

Specimen Label

A selective preemergence surface-applied herbicide for control of annual grasses and many

- Landscape Ornamentals
- Container Grown OrnamentalsField Grown Ornamentals
- Drainage Areas Under Shadehouse Benches

- Ornamental Bulbs
- Ground Covers/Perennials
- Christmas Tree Plantations
- · Non-cropland and Industrial Sites and nonbearing vineyards
- Established Warm Season Turf (including Bahiagrass, Bermudagrass, Buffalograss, Centipedegrass, St. Augustinegrass and Zoysiagrass)
 • Tall Fescue (warm season areas)
- · Non-bearing fruit and nut trees

ACTIVE INGREDIENT:	% BY WT.
Oryzalin: 3,5-dinitro-N4N4-dipropylsulfanilamide	41.0%
INERT INGREDIENTS:	<u>59.0%</u>
TOTAL:	100.0%

Contains 4 pounds of active ingredient per gallon.

EPA Reg. No. 73220-5-81927

EPA Est. No. 37429-GA-1

KEEP OUT OF REACH OF CHILDREN CAUTION

Distributed by: Alligare, LLC 13 N. 8th Street Opelika, AL 36801

PRECAUTIONARY STATEMENTS **Hazards to Humans and Domestic Animals** CAUTION

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants
- Chemical-resistant gloves
- · Shoes plus socks
- Mixers and loaders must wear a chemical-resistant apron in addition to other PPE.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40] CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS

USER SAFETY RECOMMENDATIONS

- 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
- 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 pesticide is 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. DO NOT contaminate water when disposing of equipment washwaters. Cover or incorporate spills.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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 regulations.

AGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Workers may enter treated areas without required PPE during the reentry interval following 1/2 to 1 inch of rainfall or irrigation, if they are performing tasks that **DO NOT** involve contact with the soil subsurface; otherwise, PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in 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, nurseries, or greenhouses.

Entry Restrictions for Non-WPS Uses: Keep all persons, children and pets out of treated area until sprays have dried.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal

Pesticide Storage: Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste

Pesticide Disposal: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Refillable Container: Refillable container. Refill this container with oryzalin only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.
FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL
CHEMTREC AT 1-800-424-9300; Outside US: 1-703-527-3887.

You may contact PROSAR 1-800-308-5391 for emergency medical treatment information.

GENERAL INFORMATION

Alligare Oryzalin 4 Pro herbicide is a preemergence surface-applied product for the control of many annual grasses and broadleaf weeds in ornamental plantings, bulbs, ground covers/perennials, established warm-season turfgrass, Christmas tree plantations, nonbearing trees and vines, and non-cropland and industrial sites.

Alligare Oryzalin 4 Pro is orange in color and may cause temporary discoloration of sprayed surfaces. If this discoloration is undesirable, it may be altered by using a commercially available colorant such as Blazon or removed by spraying surface with water or washing with an industrial cleaner immediately after application. Alligare Oryzalin 4 Pro may also be applied with mulch colorants, such as Mulch Magic or Nu-Mulch.

Treatment of Plant Species Not Listed on the Label for Alligare Oryzalin 4 Pro Users who wish to use Alligare Oryzalin 4 Pro on plant species not recommended on this label may determine the suitability for use by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30-60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. The user assumes

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responsibility for any plant damage or other liability resulting from use of Alligare Oryzalin 4 Pro on plant species not recommended on this label.

Aerial Application

DO NOT aerially apply this product.

Chemigation

DO NOT apply this product through any type of irrigation system.

DO NOT graze or feed forage from treated areas to livestock.

Precaution

Avoid spray drift to non-target areas when applying Alligare Oryzalin 4 Pro. Spray drift may result in reduced emergence of non-target plants adjacent to the treated area. Poor weed control may result if directions are not followed. Over-application may result in crop injury or excessive soil residue.

APPLICATION

Soil Preparation

Alligare Oryzalin 4 Pro controls weeds growing from seed. Alligare Oryzalin 4 Pro will not control emerged weeds. Alligare Oryzalin 4 Pro does not control established weeds, weeds growing from stolons, rhizomes, or root pieces. Therefore, areas to be treated should be free of emerged weeds. Weed residues, pruning, and trash should be thoroughly mixed into the soil or removed prior to treatment. In field applications, the soil should be in good tilth and free of clods at the time of application.

Ground Application

Apply Alligare Oryzalin 4 Pro as a directed spray to the soil surface or over the top of plants. Use only a properly calibrated, low-pressure, herbicide sprayer that will apply the spray uniformly. Use screens no finer than 50 mesh in nozzles and in-line strainers. Apply the appropriate rate of Alligare Oryzalin 4 Pro as outlined in APPROVED USES section of this label. In all cases, use sufficient water volume to obtain uniform coverage and deliver the desired rate of Alligare Oryzalin 4 Pro to the treated area. The volume of water used is not critical as long as the desired rate of Alligare Oryzalin 4 Pro is delivered uniformly across the area treated. When calibrating, determine the volume of water delivered by the sprayer to a given area (100 Sq ft, 1 acre, etc.). Then mix the desired rate of Alligare Oryzalin 4 Pro in the amount of water required to cover the entire area to be treated. As the amount of water used (spray volume) decreases, the importance of accurate calibration and uniform application increases. Check the sprayer daily to ensure proper calibration and uniform application. Maintain continuous agitation from mixing through application. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application.

Hand Held or Backpack Sprayer Application

The amount of water used to apply Alligare Oryzalin 4 Pro herbicide is not critical, but should be sufficient for uniform coverage of the target area. Calibrate by determining the volume of water required to treat 1,000 square feet. Use this calibration volume to determine the amount of water and Alligare Oryzalin 4 Pro herbicide needed to treat the target area (see the following calibration example). **Note:** Sprayer calibration (volume of spray needed to treat 1,000 square feet) will vary with each individual operator.

Steps in Calibration

- 1. Mark an area of 1,000 square feet (i.e. 20 by 50 feet, or 25 by 40).
- 2. Place the sprayer on a level surface and add water noting the final level of water in the spray tank.
- 3. Spray the marked area with a sufficient volume of water to provide uniform coverage Refill the sprayer to the same level as before measuring the amount of water added. The measured water added to the sprayer is the volume needed to cover 1,000 square feet.
- 4. Determine the application rate (fl oz/1000 sq ft) for Alligare Oryzalin 4 Pro from the APPROVED USES section of this label.
- 5. To each volume of water used, as measured in step 3, add the amount of Alligare Oryzalin 4 Pro as determined in step 4.

Example: If the sprayer used 2 gallons of water to cover 1.000 square feet and the desired application rate of Alligare Oryzalin 4 Pro is 3 fl oz/1,000 square feet, then you would add 3 fluid ounces of Alligare Oryzalin 4 Pro to every 2 gallons of water to be used

MIXING DIRECTIONS

Shake Well Before Using

DO NOT allow the spray mixture to siphon back into water source

Alligare Oryzalin 4 Pro-Alone

Make sure spray tank is clean and use only clean water. Fill spray tank 1/2 - 3/4 full. Start agitation and add the required amount of Alligare Oryzalin 4 Pro. Continue agitation and finish filling the spray tank. Maintain continuous agitation until application is completed.

Alligare Oryzalin 4 Pro-Tank Mix Combinations

Prior to mixing, read and carefully follow all label instructions and precautions for each product added to the tank mixture. Vigorous, continuous agitation is required for all tank mixes of Alligare Oryzalin 4 Pro. Sparger pipe agitators generally provide the best agitation

Mixing Order: Fill the tank 3/4 full with clean water. Start agitation and add different formulation types in the order indicated below, allowing time for complete mixing and dispersion after addition of each product. Allow extra mixing and dispersion time for dry flowable products. Add different formulation types in the following order: dry flowables (DF); wettable powders (WP); Alligare Oryzalin 4 Pro and other aqueous suspensions (AS); flowables (F); liquids (L); solutions (S); and emulsifiable concentrates (EC).

Continue agitation and finish filling the spray tank with clean water. Maintain agitation until application is completed. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be completely resuspended before spraying is continued. A sparger agitator is particularly useful for this

Premixing: When tank mixing, initial mixing and dispersion of certain dry flowable or wettable powder products may be improved by premixing with water (slurrying). Adding the slurried material to the spray tank through a 20 or 35 mesh wetting screen will help assure good initial dispersion.

EQUIPMENT CLEANING

If a buildup of material occurs on the walls of the spray tank, it should be removed between fillings by washing with soap and water and rinsing thoroughly. Tanks, lines, screens, and nozzles should be cleaned thoroughly after each use.

ACTIVATION AND CULTIVATION

Alligare Oryzalin 4 Pro will remain stable on the soil surface up to 21 days following application. In the absence of timely rainfall, irrigation can be used to activate Alligare Oryzalin 4 Pro. A minimum of one-half (1/2) inch of rain or its equivalent in sprinkler irrigation is necessary to activate Alligare Oryzalin 4 Pro. If weeds begin to emerge due to lack of rainfall or irrigation, shallow cultivate 1-2 inches deep to destroy existing weeds, or remove them by hand. Shallow cultivation to a depth of 1-2 inches will enhance herbicidal effectiveness. If Alligare Oryzalin 4 Pro is not activated by rainfall, irrigation, or cultivation within 21 days of application, or existing weeds have not been removed, erratic weed control may result.

WEEDS CONTROLLED BY ALLIGARE ORYZALIN 4 PRO

Annual Grasses

Common Name Scientific Name Barley, little Hordeum pusillum Barnyardgrass (watergrass) Echinochloa crusgalli

Bluegrass, annual Poa annua Crabgrass, large Digitaria sanguinalis Crabgrass, smooth Digitaria ischaemum Crowfootgrass Dactyloctenium aegyptium Cupgrass, southwestern Eriochloa gracilis Foxtail, bristlegrass Setaria magna Foxtail, giant Setaria faberi Foxtail, green Setaria viridis

(pigeongrass) Foxtail, robust Foxtail, yellow Setaria robusta Setaria glauca Eleusine indica Goosegrass (silver crabgrass)

Sorahum halepense

Echinochloa colonum Lovegrass, Mexican Eragrostis mexicana Eragrostis orcuttiana Panicum fasciculatum Panicum, browntop Panicum dichotomiflorum

Panicum, fall (spreading panicgrass) Panicum, Texas Panicum texanum (buffalograss) (Coloradograss)

Ryegrass, Italian Cenchrus incertus Signalgrass (Brachiaria) Brachiaria spp. Sprangletop, red Leptochloa filiformis Witchgrass Panicum capillare

Broadleaf Weeds

(Mexican clover)

Johnsongrass

Junglerice

Oat, wild

(seeding only)

Lovegrass, orcutt

Scientific Name Common Name Cardamine oligosperma Bittercress Carpetweed Mollugo verticillata Chickweed, common Stellaria media Fiddleneck, coast Filaree, redstem Amsinckia intermedia Erodium cicutarium Filaree, whitestem Erodium moschatum Groundsel, common Senecio vulgaris Lamium amplexicaule Henbit Knotweed, prostrate Polygonum aviculare Lambsquarters Chenopodium album Pigweed, prostrate Pigweed, redroot Amaranthus blitoides Amaranthus retroflexus Amaranthus hybridus Pigweed, spring Pigweed, tumble Amaranthus albus Puncturevine Tribulus terrestris Purslane, common Portulaca oleracea Pulsey, Florida Richardia scabra (Florida purslane)

(pulsey) Rocket, London Sisymbrium irio Rockpurslane, desert Calandrinia ciliata Shepherdspurse Capsella bursapastoris Euphorbia humistrata Spurge, prostrate Woodsorrel, yellow Oxalis stricta

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WEEDS SUPPRESSED BY ALLIGARE ORYZALIN 4 PRO

Control of the following weeds may be erratic, ranging from poor to excellent, depending upon soil temperature, time of germination, depth of seed in the soil, and amount and timing of soil moisture:

Scientific Name **Common Name** Conyza canadensis Ladysthumb Polygonum persicaria Lettuce, prickly Lactuca serriola Mallow, common Malva neglecta

Milkweed, climbing Sarcostemma cynanchoides Morningglory Ipomoea spp.

Mustard, black Brassica nigra Mustard, wild Brassica kaber Nightshade, black Solanum nigrum Ragweed, common Ambrosia artemisifolia Smartweed Polygonum pensylvanicum Sowthistle, annual Sonchus oleraceus Spurge, spotted Euphorbia maculata Teaweed (prickly sida) Sida spinosa Velvetleaf Abutilon theophrasti Wheat, volunteer Triticum spp.

APPROVED USES

ORNAMENTAL PLANTINGS

Alligare Oryzalin 4 Pro is recommended for use on certain landscape container- and field-grown established ornamental plants including: trees, shrubs, ground covers/perennials, flowers, non-bearing fruit and nut trees, non-bearing vineyards, and in the production of ornamental bulbs (See ORNAMENTAL BULBS section for special use directions.

Broadcast Application Rates

Labeled Use Site	Length of Control	Alligare Oryzalin 4 Pro (qt/acre)	Alligare Oryzalin 4 Pro (fl oz/ 1,000 sq ft)	Minimum Time Between Applications (Months)	Total Amount Allowed Per Year (qt/acre)
Landscape	2-4 months	2	1.5	2	8
Ornamentals	3-6 months	3	2.2	4	12
	4-8 months	4	3	4	12
Field-grown and	2-4 months	2	1.5	3	8
container-grown ornamentals	3-6 months 4-8 months	3 4	2.2 3	3 3	9 12

Tank Mix Combinations

Tank mix combinations of Alligare Oryzalin 4 Pro plus Roundup/ Glyphosate, and many other labeled herbicides may be used to control undesirable vegetation in ornamental areas. Alligare Oryzalin 4 Pro may also be tank mixed with Gallery herbicide and applied preemergence to broaden the spectrum of broadleaf weed control in ornamental areas. Applied as directed, these tank mixes of Alligare Oryzalin 4 Pro will provide control of susceptible weed species listed on the respective labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

Alligare Oryzalin 4 Pro Plus Roundup/Glyphosate: Tank mix combinations of Alligare Oryzalin 4 Pro plus Roundup are recommended to control existing undesirable vegetation. Applied as directed, Alligare Oryzalin 4 Pro plus Roundup will provide postemergence control of susceptible weed species listed on the label for Roundup and residual preemergence control of susceptible weed species listed on the label for Alligare Oryzalin 4 Pro. Refer to the label for Roundup for specific use directions, precautions, and limitations before use

Precautions: DO NOT apply sprays containing Roundup over the top of ornamental plants. Extreme care must be exercised to prevent sprays containing Roundup from coming in contact with foliage and stems of turfgrasses, trees, shrubs, or other desirable vegetation since severe damage or death may result. If spraying with Roundup in areas adjacent to desirable plants, use a shield to prevent spray from contacting foliage and stems of desirable plants.

Special Use Precautions

Apply only to established plants that have been transplanted into their growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

Rooted liners should be removed from their original growing containers and placed in new containers at least two weeks prior to treatment or injury may occur.

To avoid possible injury, DO NOT apply Alligare Oryzalin 4 Pro to:

- Nursery, forest or Christmas trees, seedling beds, cutting beds, or transplant beds.
 Unrooted liners or cuttings that have been planted in pots for the first time.
- Pots less than four inches wide.
- Ground covers until they are established and well rooted.
- Ornamental plantings where there is likelihood of runoff onto lawn areas.
 Areas containing dichondra or cool season turfgrass species.

On container grown ornamentals where weed seed germination continues for extended periods of time, DO NOT make repeat applications of Alligare Oryzalin 4 Pro for at least 90 days or crop injury may occur.

Application of Alligare Oryzalin 4 Pro over the top of plants with newly forming buds may cause injury. In this situation, a directed spray is recommended.

For soils treated with Alligare Oryzalin 4 Pro during the previous season, plant only the ornamental species listed on this label or injury may occur.

ICE PLANT

When establishing unrooted ice plant on coarse-textured soils in landscaping plantings. DO NOT exceed the 2 guart per acre rate of Alligare Oryzalin 4 Pro or crop injury may occur.

Note: Injury on the following plant species has been observed following applications of Alligare Oryzalin 4 Pro and use is not recommended.

Deutzia gracilis (slender deutzia) Pseudotsuga menziesii (Douglas-fir)
Thuja occidentalis 'Techny' (Techny arborvitae) Tsuga canadensis (eastern hemlock) Begonia spp. (begonia) Coleus hybridus (coleus)

Alligare Oryzalin 4 Pro may be used on the following established plant species. (Note limitations on recommended treatment methods.)

TREES

TREES		
		Recommended Treatment Method F = Field Grown C = Container
Scientific Name	Common Name	Grown
Abies balsamea	Fir, balsam	F
Abies concolor	Fir, white	F
		F
Abies fraseri	Fir, fraser	F
Abies grandis	Fir, grand	F F
Abies veitchi	Fir, Vietch	
Abies lasiocarpa	Fir, alpine	F
Abutilon hybridum	Albus-flowering Maple	F
	Luteus-flowering maple	F
	Roseus-flowering maple	F
	Tangerine-flowering maple	F
	Vesuvius red-flowering maple	F
Acer gimmala	Flame maple	<u>F</u>
Acer rubrum	Red sunset maple	F
Acer saccharinum	Silver maple	F
4	Marila	E
Acer spp.	Maple	•
Alsophila australis	Australian tree fern	C, F
Areacastrum		_
romanzoffianum	Queen palm	F
Betula nigra	Birch, river	F
Betula papyrifera	Paper birch	F
Betula pendula	Birch, white	F
Bucida buceras	Black olive	F
Carya spp.	Pecan, ornamental	C,F
Cedrus atlantica	Atlas cedar	C,F
Cedrus deodara	Deodar cedar	C,F
Ceratonia siliqua	Carob	F
Cercidium floridum	Palo Verde, blue	F
Cercis Canadensis	Redbud	C,F
Chamaecyparis		
lawsoniana	Falsecypress, Lawson	F
Chamaecyparis		
obtusa	Filicoides-fernspray cypress	F
	Gracilis-slender Hinoki cypress	F
Chamaecyparis	••	
pisifera	Sawara-false cypress	F
•	Squarrosa-moss cypress	F
Chamaedorea	. ,,	
cataractarum	Cat Palm	F
Chamaedorea		
costaricana	Palm	F
Chamaedorea		
elegans	parlor palm	F
Citrus spp.	Citrus, ornamental	C.F
Comus florida	Dogwood, flowering	F
Cryptomeria	g ,	
japonica	Cryptomeria, Japanese	C,F
Cupaniopsis	от, растола, оправось	-,-
anacardioides	Carrot Wood	F
Cupressus		
arizonica (glabra)	Cypress, Arizona	C,F
Cupressus glabra	Arizona cypress	C,F
Cupressocyparis	7 th Zoria Oyprood	0,1
leylandii	Leyland cypress	C,F
	Leyland Cypress	0,1
Cupressus	Cypress, Italian	C,F
sempervirens		
	Tasmanian tree fern	C,F
Elaeagnus angustifolia	Russian olive	C,F
Eucalyptus	acc.an onvo	·,·
camaldulensis	Red gum eucalyptus	F
Eucalyptus cinerea		F
Lucarypius ciriered		F
Eugalyptus piobalii	Silver dollar eucalyptus	F
Eucalyptus nicholii	Eucalyptus, narrow-leaved	ı
Eucalyptus	Eucalyptus, red ironbark	F
sideroxylon		F
Ficus benjamina	Ficus Ash	F F
Fraxinus spp.	Aoii	1

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TREES (cont.)			Parharia thunharaii	Auroa goldon	
TREES (cont.)		Recommended Treatment Method	Berberis thunbergii	Japanese barberry	C,F
		F = Field Grown		Crimson pygmy barberry	C,F
		C = Container		Atropurea-redleaf	
Scientific Name	Common Name	Grown		Japanese barberry	C,F
Ginkgo biloba	Ginkgo (Maidenhair tree)	C,F	Bougainvillea spp.	Barberry, Japanese Barbara Karst	C,F F
Gleditsia triacanthos	Honey locust	F	Zougummou opp.	California gold	F
Heteromeles	T	-		Scarlet O'Hara	F
arbutiflora Juniperus virginiana	Toyon Redcedar Fastern	F F	Division miaranhidla	Texas Dawn	F F
Koelreuteria	riodocadi, Edolom	•	Buxus microphylla Buxus microphylla	Littleleaf boxwood	г
paniculata	Goldenrain tree	F	japonica	Boxwood, Japanese	C,F
Liquidambar	Owner the same of the same	0.5	Buxus sempervirens		C,F
styraciflua Magnolia spp.	Sweetgum, American Magnolia	C,F F	Callisternon citrinus		C,F F
Malus spp.	Crabapple	F	Cassia artemisioides Ceanothus	Cassia, leathery	Г
Morus alba	White mulberry	F	americanus	Jerseytea, redroot	C,F
Picea abies	Pendula-weeping Norway Spruce	F	Ceanothus spp.	Wild lilac	C,F
	Repens-spreading	ı	Chaenomeles japonica	Flowering quince	C,F
	Norway Spruce	F	Chamaecyparis	Tiowering quince	0,1
Disease	Spruce, Norway	F F	obtusa	Kosteri cypress	F
Picea englemanni Picea glauca	Spruce, Englemann Spruce, white	F		Nana-dwarf Hinoki cypress	F F
Conica-dwarf	Alberta spruce	F	Chamaecyparis	Torulosa cypress	Г
	Dwarf Alberta spruce	F	pisifera	Squarrosa Minima cypress	F
Picea mariana Picea pungens	Spruce, black	F F	Chamaecyparis		_
ricea purigeris	Glauca-Colorado blue spruce Hoopsii-Hoop's blue spruce	F	pisifera spp. Chrysalidocarpus	Filifera-thread cypress	F
	Koster-Koster blue spruce	F	lutescens	Areca palm	F
Diama a 1.1.1	Spruce, Colorado	C,F	Cleyera japonica	Cleyera, Japanese	C,F
Pinus aristata Pinus canariensis	Bristlecone pine Canary Island pine	F F	Coleonema		
Pinus contorta	Shore pine, beach pine	F	pulchrum Comus alba	Pink breath of heaven Sibirica-Siberian dogwood	C,F F
Pinus eldarica	Eldarica pine	F	Comus kousa	Dogwood, kousa	C,F
Pinus halepensis	Aleppo pine	C,F	Comus stolonifera	Flaviramea-yellowtwig dogwood	F
Pinus radiata Pinus spp.	Monterey pine Pine	F C,F	Cotoneaster	D	_
Pinus strobus	Eastern white pine	F	adpressus Cotoneaster	Praecox-early cotoneaster	F
Pinus sylvestris	Scotch pine	F_	apiculatus	Cotoneaster, cranberry	C,F
	Japanese black pine American sycamore	F F	Cotoneaster		_
Platanus racemosa		F	buxifolius Cotoneaster	Cotoneaster, brightbead	F
Podocarpus spp.	Podocarpus	F	congestus	Cotoneaster, Pyrenees	F
Populus deltoides	Cottonwood	F	Cotoneaster	, ,	
Prunus carolianiana	Cottonwood (grown for pulp) Laurelcherry, Carolina	F F	dammeri	Cotoneaster, bearberry	C,F
Prunus glandulosa		C,F	Cotoneaster himalayan	Himalayan cotoneaster	F
	Laurelcherry, English	<u>F</u>	Cotoneaster		
Prunus mahaleb Prunus yedoensis	Cherry, Mahaleb Yoshino flowering cherry	F F	horizontalis	Cotoneaster, rock	C,F
Pyrus communis	Pear	F	Cotoneaster lacteus Cotoneaster	Cotoneaster, parney	C,F
Quercus palustris	Pin oak	F	microphyllus	Cotoneaster, rockspray	F
Quercus phellos	Willow oak	F	Cotoneaster		
Quercus rubra Quercus spp.	Red oak Oak	C,F C,F	salicifolia	Willowleaf cotoneaster	C,F F
Salix babylonica	Babylon weeping willow	F	Cytisus praecox Cytisus scoparius	Hollandia-warminster broom Lena-Scotch broom	F
	Corkscrew willow	F		Sotol, desert spoon	F
Schinus molle Sequoia	California pepper tree	F	Deutzia crenata	Nakiana-dwarf deutzia	F
sempervirens	Redwood, coast	F	Dodonaea viscosa	Hopseedbush, clammy Hopseed bush	F F
Sequoiadendron			Escallonia	Hopseed bush	'
giganteum	Giant sequoia	F F	exoniensis	Escallonia	C,F
Swietenia mahogani Tabebuia caraiba	Yellow Tab	F E	Euonymus alata	Euonymus, winged	F C,F
Tilia cordata	Linden, little leaf	C,F	Euonymus fortunei	Canadale gold euonymus Emerald'n gold euonymus	C,F
Ulmus parvifolia	Chinese elm	F		Euonymus, stringybark	C,F
Umbellularia californica	California laurel	F		Wintercreeper	C,F
Washingtonia	California laurei	ı	Euonymus japonica	Euonymus, evergreen Silver king euonymus	C,F F
robusta	Mexican fan palm	F	Euonymus	Onver king edonymae	•
CUDURC			kiatschovica	Spreading euonymus	F
SHRUBS		Recommended Treatment Method	Euonymus vegetus Fatshedera lizei	Bigleaf wintercreeper Fatshedera	C,F C,F
		F = Field Grown	Fatsia japonica	Japanese aralia	C,F
		C = Container	Felicia amelloides	Blue marguerite	C,F
	Common Name Glossy abelia	<u>Grown</u> F	Forsythia intermedia	Forsythia, border	F
Acacia redolens	Acacia, prostrate	F	Gardenia jasminoides	Gardenia	C,F
Agave Americana	Century plant	F	Genista pilosa	Woadwaxen	F
Agave macroculmis	Agave	F	Hibiscus	B	_
Anisodontea hypomandarum	Cape mallow	C,F	rosasinesis	Ross Estey-hibiscus Hibiscus, Chinese	F F
Arctostaphylos	•		Hibiscus syriacus	Rose of Sharon, Red Bird	F
stanfordiana	Manzanita, Stanford	F	,	Rose of Sharon, Red Heart	F
Astilbe chinensis Baccharis pilularis	Astilbe/false spirea Coyotebush	C,F F		Rose of Sharon, Woodbridge	F
and photonic	,		Ilex aquifolium	Rose of Sharon (Shrubalthea) Balkans holly	F F
			,	Gold coast holly	F
			Harris and the	Holly, English	F
			Ilex aquipemyi	San Jose holly	C,F

Specimen Label

SHRUBS (cont.)			Pieris japonica	Lily-of-the-valley	F
		Recommended Treatment Method F = Field Grown		Snowdrift lily-of-the-valley Temple bells lily-of-the-valley	F F
Scientific Name	Common Name	C = Container Grown		Valley rose lily-of-the-valley Andromeda	F C,F
llex cornuta	Dwarf Burford holly	C,F	Pittosporum spp. Pittosporum tobira	Pittosporum Green pittosporum	C,F F
llex crenata	Holly, Chinese Compacta-dwarf Japanese holly	C,F		Japanese pittosporum Tibira	F F
ilex Cieriala	Convexa holly	C,F		Wheeler's dwarf pittosporum	F
	Helleri-Heller's Japanese holly	C,F	Platycladus		
llov alobro	Holly, Japanese Nordica-inkberry holly	C,F F	orientalis	Arborvitae, Oriental Blue cape plumbago	C,F F
llex glabra Ilex meserveae	Blue boy holly	F	Podocarpus	Blue cape plumbago	'
	Blue girl holly	F_	macrophyllus	Yewpine	C,F
llex vomitoria	Ebony magic holly Nana-dwarf yaupon holly	F C.F	Potentilla fragiformis Potentilla fruticosa	Cinquefoil Cinquefoil	F C,F
nex vormona	Pendula-weeping yaupon holly	-,	Protea neriifolia	Protea	F.
	Yaupon holly	C,F	Pyracantha coccinea	Firethorn, scarlet	C,F
Juniperus chinensis Juniperus conferta	Media-old gold juniper Emerald sea shore juniper	C,F F	Pyracantha fortuneana	Lolendei Monrovia pyracantha	C,F
Juniperus	Emeraid sea shore jumper		Pyracantha	Loiender Worlfovia pyracanina	0,1
horizontalis	Huntington blue juniper	C,F	fortuneana	Monon pyracantha	C,F
Juniperus	Wiltonii-blue carpet juniper	C,F		Red elf hybrid pyracantha Rutgers hybrid pyracantha	C,F C,F
procumbens	Nana-dwarf Japanese			Santa Cruz pyracantha	C,F
•	garden juniper	C,F		Victory pyracantha	C,F
Juniperus prostrata	Prostrata juniper Broadmoor juniper	C,F F	Pyracantha skoidzumi	Eirotharn farmana	CE
Juniperus sabina	Foemina-Hicks juniper	F	Pyracantha	Firethorn, formosa	C,F
	Tamariscifolia-Tam juniper	F	fortuneana	Firethorn	C,F
Juniperus	Emandel areas insinar	F	Rhaphiolepis indica	Enchantress-Moness	_
scopulorum Juniperus spp.	Emerald green juniper Juniper	C,F		rhaphiolepis Rhaphiolepsis (India hawthorn)	F C F
Juniperus squamata	Blue juniper	F		Springtime-Monme rhaphiolepis	F
	Blue star juniper	F		Roundleaf rhaphiolepis	F
Justicia	Parsonii juniper	F	Rhipsalidopsis gaertneri	Eastercactus	C,F
brandegeana	Shrimp plant	C,F	Rhododendron		٥,.
Jusiticia spicigera	Honeysuckle, Mexican	F	calendulaceum	Flame azalea	F
Kalmia latifolia Lagerstroemia	Laurel, mountain	F	Rhododendron campylocarpum	Butterfly rhododendron	F
indica	Crape myrtle	C,F	Rhododendron	Dationly mododonaron	•
Lavandula	Franklick terroriden	0.5	carolinianum	PJM rhododendron	F
angustifolia Leucothoe axillaris	English lavander Leucothoe, coast	C,F F	x daurium Rhododendron		
Leucothoe	200001100, 00001		catawbiense	Catawba album rhododendron	C,F
fontanesiana	Leucothoe, drooping	F		Catawba rhododendron	C,F
Ligustrum amurense Ligustrum japonicum		C,F C,F		Lord Roberts rhododendron Rocket rhododendron	C,F C,F
Ligaotram japonioam	Yellow tip ligustrum	C,F	Rhododendron	Tiooket mododendren	0,1
Ligustrum lucidum	Privet, glossy	C,F	forrestii x		_
Ligustrum ovalifolium	California privet	F	griersonianum Rhododendron	Elizabeth rhododendron	F
Ligustrum texanum		F	hybrid spp.	America rhododendron	F
	Wax leaf privet	F		English Roseum	_
Ligustrum vicaryi	Privet, golden Vicary golden privet	C,F C,F		rhododendron Nova Zembla rhododendron	F F
Livistona chinensis	Chinese fountain palm	F		Scintillation rhododendron	F
Lonicera		-	Rhododendron	D	_
fragrantissima	Winter honeysuckle	F	impeditum Rhododendron	Rhododendron	F
Lonicera			indica	Formosa azalea	C,F
periclymenum	Flowering woodbine Serotina woodbine	F F	Dhadadaadaa	Waucabusa azalea	C,F
Lonicera	Serolina woodbine	r	Rhododendron kerume	Coral bells azalea	C,F
sempervirens	Trumpet honeysuckle	F		Hino crimson azalea	C,F
	(No common name)	C,F F		Hino pink azalea	C,F
Mahonia aquifolium Myoporum	Oregon grape	r	Rhododendron	Snow azalea	C,F
parvifolium	Myoporum, prostrate	F	maximum	Rhodie max (rosebay)	C,F
Myrtus communis Nandina domestica	Myrtle, true Compacta-dwarf	C,F	Rhododendron	Dhadadandran	F
Nandina domestica	heavenly bamboo	C,F	mucronulatum Rhododendron	Rhododendron	г
	Harbour dwarf-		satuski	Gumpo pink azalea	F
	heavenly bamboo	C,F	Dhadadandran ann	Higasa azalea	F C,F
	Heavenly bamboo (Nandina) Nana compacta-	C,F	Rhododendron spp.	Rhododendron	C,F
	heavenly bamboo	C,F	Rhododendron		
	Nana purpurea- heavenly bamboo	C,F	spp. hybrids	Carror azalea Girard Roberta azalea	C,F F
	Woods dwarf-heavenly bamboo			Golden flare exbury azalea	F
Nerium oleander	Hardy red oleander	C,F	Rhus lancea	Sumac, African	C,F
	Oleander	C,F	Rosa rugosa	Ramanas rose	F
Osmanthus	Ruby lace oleander	C,F	Rosmarinus officinalis	Rosemary	F
heterophyllus	Osmanthus, holly-leaf	F	Senecio cineraria	Dusty miller	C,F
Pachysandra terminalia	lononoso onumas	CE	Spiraea vanhouttei	Bridal wreath	F
terminalis Philadelphus spp.	Japanese spurge Mockorange	C,F C,F	Syringa vulgaris Syzygium paniculata	Lilac, common Brush cherry	C,F C,F
Phoenix roeloelenii	Pigmy date palm	F	Taxus cuspidate	Yew, Japanese	F
Photinia fraseri	Fraser's photinia Photinia	C,F	Taxus media	Yew	F
	FIIOUIIId	C,F			

Specimen Label

SHRUBS (cont.)			Heliotropium		
STINODS (COIIC.)		Recommended Treatment Method	fragrans	Common heliotrope	C,F
		F = Field Grown	Hemerocallis spp.	Daylily	C,F
Scientific Name	Common Name	C = Container Grown	Hosta lancifolia Hosta spp.	Albo-marginata hosta Lily, plantain	C,F C,F
Scientific Name	Common Name	GIOWII	Heuchera micrantha		C,F
Thuja occidentalis	Arborvitae, American	C,F	Hypericum spp.	St. Johnswort	C,F
	Emerald aborvitae	F		Evergreen candytuft	C,F
	Globosa-globe arborvitae	F F	Lampranthus	Trailing insulant	_
	Little giant—dwarf arborvitae Nigra-dark American arborvitae		spectabilis Leptospernum	Trailing iceplant	F
	Pyramidalis arborvitae	F	scaparium	New Zealand teatree/Manuka	C.F
	Rheingold arborvitae	F	Limonium perezii	Statice/Sea lavender	C,F
	Woodwardii arborvitae	F	Liriope gigantean	White lily turf	F
Thuja orientalis	Aureus nana-dwarf golden arborvitae	F	Liriope muscari	Lilac beauty lily turf	C,F C,F
	Minima glauca-dwarf arborvitae			Majestic lily turf Monroe white lily turf	C,F
Thuja plicata	Red Cedar, Western	F		Silvery sunproof lily turf	C,F
Trachelospermum				Variegated liriope lily turf	C,F
jasminoides	Star jasmine, Chinese	F F	Labalia aviava	Big blue lily turf	C,F
Veitchia merrilli Viburnum carlesii	Christmas palm Koreanspice viburnum	C,F	Lobelia erinus Lonicera japonica	Edging lobelia Honeysuckle, Japanese	C,F F
Viburnum davidii	David viburnum	F	Mesembryanthemun		
Viburnum japonicum	Viburnum	F	crystallinum	Ice plant (see label)	F
Viburnum juddi	V. C.	0.5	Ophiopogon		_
(V x judii) Viburnum opulus	Viburnum	C,F	japonicus Osteospermum	Mondo grass	F
sterile	Common snowball viburnum	F	fruitocusum	Daisy, trailing African	F
Viburnum plicatum	Common one Dan Vibaniani	•	Pachysandra	zaioj, training / tricair	
tomentosum	Doublefile viburnum	F	terminalis	Japanese spurge	F
Viburnum setigerum	Tea viburnum	F	Pennisetum		0.5
Viburnum	Viburnum Sandankwa	F	setaceum Polystichum	Fountaingrass	C,F
suspensum Viburnum tinus	Viburnum Laurustinus	C,F	polyblepharum	Tassel fern	C,F
	Compactum-spring	-,-	Sedum brevifolium	Stonecrop	C,F
	bouquet viburnum	F	Sedum		
Viburnum tinus	On the self-recovery distributions	-	kamtschaticum	Stonecrop	C,F
compactum Viburnum trilobum	Spring bouquet viburnum	F	Sedum spurium Tulbaghia vioilacea	Stonecrop, two row Society garlic	C,F C,F
Compactum	Dwarf cranberry bush	F	Verbena rigida	Veined verbena	C,F
Viburbum x	•		Veronica spp.	Speedwell	C,F
pragense	Viburnum	F	Vinca major	Periwinkle, bigleaf	F
Weigela florida	Bristol ruby weigela Java red weigela	F F	Vinca minor	Periwinkle, dwarf	F
	Minuet weigela	F	FLOWERS		
	Weigela, oldfashioned	F			Recommended Treatment Method
Xylosma congestun	Xvlosma	F			F = Field Grown
,					
Yucca elata	Yucca soaptree	C,F	Onlandii Nama	O N	C = Container
			Scientific Name	Common Name Yarrow	C = Container Grown
Yucca elata	Yucca soaptree Yucca pendulous	C,F	Scientific Name Achillea spp. Antirrhinum majus	Common Name Yarrow Snapdragon	C = Container
Yucca elata Yucca recurvifolia	Yucca soaptree Yucca pendulous	C,F F	Achillea spp. Antirrhinum majus Caladium bicolor	Yarrow	C = Container <u>Grown</u> C,F
Yucca elata Yucca recurvifolia	Yucca soaptree Yucca pendulous	C,F F Recommended Treatment Method F = Field Grown	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum	Yarrow Snapdragon Caladium, fancy leafed	C = Container Grown C,F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/	Yucca soaptree Yucca pendulous PERENNIALS	C,F F Recommended Treatment Method F = Field Grown C = Container	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp.	Yarrow Snapdragon	C = Container Grown C,F F
Yucca elata Yucca recurvifolia GROUNDCOVERSA Scientific Name	Yucca soaptree Yucca pendulous	C,F F Recommended Treatment Method F = Field Grown	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum	Yarrow Snapdragon Caladium, fancy leafed	C = Container Grown C,F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis	C = Container Grown C,F F C,F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp.	Yucca soaptree Yucca pendulous PERENNIALS Common Name	C,F F Recommended Treatment Method F = Field Grown C = Container Grown	Achillea spp. Antirhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis	C = Container Grown C,F F F C,F F C,F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis	C = Container Grown C,F F C,F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William	C = Container Grown C,F F F C,F F C,F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink	C = Container Grown C,F F F C,F F C,F F C,F,F F C,F,F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name)	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis Ianceolata Coreopsis verticulata Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp.	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape	C = Container Grown C,F F F C,F F C,F F C,F F C,F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis Ianceolata Coreopsis verticulata Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape	C = Container Grown C,F F F C,F F C,F F C,F,F F C,F,F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name)	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis Ianceolata Coreopsis verticulata Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp.	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape	C = Container Grown C,F F F C,F C,F C,F F C,F,F C,F C,F C,F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novabelgii Athyrium	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus pratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum	C = Container Grown C,F F F C,F F C,F F C,F F C,F F C,F C,F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novi-belgii Athyrium nipponimcum	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum	C = Container Grown C,F F F C,F F C,F F C,F F C,F F C,F F C,F C,
Yucca elata Yucca recurvifolia GROUNDCOVERSA Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Gaum quellyon Gladiolus hortulanus Gypsophila	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus	C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novae-angliae Aster rovie-belgii Athyrium nipponimcum Brassica oleracea Callistepheus	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus pratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath	C = Container Grown C,F F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERSA Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus pratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus	C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERSi Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus pratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie)	C = Container Grown C,F F F C,F C,F C,F C,F C,F F C,F F C,F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliaca Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label)	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star	C = Container Grown C,F F F C,F F C,F F C,F C,F C,F C,F F C,F C,
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis lanceolata Dianthus Dianthus barbatus Dianthus Dianthus Dientra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium	C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F F C,F C,
Yucca elata Yucca recurvifolia GROUNDCOVERSi Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star	C = Container Grown C,F F F C,F F C,F F C,F C,F C,F C,F F C,F C,
Yucca elata Yucca recurvifolia GROUNDCOVERSi Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus prectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp.	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium	C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F F C,F C,
Yucca elata Yucca recurvifolia GROUNDCOVERSi Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus gratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Gaum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandiilora Ranunculus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose	C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F C,F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta Digitalis mertonensis	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis Ianceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus broctabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandliflora Ranunculus asiaticus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian	C = Container Grown C,F F F C,F F C,F F C,F C,F C,F C,F C,F
Yucca elata Yucca recurvifolia GROUNDCOVERSi Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus pratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandiiflora Ranunculus asiaticus Rosa spp.	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian Rose	C = Container Grown C,F F F C,F F C,F C,F F C,F C,F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta Digitalis mertonensis Doronicum cordatum	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis Ianceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus broctabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandliflora Ranunculus asiaticus	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian Rose Blackeyed susan Daisy, gloriosa	C = Container Grown C,F F F C,F F C,F F C,F F C,F F C,F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolie Delosperma alba Dietes vegeta Digitalis mertonensis Doronicum cordatum Drosanthemum floribundum Erianthus ravennae	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove Leopard's bane	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus pratianopolitanus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandliflora Ranunculus asiaticus Rosa spp. Rudbeckia fulgida Rudbeckia hirta	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian Rose Blackeyed susan Daisy, gloriosa (black-eyed Susan)	C = Container Grown C,F F F C,F F C,F C,F F C,F C,F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus retrofractus Asparagus varieegata Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta Digitalis mertonensis Doronicum cordatum Drosanthemum floribundum Erianthus ravennae Festuca ovina	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower Ice plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove Leopard's bane Trailing rosea iceplant Hardy pampus grass	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis lanceolata Verticulata Dianthus Dianthus Dianthus Dianthus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandilifora Ranunculus asiaticus Rosa spp. Rudbeckia fulgida Rudbeckia fulgida Rudseckia spp.	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian Rose Blackeyed susan Daisy, gloriosa (black-eyed Susan) Salvia (Sage)	C = Container Grown C,F F F C,F F C,F C,F C,F F C,F F C,F F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERSi GROUNDCOVERSi Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus varieegata Aster novae-angliae Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta Digitalis mertonensis Doronicum cordatun Drosanthemum floribundum Erianthus ravennae Festuca ovina glauca	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower loe plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove Leopard's bane Trailing rosea iceplant Hardy pampus grass Blue fescue	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis lanceolata Coreopsis verticulata Dianthus barbatus Dianthus barbatus Dianthus prectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandliflora Ranunculus asiaticus Rosa spp. Rudbeckia fulgida Rudbeckia fulgida Rudbeckia laevis	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian Rose Blackeyed susan Daisy, gloriosa (black-eyed Susan) Salvia (Sage) Aster, stokes	C = Container Grown C,F F F C,F F C,F F C,F C,F F C,F F C,F F F C,F F F F
Yucca elata Yucca recurvifolia GROUNDCOVERS/ GROUNDCOVERS/ Scientific Name Agapanthus africanus Ajuga spp. Arctotheca calendula Asparagus retrofractus Asparagus retrofractus Asparagus varieegata Aster novi-belgii Athyrium nipponimcum Brassica oleracea Callistepheus chinensis Campanula elatines Carpobrotus edulis Clytostoma callistegiodes Cortaderia selloana Cuphea hyssopifolia Delosperma alba Dietes vegeta Digitalis mertonensis Doronicum cordatum Drosanthemum floribundum Erianthus ravennae Festuca ovina	Yucca soaptree Yucca pendulous PERENNIALS Common Name Lily-of-the-Nile Carpet bugle Cape weed (No common name) Tree fern New England aster New York aster Japanese painter fern Wild cabbage China Aster Bellflower loe plant, largeleaf (see label) Trumpet vine, violet Pampas grass False Mexican heather White iceplant Fortnight lily Foxglove Leopard's bane Trailing rosea iceplant Hardy pampus grass Blue fescue	C,F F Recommended Treatment Method F = Field Grown C = Container Grown C,F F C,F C,F C,F C,F C,F C,F C,F C,F	Achillea spp. Antirrhinum majus Caladium bicolor Chrysanthemum spp. Coreopsis lanceolata Coreopsis lanceolata Verticulata Dianthus Dianthus Dianthus Dianthus Dicentra spectabilis Dimorphotheca spp. Echinacea purpurea Evolvulus nuttallianus Geum quellyon Gladiolus hortulanus Gypsophila paniculata Impatiens wallerana Iris spp. Liatris spicata Pelargonium hortorum Petunia spp. Portulaca grandilifora Ranunculus asiaticus Rosa spp. Rudbeckia fulgida Rudbeckia fulgida Rudseckia spp.	Yarrow Snapdragon Caladium, fancy leafed Chrysanthemum Coreopsis Threadleaf coreopsis Sweet William Cheddar pink Bleeding heart Marigold, cape Coneflower, purple Blue daze Geum Gladiolus Baby's breath Impatiens (Busy lizzie) Iris, bearded Blazing star Geranium Petunia Moss, rose Ranunculus, Persian Rose Blackeyed susan Daisy, gloriosa (black-eyed Susan) Salvia (Sage)	C = Container Grown C,F F F C,F F C,F C,F C,F F C,F F C,F F F C,F F F F
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Specimen Label

NON-REARING* TREES AND VINES

NUN-BEARING" TREES AND VINES	
	Recommended Treatment Method
	F = Field Grown
	C = Container
Common Name	Grown
Almond	F
Apple	F
Apricot	F
Avocado	F
Blackberry	F
Blueberry	F
Boysenberry	F
Cherry, sour	F
Cherry, sweet	F
Currant	F
Dewberry	F
Elderberry	F
Fig	F
Filbert	F
Gooseberry	F
Grape, American	F
Grape, European	F
Grapefruit	F
Kiwi	F
Kumquat	C,F
Lemon	F
Loganberry	F
Macadamia nut	F
Nectarine	F
Olive	F
Orange	C,F
Peach	F
Pear	F
Pecan	C,F
Pistachio	F
Plum	F
Pomegranate	F
Prune	F
Raspberry	F
Walnut, black	F

*Non-bearing plants are defined as those that will not bear fruit for at least one year after treatment.

F

ORNAMENTAL BULBS

Walnut, English

Alligare Oryzalin 4 Pro may be applied for control of susceptible annual weeds in ornamental bulbs, e.g. bulbous iris, daffodil (narcissus), hyacinth, and tulip. Apply Alligare Oryzalin 4 Pro to the soil surface 2-4 weeks after planting, but prior to the emergence of annual weeds. For fall planted bulbs, apply Alligare Oryzalin 4 Pro again in late winter or early spring to weedfree soil surfaces

Broadcast Application Rates

Time of Application	Soil Texture	Alligare Oryzalin 4 Pro (qt/acre)	Alligare Oryzalin 4 Pro (fl oz/ 1,000 sq ft)	Minimum Time Between Applications (Months)	Total Amount Allowed Per Year (qt/acre)
Fall	Coarse	0.75	0.5	3	1.5
Fall	Medium and Fine	1.5	1.0	3	2.25
Feb-March	All Soil Textures	0.75	0.5	3	2.25

Special Use Precautions

DO NOT apply to tulip plants that have emerged to a height greater than 3/4 inch. DO NOT apply to gladioli corms prior to emergence or less than one (1) inch in diameter.

SHADEHOUSE AREAS

Alligare Oryzalin 4 Pro may be applied to drainage areas under benches in open shadehouse-type structures where the natural flow of air is unimpeded. **DO NOT** apply in enclosed greenhouses or in enclosed shadehouse type structures. DO NOT apply within 3 weeks prior to enclosure of greenhouse or poly-type structures.

CHRISTMAS TREE PLANTATIONS

Alligare Oryzalin 4 Pro-Alone

Apply Alligare Oryzalin 4 Pro as a directed spray to the soil surface or as an overtop spray to established plantings of field grown Christmas tree species, including fir (Abies spp.), Pine (*Pinus* spp.), and spruce (*Picea* spp.). Follow all instructions provided in the **GENERAL INFORMATION** section of this label.

Broadcast Application Rates

Length of control	Alligare Oryzalin 4 Pro (qt/acre)	Alligare Oryzalin 4 Pro (fl oz/ 1,000 sq ft)	Minimum Time Between Applications (Months)	Total Amount Allowed Per Year (qt/acre)
2-4 months 4-8 months	2 4	1.5 3	2	8

Tank Mix Combinations

Tank mix combinations of Alligare Oryzalin 4 Pro plus other labeled herbicides may be used as directed sprays or overtop sprays in established Christmas tree plantings. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

Alligare Oryzalin 4 Pro Plus Roundup/Glyphosate: Apply tank mix combinations of Alligare Oryzalin 4 Pro plus Roundup only as directed sprays in Christmas tree plantings. When applied according to use directions, Alligare Oryzalin 4 Pro plus Roundup will provide postemergence control of susceptible weed species listed on the label for Roundup and residual preemergence control of susceptible weed species listed on the label for Alligare Oryzalin 4 Pro. Refer to the label for Roundup for specific use directions, precautions, and limitations before use

Special Use Precautions

DO NOT apply to Douglas-fir (Pseudotsuga menziesii). DO NOT apply to seedbeds or seedling transplant beds. Apply only to established plants that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation.

NON-CROPLAND AREAS AND INDUSTRIAL SITES

Non-cropland Areas—Tank Mix Combinations

Tank mix combinations of Alligare Oryzalin 4 Pro plus Roundup/Glyphosate and many other labeled herbicides may be used to control undesirable vegetation in non-cropland areas such as roadsides, rights-of-way, etc. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

Broadcast Application Rates

Length of control	Alligare Oryzalin 4 Pro (qt/acre)	Alligare Oryzalin 4 Pro (fl oz/ 1,000 sq ft)	Minimum Time Between Applications (Months)	Total Amount Allowed Per Year (qt/acre)
2-4 months	2	1.5	2	6
4-8 months	4	3	4	12
8-12 months	6	4.5	8	12

Industrial Sites—Tank Mix Combinations

Tank mix combinations of Alligare Oryzalin 4 Pro plus Roundup, Spike® herbicide, and many other labeled herbicides may be used as overtop sprays to control existing vegetation on industrial sites such as utility substations, highway guard rails, sign posts, and delineators. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use.

Warm Season Turfgrasses
Alligare Oryzalin 4 Pro may be applied as a preemergence treatment for control of annual grasses and certain broadleaf weeds in established warm season turf including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, zoysiagrass, and established tall fescue growing in warm season areas. Established turf is defined as a dense turf having a well-anchored root system and healthy vigorous top growth. Use Alligare Oryzalin 4 Pro only as a part of a total turf management program that includes good fertilization practices

Alligare Oryzalin 4 Pro may be tank mixed with Gallery herbicide and applied preemergence to broaden the spectrum of broadleaf weed control in warm season turf. Refer to the label for Gallery for specific use directions, precautions, and limitations before use.

Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of Alligare Oryzalin 4 Pro.

Alligare Oryzalin 4 Pro will not control emerged weeds. Successful preemergence control of weeds listed on this label requires that Alligare Oryzalin 4 Pro be applied prior to weed germination and be activated by at least one-half (1/2) inch of rainfall or irrigation within 21 days of application.

Alligare Oryzalin 4 Pro may injure turf that is not well-established or is stressed or weakened due to unfavorable winter climatic conditions, drought, nematodes, or other factors which damage or weaken turf root systems. Apply Alligare Oryzalin 4 Pro only to healthy, well-established turf that has a well-anchored root system.

DO NOT apply Alligare Oryzalin 4 Pro in the spring or early summer to tall fescue turfgrass reseeded the previous fall. In such cases, apply Balan™ 2.5G granular herbicide at 60-80 pounds per acre in early summer (Round 1) and Alligare Oryzalin 4 Pro at 1.5 quarts per acre approximately eight weeks later (Round 2). **DO NOT** apply Alligare Oryzalin 4 Pro at the single application rate (2 quarts per acre) to established tall fescue; in such cases, apply 1.5 quarts per acre of Alligare Oryzalin 4 Pro in an initial application, followed by a second application of 1.5 quarts per acre 8-10 weeks later.

In Bermudagrass areas that have been overseeded with winter grasses, a spring application of Alligare Oryzalin 4 Pro will thin the overseeded grass

Annual Grasses Controlled by Alligare Oryzalin 4 Pro **Summer Annuals:**

Common Name Barnyardgrass (watergrass) Crabgrass, large Crabgrass, smooth Crabgrass Crowfootgrass

Scientific Name Echinochloa crusgalli Digitaria sanguinalis Digitaria ischaemum Digitaria spp. Dactyloctenium aegyptium

Specimen Label

Foxtail, bristlegrass Setaria magna Foxtail, giant Foxtail, green (pigeongrass) Setaria faberi Setaria viridis Foxtail, robust Setaria robusta Foxtail, yellow Setaria glauca Eleusine indica Goosegrass (silver crabgrass) Johnsongrass (seedling only) Sorghum halepense Ryegrass, Italian Lolium multiflorum Sandbur, field Cenchrus incertus

Winter Annuals:

 Common Name
 Scientific Name

 Bluegrass, annual
 Poa annua

Annual Broadleaf Weeds Controlled by Alligare Oryzalin 4 Pro

Summer Annuals:

 Common Name
 Scientific Name

 Carpetweed
 Mollugo verticillata

 Knotweed, prostrate
 Polygonum aviculare

 Purslane, common
 Portulaca oleracea

Winter Annuals:

 Common Name
 Scientific Name

 Chickweed, common
 Stellaria media

 Henbit
 Lamium amplexicaule

Broadleaf Weeds Suppressed by Alligare Oryzalin 4 Pro

 Common Name
 Scientific Name

 Groundsel, common
 Senecio vulgaris

 Spurge, prostrate
 Euphorbia humistrata

 Woodsorrel, yellow
 Oxalis stricta

Application Rates, Frequency, and Timing of Application

Alligare Oryzalin 4 Pro can be applied in the spring for summer annual grass and broadleaf weed control, and in the fall for annual bluegrass (*Poa annua*) and winter annual broadleaf weed control

Broadcast Application Rates (Warm Season Turfgrasses)

Use Area	Alligare Oryzalin 4 Pro (qt/acre)	Alligare Oryzalin 4 Pro (fl oz/ 1,000 sq ft)	Minimum Time Between Applications (Months)	Total Amount Allowed Per Year (qt/acre)
All except Florida	1.5 to 2	1 to 1.5	3	6
Florida	1.5	1	3	4.5

1. Summer Annual Grasses and Broadleaf Weeds

Single Application Program: Apply 2 quarts per acre of Alligare Oryzalin 4 Pro in late winter or early spring, prior to the onset of conditions favorable for annual weed germination.

Split Application Program: As an alternative to a single application program, Alligare Oryzalin 4 Pro may be applied in a split application. This program is desirable when the initial application is made well in advance of weed germination and where weed control is desired for a longer period of time. Apply 1.5 quarts per acre of Alligare Oryzalin 4 Pro in an initial application, followed by a second application of 1.5 quarts per acre 8-10 weeks later.

The second treatment of the split application may follow application of a different preemergence grass herbicide in place of the initial application of Alligare Oryzalin 4 Pro.

2. Annual Bluegrass (Poa annua) and Winter Annual Broadleaf Weeds

In areas of heavy annual bluegrass infestation, its elimination will result in temporary thinning of turfgrass cover. Proper fertilization, irrigation, and soil-incorporated reseeding should be employed to speed the restoration of desirable turfgrass cover in areas previously occupied by annual bluegrass (see section on reseeding).

Apply Alligare Oryzalin 4 Pro as a preemergence treatment in late summer or early fall, prior to the expected germination period for annual bluegrass and winter annual broadleaf weeds. If annual bluegrass infestation is severe and its elimination will result in thinning of turfgrass cover, apply Alligare Oryzalin 4 Pro at 1.5 quarts per acre. If thinning of turfgrasses cover is not a potential problem, Alligare Oryzalin 4 Pro may be applied at 2 quarts per acre.

Weed Control in Florida

In Florida, apply 1.5 quarts per acre of Alligare Oryzalin 4 Pro three times per year, or every 90-100 days in the fall, early spring, and early summer. **DO NOT** apply more than 1.5 quarts per acre of Alligare Oryzalin 4 Pro in any single application.

Application Equipment

Apply Alligare Oryzalin 4 Pro evenly over the turfgrass area. Avoid spray pattern skips and overlaps that may result in incomplete coverage or over-application. For best results, use application equipment designed to uniformly broadcast liquid herbicides. Calibrate application equipment prior to use, according to manufacturer's directions. Check equipment frequently to make sure it is working properly and distributing spray uniformly.

Reseeding

Herbicides that control annual weeds may also affect establishment of desirable turfgrass seedlings. Reseeding should be delayed for at least 90-120 days following application of Alligare Oryzalin 4 Pro. When reseeding, it is essential that proper cultural practices such

as soil cultivation and seedbed preparation, irrigation, and fertilization be followed. For satisfactory reseeding results following use of Alligare Oryzalin 4 Pro the seeding rate should be increased and equipment designed to place seed in full contact with soil (such as the Rogers Aero Seeder) should be employed.

Special Use Precautions

To avoid possible injury, **DO NOT** apply Alligare Oryzalin 4 Pro to:

- Cool season turfgrass species
- Golf course putting greens and tees or lawns containing dichondra or cool season turfgrass species.
- Newly sprigged or sodded areas of bermudagrass, St. Augustinegrass, centipedegrass, or zoysiagrass until these turfgrasses are well-established and have well-anchored root systems.
- Newly hydromulched areas of bermudagrass until such areas are well-established
- Bermudagrass variety "Sun Turf" when tank mixed with atrazine

IMPORTANT INFORMATION: READ BEFORE USE

Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop 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 Alligare, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Alligare, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Alligare, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Alligare, LLC disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: 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 paid or at Alligare, LLC's election, the replacement of product.

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