 35512-50		2. EPA Pr	oduct Manager		3. Pr	oposed Class	- <b>-</b>
4. Company/Product (Name) Turf Pride® Fertilizer with		PM# 23	PM#		Restricted		
5. Name and Address of App	licant (Include ZIP Code)	6. Expec	lited Reveiw.	In accordance	e with	FIFRA Sect	ion 3(c)(3)
Howard Fertilizer & C P.O. Box 628202 Orlando, FL 32862-8		(b)(i), my to:		nilar or identica			
Check if this	is a new address	Product	Name				
		Section - II					
Amendment - Explain	,	<u> </u>	gency letter da		N	OTIFICA	TION
Notification - Explain	onse to Agency letter dated below.	,	Me Too" Applic Other - Explain b		,	AUG 242	.007
This notification is consistent with the product. Howard Fertilizer & Chemical	NUP" from Storage & Disposal te provisions of PR Notice 98-10 and EPA regu Co., Inc. understands that it is a violation of 40 CFR 152.46, this product may be in viola	lations at 40 CFR 152.46, and no oth 18 U.S.C. Sec. 1001 to willfully make	e any faise statement t	o EPA, and further und	erstands t	hat if this notificati	ion is not consistent
		Section - III					
1. Material This Product Will	Be Packaged In:			<del>,</del>			
Child-Resistant Packaging Yes No * Certification must	Ves No  If "Yes" No. pe Unit Packaging wgt. contain		No. per	F	Aetal Tastic ilass Taper	specify)	
be submitted							
3. Location of Net Contents  Label	nformation 4. Size(s	) Retail Container	5. Ld	on label	Directio	ens	
6. Manner in Whieft Label is Affixed to Product Paper Stend		ithograph aper glued tenciled	Other				
		Section - IV	·	•			
1. Contact Point (Complete	items directly below for identifi	cation of individual to be	contacted, if nec	essary, to proce	ss this	application.)	
Name Rebecca M. Horton		Title Consultant/Agent	Telephone No. (!re!uide // ant/Agent (540) 375-8826		Area Code)		
	ments I have made on this form y knowlinglly false or misleadin				ete	6. Date App Received	
2. Signature Kelselea M	Horton	3. Title Consultant/Agent		. ( ( )		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	
4. Typed Name Rebecca M. Horton		5. Date July	23, 2007			, , , , , , ,	

ese read instructions on reverse before completing form.	Form Approved	OMP No. 2070.008	S O. Approvel expires 2-28
United States  Environmental Protection Ag  Washington, DC 20460	ency	Registration Amendment Other	OPP Identifier Number
Application for	Pesticide - Section I		
1. Company/Product Number 35512-50	2. EPA Product Manager Miller	3. Pro	pposed Classification
4. Company/Product (Name) Turf Pride® Fertilizer with 0.50% Prodiamine	PM# 23		None Restricted
5. Name and Address of Applicant (Include ZIP Code)  Howard Fertilizer & Chemical Co., Inc.  P.O. Box 628202  Orlando, FL 32862-8202  Check if this is a new address	6. Expedited Reveiw. (b)(i), my product is simil to: EPA Reg. No. Product Name	ar or identical in co	
Se	ction - II		
Amendment - Explain below.  Resubmission in response to Agency letter dated  Notification - Explain below.  Explanation: Use additional page(s) if necessary. (For section I and S NOTIFICATION: of Additional Brand Name (Turf Pride® AccuBlend™ Fertil and removal of "1-800-CLEANUP" from Storage & Disposal text.  This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR product. Howard Fertilizer & Chemical Co., Inc. understands that it is a violation of 18 U.S.C. Sec. 10	izer with 0.50% Barricade Pre-Er	ion.  ow.  mergence Herbicide; re	idential Statement of Formula of this
with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and and 14 of FIFRA.	Howard Fertilizer & Chemical Co., Inc. may	PA, and further understands to be subject to enforcement acti	nat if this notification is not consistent ion and penalties under sections 12
	tion - III		
Yes No No No. per If "Yes" No. per If "Yes"	Yes No	2. Type of Container  Metal Plastic Glass Paper Other (S	pecify)
3. Location of Net Contents Information 4. Size(s) Retail Container  6. Manner in Which Label is Affixed to Product Paper glued Stenciled	5. Loca [	on label	08
<u> </u>	tion - IV		
Contact Point   Complete items directly below for identification of indi  Name  Title		Telephone	No. ริโกยีนีย์ Area Code)
Certification I certify that the statements I have made on this form and all attact acknowledge that any knowlingly false or misleading statement report both under applicable law.  2. Signature  3. Title		ate and co[npie]te.	8826 C. G. Bate Application Received (Stamped)

5. Date

July 23, 2007

4. Typed Name

Rebecca M. Horton-



[MASTER LABEL - COMMERCIAL USE]

# AUG 24 2007 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%
	99.50%
	100.00%
* (CAS No. 2909-21-2)	

# 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.

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 vorniting 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.
lf on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with pienty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled:	Move person to fresh air.     If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably 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

### 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 dothing. 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

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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; chemical sistant gloves such as butyl rubber > 14 mils or natural 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, forests, or nurseries. Applicators and handlers should wear long-sleeved shirt, long pants, chemical resistant gloves, shoes with socks, and protective eyev 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 Craberass Germination

r hern Zon. After May 10 Transitional Zone After April 20 Upper Southern Zone After Mar. 20 Southern States 'an 1 to Mar. 20

EPA Reg. No. 35512-50 July 23, 2007-notif

EPA Est. No. 35512-FL-2 Page 1 of 3 Pages



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 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, 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 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 Maximum Annual Rates section of this label. Most effective weed control in turf ses will be obtained when this product is activated by at least 1/2 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See 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 furf within 60 days after seeding or until after the second mowing whichever is longer. Injury to desirable seedings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not out (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 (Poe annua) are desirable

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 Centilpedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf type) Zoysia	300 lbs.	1.50 lbs.	

These are the maximum rates per calendar year by species limitations.
 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. Barnyardgrass Bluegrass, Annual (Poa annua)

Chickweed Common

Carpetweed

Goosegrass (1)

Henbit Itchgrass **Johnsongrass** (from seed) Junglerice Knotweed

Purslane, Common Pusley, Florida Rescuegrass (3) Shepherd's Purse (2) Signalgrass, Broadleaf Speedwell, Persian Sprangletop Spurge, Prostrate

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

Kochia Lambsquarter, Common Lovegrass Panicum (Texas Fall, Browntop)

Witchgrass Woodsorrel, Yellow (from seed)

(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 on this label

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

(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 turk 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/Acre	a.l./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	T .	-	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.

S	PREADER SETT	INGS		
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 Omamentals 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 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 ½ inches of rainfall or irrigation, or with shallow (1 to 2 inches) acchanical 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 clc.ds, 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 ornamontals as a broadcard, over the top, or directed application. Irrigation or rainfall soon after application will wast, recidues off plant foliage and activate this product in the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

This product may be applied to newly transplanted omamentals as a bloadcast, 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 irrigation or by adequate rain soon after application.

Including established perennials and v	vildflowers, as listed.
Common Name	Scientific Name
Fir species** (Balsam, Fraser, Noble, etc.)	Abies spp**
Abelia: Sherwood	Abelia grandiflora
Japanese Maple	Acer palmatum
Norway Maple Yarrow: King Edward	A. platanoides Achillea, sp.
Kiwi*	Actinidia chinensis*
Lily-of-the-Nile (African lily)	Agapanthus africanus
	Agapanthus orientalis
Five-Leaf or Chocolate Vine	Akebia quintata
Lady's Leek, Nodding Onion	Allium cernuum
Japanese Anemone	Anemone hybrida
Aquilegia: Red and Gold Vine Hill Manzanita	Aquilegia sp. Arctostaphylos densiflora
Cape Weed	Arctotheca calendula
Wormwood; Silver Mound, Castle	Artemesia sp.
Aster: Bonny Blue, Purple Dome	Aster sp.
· · · · · · · · · · · · · · · · · · ·	Aster X Frikartii
Lady Fern; Fern Lady	Athrium Filiz-femina
Japanese Aucuba	Aucuba japonica
Fibrous Begonia: Hardy Grandis Barberry Wintergreen	Begonia sp.
Barberry	Berberis gladwynensis B. julianae
Mentor Barberry	B. mentorensis
Japanese Barberry	B. thunbergii
Warty Barberry	B. verruculosa
	Bergenia cordifolia
Snowbank	Boltonia asteroids
Bougainvillea	Bougainvillea spp. Buddleia davidii
Butterfly-Bush (Dward Blue); Royal Red Japanese Boxwood	Buxus microphylla
Weeping Bottlebrush	Callistemon viminalis
Scotch Heather	Calluna vulgaris
Tussock Beliflower (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
Enles Comesses	Ceratostigma plumbagonoides
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	Cotoneaster apiculatus 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
Cooper Pink	Delosperma sp.
Larkspur: Blue Elf	Delphinium sp.
Dianthus: Maiden Pinks "Zing" Cheddar Pink	Dianthus deltoids 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 Weeping Forsythia	Forsythia intermedia F. suspensa
Greenstern Forsythia	F. viridissima
Gaillardia, Blanket Flower: "Goblin"	Geillardia 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
Surrose Dayilly: Aztec Gold, Stella De Oro, Tender Love	Hellanthemum sp. Hemerocallis sp.

Mallow: Disco Belle White F. Chinese Hibiscus F. Hosta, Plantain Lily (Fragrant) F. Hosta, "Searsucker" F.	flowers, as listed. Scientific Name Hibiscus sp.
Common Name  Mallow: Disco Belle White Finance Hibiscus Fhosta, Plantain Lily (Fragrant) Flosta, "Searsucker" Finance	Scientific Name Hibiscus sp.
Chinese Hibiscus F. Hosta, Plantain Lily (Fragrant) F. Hosta, "Searsucker" F.	
Hosta, Plantain Lily (Fragrant)  Hosta, "Searsucker"  F	
Hosta, "Searsucker"	Hibiscus rosa-sinensis
· ·	Hosta plantaginea H. Sieboldiana
70-1-711-7	Houttuynia cordata var.
	variegata
	lydrangea macrophylla
	lex cornute . crenata
	. opaca
	. pernyi
, , , , , , , , , , , , , , , , , , , ,	. vomatoria
	nula ensifolia
	ris ensata ris siberica
	ris spp.**
Winter Jasmine J	lasminium udiflorum
	luniperus chinesis
	I. conferta
	J. davurca
	I. horizontalis luglans sp.
	lusticia brandegeana
· ·	Lagerstromia
Crape Myrtle li	ndica Lagerstromia indica X
Crape Myrtle; Tuscarora	Fauriei
	antana montevidensis
	.avender sp. .eontopodium alpinum
Chinese Privet; Variegata	igustrum sinense
	amurense
Japanese Privet L	. japonicum
	lücidum
Lily, Jazz Big Blue Lily; Turf;	.illum sp.
	iriope muscari Iriope Muscari var. variegata
	Iriope spicata
	obelia Cardinalis
Japanese Honeysuckie	onicera japonica
	tatarica
	oropetalum chinense
	ythrum sp.
	Magnolia spp.** Maleophora luteola
	Malus sp.*
	Miscanthus sinensis
Heavenly Bamboo A	Vandina domestica
	Varcissus spp.**
	Nerium oleander
	Olea europea* Ophiopogon japonicus
Osmanthus (False Holly): Gulf Tide	Osmanthus heterphyllus
Trailing African Daisy (	Osteospermum fruticosum
Sourwood (	Oxydendrum arboreum
Tree Peony F	Paeonia suffruticosa
	Pennisetum setaceumi Perovskia atriplicifolia
	Persea americana
	Photinia fraseri
Dragonhead, False; Vivid	Physotegia Viginiana
	Picea spp.**
	Pieris japonica Pinus brutia
	Pinus brutia P. canariensis
	P. elliottii
	P. halepensis
Austrian Pine	P. nigra
Longleaf Pine F	P. palustrus
	P. radiata
	P. thunbergiana P. strobus
	P. sylvestris
	P. taeda 👝 🧓
Virginia Pine	P. virginiana c
	Pistachio sp:
	Pittospozum:rhombifolium
r musiktum	P. tobira C Podocarpus macrophyllus
	Prunus laurocorasus
Japanese Yew /	Prunus sp.*
Japanese Yew Foolish Laurel (CCCC)	rando up.
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Frune Douglas Fir*  Japanese Yew	Pseudotsüga měnziesli**
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Frune Douglas Fir* Firethorn (Scarlet)	Pseudotsüg≏ mēn≂iesli** Pyracar⊾ha cc.x::nea
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Frune Douglas Fir* Firethom (Scarlet) Firethorn	Pseudotsüge men≠iesli** Pyracan.ha cc.:::::nea P. fortuneana
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Prune  Douglas Fir* Firethom (Scarlet) Firethom Fi	Pseudotsuge menziesii** Pyracan.ha cc.sc.nea P. fortuneana P. koidz.mii
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Frune Douglas Fir* Firethom (Scarlet) Firethom Firethom Bradford Pear sp.	Pseudotsüge mēnziesli** Pyracari.ha oc Xinea P, fortuneana P, koidzimii (Pyrus sp. CC) Pyrus sp. CC
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Frune Douglas Fir* Firethom (Scarlet) Firethom Firethom Bradford Pear sp. Oak, Shumard's Red	Pseudotsüg= mēn=iesii** Pyracan.he cc X.nee P. forfuneane P. koidz:mii Pyrus sp. CC Quercus Shumardii
Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum & Frune Douglas Fir** Firethorn (Scarlet) Firethorn Firethorn Bradford Pear sp. Oak, Shumard's Red Oak species	Pseudotsüge mēnziesli** Pyracari.ha oc Xinea P, fortuneana P, koidzimii (Pyrus sp. CC) Pyrus sp. CC

For the Around Landscane O	rnamentale		
For Use Around Landscape Ornamentals 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. triloblum		
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		

<sup>\*</sup>Do not use on food producing trees, vines or plants

# STORAGE & DISPOSAL

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

STORAGE: Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may

be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse empty bag. Completely empty bag into application equipment. Then 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%
x.xx% Ammoniacal Nitrogen	
x.xx% Nitrate Nitrogen	
x.xx% Water Soluble (and/or Urea) Nitrogen	
x.xx% Water Insoluble Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	x.xx%
Soluble Potash (K <sub>2</sub> O)	x.xx%
Magnesium (Mg)	x.xx%
x.xx% Water Soluble Magnesium (Mg)	
Boron (B)	x.xx%
Total Copper (Cu)	x.xx%
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 merchaniability 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.

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

<sup>\*\*</sup>Not for use on container grown plants.

[ADDENDUM LABEL - RESIDENTIAL USE ONLY]

# TURF PRIDE® FERTILIZER with 0.50% PRODIAMINE

[Additional Brand Name(s): Turf Pride® AccuBlend<sup>TM</sup> Fertilizer with 0.50% Prodiamine; John Deere Fertilizer with 0.50% Prodiamine; Turf Pride® AccuBlend<sup>TM</sup> 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*	0.50%
OTHER INGREDIENTS:	
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** 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. 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 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 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. or clothing: If 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 (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.

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 <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.

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 CONTROL

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 unity after the second mowing whichever is longer. Injury to desirable seedlings is likely if this picture is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. (3) Do not apply to newly set sod until the following year. (4) Application to turf stressed by crought, low fertility, or pest damage may result in turf injury. (5) Dicturbing the berbictie barrier with cultural practices such as disking may result in reduced weed courto. (6) Eo not apply this product to areas where dichondra, colonial benturass, velvet bentgrass, ur 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. (ALX.T.I.m 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.

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# **MAXIMUM ANNUAL RATES**

This product is recommended for use on the turf grass species listed in the following table. Do

Maximum application rate of this by turfgrass sp	
Turf Species	Lbs. Product/1,000 ft <sup>2</sup>
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) Zovsia .	7.0 lbs.

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

(1) Inese 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 ft. 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

Barnvardgrass Bluegrass, Annual (Poa annua) Carpetweed Chickweed, Common Chickweed, Mouseea

Crabgrass (Large, Smooth)

(from seed)

Crowfootgrass

Cupgrass, Woolly

Foxtails, Annual

Goosegrass (1)

Henhit Itchgrass Johnsongrass (from seed) Junglerice Knotweed Kochia

Lambsquarter, Common

Lovegrass Panicum (Texas, Fall, Browntop) Pursiane Common Pusley, Florida

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

Witchgrass Woodsorrel, Yellow (from seed)

(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 ft² 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 turl 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

(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 <sup>2</sup>	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 <sup>2</sup>	
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 ft<sup>2</sup> 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 ft<sup>2</sup>

#### **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 irrigation or by adequate rain soon after application.

For Use Around Landsca 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
,	Agapanthus orientalis
Five-Leaf or Chocolate Vine	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.
	Aster X Frikartii
Lady Fern; Fern Lady	Athrium Filiz-femina
Japanese Aucuba	. Aucuba anonice.
Fibrous Begonia: Hardy Grandis Barberry	Begonis sp.C
Wintergreen	Berberis gladwynensis
Barberry	ιι B. juliana¢, ιιι
Mentor Barberry	B. menturensiu
For Use Around Landsc	
Including established perennials cade	
Common Name	Scientific Name
Japanese Barberry	B. thunhergii
Warty Barberry	B. verrucu.c x
	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 Lifac	Ceanothus rigidus
Felos Cuesca	Ceratostigma plumbagonoides
False Cypress	Chamaecyparis pisifera
Cleyera	Chrysanthemum nipponicum Cleyera japonica
Citrus species*	Citrus spp.*
Coreopsis (Calliopsis): Early Sunrise, Moonbeam	Caraccia so
Flowering Dogwood	Coreopsis sp. Cornus florida
American Dogwood	C. stolonifera
Pampas Grass	Cortaderia selloana
Cranberry Cotoneaster	
Cotoneaster	Cotoneaster apiculatus
	C. buxifolius C. dammeri
Bearberry Cotoneaster	
Rockspray Cotoneaster Hawthorne	C. microphyllus
Lucifer	Cretaegus spp.
	Crocosmia sp.
ttalian Cypress White Trailing Ice Plant	Cupressus sempervirens
Cooperi Pink	Delosperma alba
	Delosperma sp.  Delphinium sp.
Larkspur: Blue Elf Dianthus: Maiden Pinks "Zing"	Dianthus deltoids
Cheddar Pink Cheddar Pink	D. gratianopolitanus
Hop Bush	Dodonea viscose
Coneflower, Purple; Magnus	Echinacea purpurea
Silverberry Wintercreeper	Elaeagnus pungens
	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.
Distract Ludger	Variegata
Bigleaf Hydrangea	Hydrangea macrophylla
Chinese Holly	Hydrangea macrophylla liex cornuta
Chinese Holly Japanese Holly; Helleri	Hydrangea macrophylla llex comuta I. crenata
Chinese Holly Japanese Holly; Helleri American Holly	Hydrangea macrophylla llex comuta I. crenata I. opaca
Chinese Holly Japanese Holly; Helleri American Holly Holly	Hydrangee macrophylla llex comuta l. crenata l. opaca l. pernyi
Chinese Holly Japanese Holly; Helleri American Holly	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings Sword-Leaved Iris; Jodelsong	Hydrangea macrophylla llex cornuta l. crenata i. opaca l. pernyi l. vomatoria inula ensifolia iris ensata
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species**	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensate Iris siberica Iris spp.**
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil	Hydrangea macrophylla llex cornuta 1. crenata 1. opaca 1. pernyi 1. vomatoria Inula ensiflolia fris ensata fris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris spp. ** Jasminium udiflorum Juniperus chinesis J. conferta
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Padfic Parsoni	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris sperica Iris sperica Iris sperica Jasminium udiflorum Juniperus chinesis J. conferta J. davurca
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsonil Creeping Juniper	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensificia Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. dayurca J. horizontalis
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut*	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensiflolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp.
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsonil Creeping Juniper	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris ensata Iris siberica Iris spp. ** Jasminium udiflorum Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp. Justicia brandegeana
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris siberica Iris spp.**  Jasminium udiflorum Juniperus chinesis J. conferta J. davurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensificia Iris ensata Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. dayurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnii Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant  Crape Myrtle Crape Myrtle; Tuscarora	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensiflolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. devurca J. horizontalis Jugians sp. Justicia brandegeana Legerstromia Indica Lagerstromia indica X Fauriei
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut' Shrimp Plant  Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. dovurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Faurlei Lantana montevidensis
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant  Crape Myrtle Crape Myrtle; Tuscarora	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp.
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant  Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. dovurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Faurlei Lantana montevidensis
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant  Crape Myrtle Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. davurca J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp.
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** 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	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensificia Iris ensata Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. dayurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant  Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edelweiss Chinese Privet; Variegata Arnur Privet	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensitolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. devurca J. horizontalis Juglans sp. Lusticia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil 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	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. horizontalis Jugians sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil 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)	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris ensata Iris ensata Iris ensata Iris ensata Iris spp. " Jasminium udiflorum Juniperus chinesis J. conferta J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. lucidum
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Shore Juniper; Riue 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	Hydrangea macrophylla Ilex comuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensitolia Iris ensata Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. devurca J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. lucidum Ormamentals
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil 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)  For Use Around Landscape including established perennials and wild	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris ensata Iris siberica Iris siberica Iris siberica Iris spp.**  Jasminium udiflorum Juniperus chinesis J. conferta 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. ligidum Ornamentals Ilowers, as Ilsted (cont'd.)
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil 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)  For Use Around Landscape Including established perennials and wild	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensificia Iris ensata Iris ensata Iris siberica Iris siberica Iris spp.** Jasminium udiflorum Juniperus chinesis J. conferta J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia Indica Lagerstromia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense L. amurense L. japonicum L. lucidum Ornamentals Ilevers, as listed (cont'd.) Scientific Name
Chinese Holly Japanese Holly; Helleri American Holly Holly Yaupon Holly; Schillings  Sword-Leaved Iris; Jodelsong Siberian Iris; Cabernet Iris species** Winter Jasmine Chinese Juniper; Nick's Compact, Parsonnil Snore 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 including established perennials and willd	Hydrangea macrophylla Ilex cornuta I. crenata I. opaca I. pernyi I. vomatoria Inula ensifolia Iris ensata Iris ensata Iris siberica Iris siberica Iris siberica Iris spp.**  Jasminium udiflorum Juniperus chinesis J. conferta 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. ligidum Ornamentals Ilowers, as Ilsted (cont'd.)

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	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
,	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. palustrus
Monterey Pine	P. radiata
Japanese Black Pine	P. thunbergiana
Eastern White Pine	P. strobus
Scotch Pine	P. sylvestris
Lobioliy Pine	P. taeda
Virginia Pine	P. virginiana
Pistachio*	Pistachio sp.*
Queensland Pittosporum Japanese	Pittosporum rhombifolium
Pittosporum	P. tobira
Japanese Yew	Podocarpus macrophyllus
English Laurel	Prunus laurocerasus
Almond, Apricot, Nectarine, Peach, Plum & Prune*	Prunus sp.*
Douglas Fir**	Pseudotsuga menziesii**
Firethorn (Scarlet)	Pyracantha coccinea
Firethorn	P. fortuneana
Fifetnom	P. koidzumii
Firethorn	
	Pyrus sp.
Bradford Pear sp.	Pyrus sp.
Bradford Pear sp. Oak, Shumard's Red	Pyrus sp. Quercus Shumardii
Bradford Pear sp. Oak, Shumard's Red Oak species	Pyrus sp. Quercus Shumardii Quercus spp.
Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthome	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica
Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata
Bradford Pear sp.  Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper,	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbeliate Rhododendron (including
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-	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata
Bradford Pear sp.  Oak, Shumard's Red Oak species Indian Hawthorne Yedda Hawthorn Coral Bells, Delaware Valley White, Flame Creeper,	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbeliate Rhododendron (including
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	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbeliate Rhododendron (including
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	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea)
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*	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbeliata Rhododendron (including Azalea)  Rosa banksiae*
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*	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis Indica Raphiolepsis umbeliata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis*
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	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp.
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	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azelea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens
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	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azelea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens
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	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbeliata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifiraga sp.
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	Pyrus sp. Quercus Shumardii Quercus Spp. Raphiolepsis Indica Raphiolepsis umbellata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifrega sp. Scabiosa sp.
Bradford Pear sp. Oak, Shumard's Red Oak species Indian Hawthorne Yedda 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	Pyrus sp. Quercus Shumardii Quercus Spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azelea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scablosa sp. Sedum album
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* Rosemary* Salack-Eyed Susan; Goldstrum Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop; Lidakense	Pyrus sp. Quercus Shumardii Quercus Spp. Raphiolepsis indica Raphiolepsis umbeliata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum cauticola
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 Santollina Saxifrage; Purple Dome Pincushion Flower Stonecrop Stonecrop; Lidakense Stonecrop	Pyrus sp. Quercus Shumardii Quercus spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolia, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum cauticola Sedum dasyphyllum
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; Cidakense Stonecrop; Cidakense Stonecrop; Stonecrop Stonecrop; Stonecrop Stonecrop; Dragon's Blood	Pyrus sp. Quercus Shumardii Quercus Spp. Raphiolepsis indica Raphiolepsis umbeliata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifraga sp. Scabiosa sp. Sedum album Sedum cauticola
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; Cidakense Stonecrop; Cidakense Stonecrop; Stonecrop Stonecrop; Stonecrop Stonecrop; Dragon's Blood	Pyrus sp. Quercus Shumardii Quercus Spp. Raphiolepsis indica Raphiolepsis umbellata Rhododendron (including Azalea)  Rosa banksiae* Rosmarinus officinalis* Rudbeckia sp. Santolina, virens Saxifrega sp. Scabiosa sp. Sedum cauticola Sedum dasyphyllum Sedum spurium
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Old Fashioned Weigela	Weigela florida
Spanish Bayonet, Yucca	Yucca aloifolia
Adam's Needle, Yucca	Y. filamentosa

\*Not for use on container grown plants.

# **STORAGE & DISPOSAL**

**STORAGE:** Store in original container, in a cool dry place out of reach of children and pets.

**DISPOSAL:** If empty – Do not reuse this container. Place in trash or offer for recycling if available. If partly filled – Call you local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

#### **GUARANTEED FERTILIZER ANALYSIS X-X-X**

Total Nitrogen (N)*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 <sub>2</sub> O <sub>5</sub> )	x.xx%
Soluble Potash (K <sub>2</sub> 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% 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

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

12/12

CERTIFIED MAIL #7007 0710 0002 1179 6367

July 23, 2007

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

Joanne Miller (PM 23)
Document Processing Desk (NOTIF)
Office of Pesticide Programs/Reg. Div. (7504P)
U.S. Environmental Protection Agency
Ariel Rios Bldg.
1200 Pennsylvania Ave., NW
Washington, DC 20460

Re:

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

Notification

Attn: Ms. Miller (PM 23)

On behalf of Howard Fertilizer & Chemical Co., Inc. of Orlando, Florida, enclosed is notification of an additional brand name (Turf Pride® AccuBlend Fertilizer with 0.50% Barricade Pre-Emergence Herbicide), revised warranty statement, and removal of 1-800-CLEANUP from the Storage & Disposal text for the above-referenced pesticide registration.

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 blue.

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

Elecca M-Horton

BMH/sjh

**Enclosures** 

cc: CBarton/HFCC

member CPDA

> ne serbis Silone de Bolie entodo. Reconstrucciós de la proposition de Bolie de Silone de Silone