



10182-393 06/09/2000 1/42
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUN - 9 2000

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Anne L. Fitch
Zeneca Ag Products, Inc.
1800 Concord Pike
P.O. Box 15458
Wilmington, DE 19850-5458

SUBJECT: Fusilade II Turf And Ornamental Herbicide - Label Amendment
EPA Registration No. 10182-393
Your Application Dated March 29, 2000

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable. A stamped copy of the labeling is enclosed for your records. Please submit one copy of the final printed labeling before you release the product.

The Agency has recently revised its recommended First Aids statements for pesticide products (refer to PR Notice 2000-3: First Aid Statements on Pesticide Products Labels). The new statements were developed as part of the Consumer Labeling Initiative in close cooperation with poison control center personnel and other medical experts. While it is not mandatory that you revise your label at this time, you are strongly encouraged to substitute the revised statements (see enclosure) for those statements currently on the label as your next label printing. If you wish to receive a stamped copy of the label with the revised First Aid statements, submit an application for amendment (EPA Form 8570-1) and 4 copies of draft labeling for our review.

Sincerely yours,

Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division 7505C

Enclosure

M. Cooke
6-9-00

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FUSILADE® II Turf and Ornamental Herbicide

For the selective control of grass weeds in landscape areas, roadsides, nurseries, greenhouses, flower beds, groundcovers, interiorscapes, parks, sports fields, golf courses, commercial and residential areas.

COMPLETE DIRECTIONS FOR USE AND USE PRECAUTIONS

ACTIVE INGREDIENT:

Fluazifop-P-butyl

Butyl (R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]

phenoxy]propanoate* 24.5%

INERT INGREDIENTS 75.5%

TOTAL 100.0%

*FUSILADE II Turf and Ornamental herbicide contains 2 pounds (+) isomer (fluazifop-P-butyl) per gallon.

Contains petroleum hydrocarbons.

EPA Reg. No. 10182-393

KEEP OUT OF REACH OF CHILDREN

CAUTION

Active Ingredient Made in UK, Formulated and Packaged in USA for
ZENECA Professional Products
ZENECA Inc.
Wilmington, DE 19850-5458

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUN - 9 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-393

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STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush eyes with plenty of water. Call physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HARMFUL IF ABSORBED THROUGH SKIN OR INHALED. CAUSES EYE IRRITATION. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Viton or Neoprene Rubber.
- Shoes plus socks.

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Viton or Neoprene Rubber.
- Shoes plus socks.
- Protective eyewear.
- Chemical-resistant apron when mixing or loading.

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.

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When handlers use closed systems, enclosed cabs, or aircraft 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

Users should:

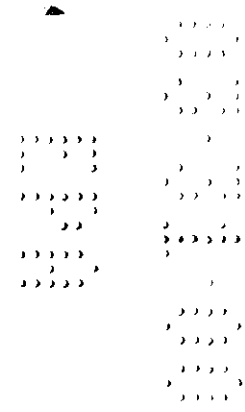
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
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ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or 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. Do not apply when weather conditions favor drift from target area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.



DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This labeling must be in the possession of the user at the time of application.

AGRICULTURAL USES: COMMERCIAL SOD FARMS, ORNAMENTALS GROWN IN COMMERCIAL GREENHOUSES AND NURSERIES

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 requirements in this box only apply 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 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-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Viton or Neoprene Rubber.
 - Shoes plus socks.
-

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

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CONTAINER DISPOSAL:

~~Metal Containers: Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.~~

Plastic Containers: Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

MINI BULK CONTAINER PRECAUTIONS - Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn thread on closure devices. **REFILL ONLY WITH FUSILADE® II TURF AND ORNAMENTAL.** The contents of this container cannot be completely removed by cleaning. Refilling with materials other than FUSILADE II Turf and Ornamental herbicide will result in contamination and may weaken container. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container. **CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

GENERAL INFORMATION

Read all label directions before using.

FUSILADE II Turf and Ornamental Herbicide is a selective postemergence herbicide for control of annual and perennial grass weeds in ~~noncrop landscape areas and nonbearing~~ ornamentals and certain turf grasses. ~~FUSILADE II Turf and Ornamental Herbicide will provide effective control of grass weeds in conventional tillage, minimum tillage, and no-till plantings.~~ FUSILADE II Turf and Ornamental Herbicide does not control broadleaf weeds or sedges (nutgrass). Fusilade II Turf and Ornamental may be applied directly over the top of ornamentals or as a directed spray. Refer to the attached list for specific plant safety.

FUSILADE II Turf and Ornamental is a systemic herbicide which moves from the treated foliage into the shoots, roots, rhizomes, stolons, and growing points (meristematic regions) of treated grass weeds.

FUSILADE II Turf and Ornamental Herbicide is rainfast in one hour.

CONTROL SYMPTOMS

~~Thorough coverage of all weed plant foliage is important for good activity. Optimum weed control is achieved when young actively growing weeds are treated that are not under stress from moisture, temperature, low soil fertility, mechanical, or chemical injury.~~

Growth of treated grass weeds stops soon after application. Symptoms include loss of vigor, yellowing and/or reddening, and eventual death to the treated grass plant. Symptoms are generally observed within ~~one week~~ 7-14 days after treatment, depending on grass weed species and environmental conditions. Complete control occurs from 10-21 days following application.

INFORMATION ON WEED RESISTANCE

Naturally occurring biotypes of certain grass species with resistance to this herbicide and related products (same mode of action) are known to exist. Selection of resistant biotypes, through repeated use of these herbicides, may result in control failures.

If poor performance cannot be attributed to adverse weather conditions or improper application methods, a resistant biotype may be present. In such a case, additional treatments with this herbicide or related products is not recommended. Consult your local company representative or agricultural advisor for assistance.

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APPLICATION DIRECTIONS

Thorough coverage of all weed plant foliage is important for good activity. Optimum weed control is achieved when young actively growing weeds are treated that are not under stress from moisture, temperature, low soil fertility, mechanical, or chemical injury.

TIMING - Best control of susceptible grasses is obtained when FUSILADE II Turf and Ornamental herbicide is applied to actively growing grasses before they exceed the recommended growth stages shown on this label. Refer to the grass weed table for specific recommendations on weed growth stages.

~~**SPRAY ADDITIVES** - Only nonionic surfactants cleared for use on growing crops under 40 CFR 180.1001 may be used in spray mixture.~~

~~**GROUND APPLICATION** - For best control, use sufficient spray volume and pressure to ensure complete coverage of the target grasses. Apply in 5-40 gallons per acre. Apply in 1-2 gallons final spray per 1,000 sq. ft. (5-40 gal. per acre) of spray mixture with spray pressures of 40-60 psi at the nozzle tip. When grass foliage is dense, use 60 psi and a minimum of 20 gallons per acre 1,000 ft² to ensure coverage of weed foliage. Do not exceed the maximum application rates for FUSILADE II Turf and Ornamental herbicide.~~

~~ALWAYS ADD THE FOLLOWING:~~

~~**Nonionic Surfactant** - Always add a high quality nonionic surfactant containing at least 75% surface-active agent, at 0.25-0.5% v/v (1/2-1 pint per 25 gallons) of the finished spray volume for ground sprays.~~

~~**FOR BEST RESULTS, DO NOT USE FLOOD TYPE OR OTHER SPRAY NOZZLE TIPS WHICH DELIVER COARSE, LARGE DROPLET SPRAYS.**~~

~~**FOR BEST RESULTS, DO NOT APPLY FUSILADE II Turf and Ornamental HERBICIDE WITH RECIRCULATING SPRAYERS, ROPE-WICK APPLICATORS, CONTROLLED DROPLET APPLICATORS (CDA) OR ANY SIMILAR DEVICES.**~~

~~**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**~~

~~**BAND APPLICATIONS** - Thorough weed coverage is important for control.~~

~~**CULTIVATION** - Cultivation Disturbance (such as mowing, hand weeding, etc.) of treated grasses is not recommended within 7 days prior to or within 7 days after application of FUSILADE II Turf and Ornamental herbicide, as weeds may be put under stress, reducing weed control. Timely cultivation 2-3 weeks before or after applying FUSILADE II Turf and Ornamental herbicide may assist weed control.~~

GENERAL USE PRECAUTIONS

- Apply to actively growing grasses. Do not apply Application to grasses which are stressed, due to moisture, temperature, low soil fertility, mechanical or chemical injury may result in reduced weed control.
- For best results, apply at the recommended rate to grasses at the recommended growth stages as outlined in the Annual & Perennial Grass Weed Growth Stage table on Page . Do not apply Application to grasses which have tillered, formed seed heads, or exceeded recommended growth stages may require additional treatment.

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- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment. Use the highest recommended rate for grasses in that group.
- Where irrigation is used ~~as part of normal cropping practice~~, best results ~~are usually~~ may be obtained when FUSILADE II Turf and Ornamental herbicide is applied within 7 days after irrigation.
- Best perennial grass control can be obtained if rhizomes or stolons are cut up by hoeing, etc. ~~preplant tillage practices (discing, plowing, etc.)~~ to stimulate maximum emergence of grass shoots.
- ~~Do not plant rotational grass crops such as corn, sorghum and cereals within 60 days of last application of FUSILADE II Turf and Ornamental herbicide.~~
- ~~Do not reseed or seed desirable grasses within 30 days of application.~~
- Avoid drift to all other crops and nontarget areas. Grass crops are highly susceptible to FUSILADE II Turf and Ornamental herbicide.
- For established turf, do not reseed desirable grasses to treated areas for 14 days following the application. For bare ground areas which have been treated, wait 30 days to reseed.
- ~~Do not tankmix FUSILADE II Turf and Ornamental herbicide~~ FUSILADE II Turf and Ornamental may be tankmixed with other pesticides, liquid fertilizers or any other additives ~~except as specified on this label or other supplemental labeling~~ according to this label or if local experience indicates that each product on the tankmix are safe to the treated crop.
- Sequential applications of other herbicides except as specified on this label or on supplemental labeling within five days before or after FUSILADE II Turf and Ornamental herbicide application may result in ~~crop~~ ornamental injury and/or reduced grass control.
- Thoroughly clean spray tank with water and a commercial tank cleaner before and after each use.
- ~~Do not apply FUSILADE II Turf and Ornamental herbicide if rainfall is expected within 1 hour.~~ Reduced grass control may be observed if rainfall or irrigation occurs within one hour of application.
- DO NOT GRAZE ANIMALS IN TREATED AREAS OR FEED TREATED PLANTS.
- REFER TO GRASS WEED TABLES FOR SPECIFIC RECOMMENDATIONS ON WEED GROWTH STAGES.
- **NOTICE TO BUYER AND USER:** It is impossible to test every species and variety or cultivar of ornamental or nursery plants under all conditions. Plant tolerance of pesticides vary as conditions vary. Plant tolerance of FUSILADE II Turf and Ornamental herbicide at label rates has been found to be acceptable within the ranges specified for the indicated genera and species. Neither the manufacturer nor the seller has determined whether or not FUSILADE II Turf and Ornamental herbicide can safely be used on plants not specified on this label. The professional user should determine if FUSILADE II Turf and Ornamental herbicide can be used safely prior to use.

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~~NONFOOD AGRICULTURAL USES - ORNAMENTALS~~

~~FUSILADE II Turf and Ornamental herbicide can be used to control annual and perennial grass weeds in ornamental nongrassy plants, trees, shrubs and ground covers grown in landscapes, commercial greenhouses and nurseries. See Tables I - IV for specific recommended uses.~~

~~FUSILADE II Turf and Ornamental herbicide may be applied as an over-the-top spray or a directed spray application in ornamentals.~~

~~FUSILADE II Turf and Ornamental herbicide may also be used to suppress and eventually control some undesirable grasses in commercial turf areas.~~

~~GENERAL PRECAUTIONS FOR AGRICULTURAL USES IN COMMERCIALY-GROWN ORNAMENTALS~~

- ~~● Apply FUSILADE II Turf and Ornamental herbicide to actively growing grasses before they exceed the recommended growth stages in the Annual and Perennial Grass Weed Growth Stage tables on Page ____.~~
- ~~● Spray to obtain thorough coverage of grass foliage, but not to runoff. Repeat treatments may be necessary to provide full season control.~~
- ~~● Use standard pesticide hollow cone or flat fan nozzles.~~
- ~~● Do not apply FUSILADE II Turf and Ornamental herbicide to grasses which are stressed due to moisture, temperature, low soil fertility, mechanical or chemical injury.~~
- ~~● Do not apply to foliage of ornamental plants, trees, shrubs, or ground covers unless they are listed in Table I (OVER-THE-TOP APPLICATIONS).~~
- ~~● Do not apply to trees, vines or other ornamentals that will be harvested for food within one year after application.~~

~~APPLICATION RATES~~

~~**NONFOOD AGRICULTURAL USE - ORNAMENTALS:** For landscaped areas, roadsides, field grown ornamentals, greenhouses, nurseries, flower beds and all other non-turf areas:~~

~~Apply 0.4-0.6 oz/1000 sq. ft. (16-24 oz. per acre) of FUSILADE II Turf and Ornamental herbicide in sufficient water along with 0.25% (1/2 pint per 25 gallons) of a nonionic surfactant. Use only nonionic surfactant on ornamentals. **DO NOT USE A CROP OIL CONCENTRATE WITH FUSILADE II Turf and Ornamental HERBICIDE ON ORNAMENTALS.** Refer to the weed tables on Page ____ for recommended growth stages of grasses at application.~~

~~FUSILADE II may be applied over-the-top or as a directed spray. Please refer to Table 1 for a list of ornamental species for which over-the-top application is appropriate. For species listed in Tables II-IV, directed spray applications are necessary to minimize phytotoxicity. However, there is the possibility of damage in the range listed for each table when applied at label rates.~~

~~NONFOOD AGRICULTURAL USE - ADDITIONAL GRASS WEED CONTROL:~~

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~~Over-spray Zoysia: Application should be made at a rate of 3 to 4 oz per acre with FUSILADE II Turf and Ornamental herbicide, and a nonionic surfactant. Applications should be made in late spring (around June 1) and repeated about every 28 to 30 days. Late summer application can be reduced to 2 to 3 oz per acre as bermudagrass is preparing for dormancy. During hot summer weather the rates could be increased to 4 to 5 oz per acre. Note: The 5 oz rate could cause temporary turf discoloration.~~

~~Over-spray Tall Fescue: Application rate should be 5 to 6 oz per acre. Application should be made during warm weather in early spring (April, May) when bermudagrass is breaking dormancy. This should be repeated in fall (September/October) when bermudagrass is preparing for dormancy. Applications during the hot months of summer should be avoided. Note: This application will show slight discoloration to desirable turfgrass. Desirable grasses should recover within 10 to 14 days. Weather and cultural treatments can also effect applications. Use a minimum of 30 gallons of water per acre.~~

~~Complete suppression of undesirable grasses may take 1 to 2 growing seasons.~~

~~Do not use a crop oil concentrate on ornamentals.~~

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TABLE I

OVER-THE-TOP APPLICATIONS may be applied to the following ornamentals: Use Only Nonionic Surfactant on Ornamentals.

Common Name/Variety	Scientific Name
Abelia, Glossy	Abelia grandiflora
Acacia, Jim wheat	Acacia schafnerii
Acacia, Shoe-string	Acacia stenophylla
Acacia, Willow	Acacia saligna
Acacia, Willow-leafed	Acacia salacina
Ageratum sp.	Ageratum sp.
Almond, Flowering	Prunus trialoba
Aloe, Barbados	Aloe barbadensis
Aloe vera	Aloe vera
Aloe zanzibarica	Aloe zanzibarica
Alyssum sp.	Alyssum sp.
Ash, American Mountain	Sorbus americana*
Ash, Arizona	Fraxinus velutina
Ash, Green	Fraxinus pennsylvanica*
Ash, White	Fraxinus americana*
Asparagus, Myres	Asparagus densiflorus
Asparagus, Sprenger	Asparagus densiflorus
Aucuba	Aucuba japonica
Aucuba japonica variegata	Aucuba japonica variegata
Aurea	Philadelphius coronarius
Banana, Ethiopia	Musa maurelli
Banksia	Rosa Banksiae
Barberry, Mentor	Berberis mentorensis
Barberry, Redleaf Japanese	Berberis thunbergii*
Bearberry, Red	Arctostaphylos uva-ursi
Begonia, Scarletta	Begonia Semperflorens cultoreum*
Bellflower	Campanula carpatica

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Common Name/Variety	Scientific Name
Birch, Eastern white	<i>Betula pendula</i> *
Bird, Giant of paradise	<i>Strelitzia nicolai</i>
Bird of paradise	<i>Caesalpinia gilliesii</i>
Bird of Paradise	<i>Strelitzia reginae</i>
Bittle bush	<i>Encelia farinosa</i>
Bottle-brush	<i>Callistemon lanceolatus</i>
Bougainvillea sp.	<i>Bougainvillea</i> sp.
Boxwood, Common	<i>Buxus sempervirens</i>
Boxwood, Japanese	<i>Buxus microphylla</i> var. <i>japonica</i>
Boxwood, Korean	<i>Buxus microphylla</i> <i>koreana</i>
Buckthorn, Tallhedge	<i>Rhamnus frangula</i>
Burningbush, Compact	<i>Kochia scoparia</i> f. <i>trychophylla</i>
Bush, Lily-of-the-Valley	<i>Pieris japonica</i>
Bush, Purple hopseed	<i>Dodonea viscosa</i> <i>purpurea</i>
Cactus, Barrel	<i>Ferocactus</i> sp.
Cactus, Cholla	<i>Opuntia</i> Cholla
Cactus, Hedgehog	<i>Echinocactus</i> sp.
Cactus, Saguaro	<i>Carnegiea</i> <i>gigantea</i>
Caesalpinia cacalaco	<i>Caesalpinia cacalaco</i>
Camelia	<i>Camelia japonica</i>
Camelia, Sasanqua	<i>Camelia sasanqua</i>
Cape weed	<i>Arctotheca calendula</i>
Carissa tuttlei	<i>Carissa tuttlei</i>
Cassia, African	<i>Cassia didymobrotia</i>
Cassia, Feathery	<i>Cassia artemisioides</i>
Cassia sturdii	<i>Cassia sturdii</i>
Centaurea, Dusty miller	<i>Centaurea cineraria</i>
Century plant	<i>Agave americana</i>
Cerastium, Snow in summer	<i>Cerastium tomentosum</i>
Ceratoria, Carob tree	<i>Ceratoria siliqua</i>

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Common Name/Variety	Scientific Name
Cercis, Red bud	<i>Cercis canadensis</i>
Cherry, Australian bush	<i>Syzygium paniculatum</i>
Cherry, Brush	<i>Eugenia myrtifolia</i>
Cherry, Carolina	<i>Prunus caroliniana</i> ompacta
Chives	<i>Allium schoenoprasum</i>
Cleyera	<i>Cleyera</i> spp.
Cleyera	<i>Ternstroemia gymnanthera</i>
Clover, Pink	<i>Polygonum capitatum</i>
Coffee	<i>Coffea arabica</i>
Coleus	<i>Coleus x hybridus</i> *
Coleus, Jade wizard	<i>Coleus x hybridus</i>
Coolibah, Gum-barked	<i>Eucalyptus microtheca</i>
Coreopsis, Threadleaf	<i>Coreopsis verticillata</i>
Coronet, Orange	<i>Calendula officinalis</i> *
Cotoneaster	<i>Cotoneaster microphyllus</i>
Cotoneaster	<i>Cotoneaster repens</i>
Cotoneaster apiculata	<i>Cotoneaster apiculata</i>
Cotoneaster, Coral beauty	<i>Cotoneaster dammeri</i>
Cotoneaster, Royal beauty	<i>Cotoneaster dammeri</i>
Cotoneaster, Spreading	<i>Cotoneaster divaricatus</i>
Cotoneaster, Willowleaf	<i>Cotoneaster salicifolius</i> franch
Crabapple, Showy	<i>Malus floribunda</i>
Cranesbill	<i>Geranium pratense</i>
Creeper, Blue star	<i>Isotoma</i> sp.
Crossandra	<i>Crossandra nilotica</i>
Croton	<i>Codiaeum variegatum</i>
Crown Vetch	<i>Vicia</i> sp.
Cypress, Allum lawson	<i>Chamaecyparis lawsoniana</i>
Cypress, Cripps hinoki false	<i>Chamaecyparis obtusa</i>
Cypress, Italian	<i>Cupressus sempervirens</i>

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Common Name/Variety	Scientific Name
Daisy, Shasta	Chrysanthemum x superbum
Daisy, White africans	Osteospermum fruticosum alba
Daylily	Hemerocallis hybrids
Deutzia, Slender	Deutzia gracilis
Dianthus, Sweet William	Dianthus barbatus
Dogwood, Cornelia cherry	Cornus mas
Dogwood, Flaviramea	Cornus sericea
Dogwood, Flowering	Cornus florida
Dogwood, Red twig	Cornus sericea
Dumbcane, Giant	Dieffenbachia amoena
Emerald mound	Lonicera xylosteum
Eranthemum, Purple false	Pseuderanthemum atropurpureum
Erythrina, Fastadiata	Erythrina fusca
Erythrina, Swamp immortalia	Erythrina fusca
Escallonia fradessii	Escallonia fradessii
Escallonia rubra	Escallonia rubra
Euonymus fortunei	Euonymus fortunei
Euonymus, Siebold	Euonymus alata
Euonymus, Silver king	Euonymus japonica
Euonymus, Spreading	Euonymus kiautschovicus
Euryops	Euryops pectinatus
Evergreen, Fransher	Aglaonema commutatum
Evergreen, Painted	Aglaonema crispum
Evergreen, Silver queen	Aglaonema commutatum
Evergreen, Treubii ribbon	Aglaonema commutatum
Fatshedera	Fatshedera lizei
Fern, Desert tree	Lysiloma thornberii
Fern, Leatherleaf	Rumohra adiantiformis
Fern, Sword	Nephrolepis exaltata
Fig, Creeping	Ficus repens

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Common Name/Variety	Scientific Name
Fig, Exotica weeping	<i>Ficus benjamina</i>
Fig, Trailing hottentot	<i>Carpobrotus chilensis*</i>
Fir, Balsam	<i>Abies balsamea*</i>
Fir, Concolor	<i>Abies concolor</i>
Fir, Douglas	<i>Pseudotsuga mensiessi</i>
Fir, Noble	<i>Abies procera</i>
Firethorn	<i>Pyracanthus graberi</i>
Firethorn, Mojave	<i>Pyracanthus koidzumii x coccinea</i>
Firethorn, Scarlet, Lalandei	<i>Pyracanthus coccinea</i>
Firethorn, Variegated	<i>Pyracanthus angustifolia</i>
Flower, Spider	<i>Grevillea rosmarinifolia</i>
Forsythia intermedia	<i>Forsythia intermedia</i>
Forsythia sp.	<i>Forsythia sp.</i>
Forsythia, weeping	<i>Forsythia suspensa</i>
Forsythia x intermedia	<i>Forsythia x intermedia</i>
Gardenia, dwarf	<i>Gardenia jasminoides</i>
Gardenia, Tahitian	<i>Gardenia taitensis</i>
Gay feather	<i>Liatris spicata</i>
Gazania gold rush	<i>Gazania splendens</i>
Gazania uniflora leucoleana	<i>Gazania uniflora leucoleana</i>
Geranium	<i>Pelargonium domesticum</i>
Geranium, Ivy	<i>Pelargonium peltatum</i>
Geranium, Smash Hit Red	<i>Pelargonium X hortorum*</i>
Gimlet, Narrow-leaf	<i>Eucalyptus spathulata</i>
Gladiolus, Debbie, Jennie, Mahogany, Stargazer	<i>Gladiolus x hortulanus</i>
Grapefruit	<i>Citrus paradist</i>
Grapholly, Oregon	<i>Magnolia sp.</i>
Grass, Red fountain	<i>Pennisetum setaceum</i>
Gum, Desert	<i>Eucalyptus rudis</i>
Gum, Red	<i>Eucalyptus rostrata</i>

18/02

Common Name/Variety	Scientific Name
Gum, Red box	<i>Eucalyptus polyanthemus</i>
Hackberry	<i>Celtis occidentalis</i> *
Hawthorn, Yedda / Indian	<i>Raphiolepis unbellata</i>
Heather, Scotch	<i>Calluna vulgaris</i>
Hemlock, Eastern	<i>Tsuga canadensis</i>
Hen and chickens	<i>Sempervivum tectorum</i>
Hesperaloe parviflora	<i>Hesperaloe parviflora</i>
Hibiscus, Althea	<i>Hibiscus syriacus</i>
Hibiscus, Chinese	<i>Hibiscus rosa-sinensis</i>
Holly, American	<i>Ilex opaca</i>
Holly, Dwarf buford	<i>Ilex cornuta</i>
Holly, Fosteri	<i>Ilex x attenuata</i>
Holly, Japanese	<i>Ilex crenata</i>
Holly, Meserve	<i>Ilex x Meserveae</i>
Hollyhock	<i>Alcea rosa</i>
Honey locust / shade master	<i>Gleditsia triacanthos</i> var. <i>inermis</i>
Honeysuckle, Bush	<i>Diervila lonicera</i>
Honeysuckle, Cape	<i>Tecomaria capensis</i>
Honeysuckle, Marrow	<i>Lonicera x marrowii</i>
Hosta, Variegated	<i>Hosta lanciflora</i>
Hydrangea, Oakleaf	<i>Hydrangea querciflora</i>
Hydrangea, Panicle	<i>Hydrangea paniculata</i>
Iberis, Candytuff	<i>Iberis sempervirens</i>
Ice plant, Purple trailing	<i>Mesembryanthemum drosanhemum productus</i>
Ice plant, Red spike	<i>Mesembryanthemum lampranthus spectabilis</i>
Ice plant, Rose	<i>Mesembryanthemum drosanhemum hispidum</i>
Indigo, Firecracker, Mexican	<i>Justicia spicigera</i>
Inkberry, Compact	<i>Ilex glabra</i>
Iris	<i>Iris</i> sp.
Ironwood	<i>Olneya tesota</i>

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Common Name/Variety	Scientific Name
Ivy, Algerian	<i>Hedera canariensis</i>
Ivy, Ellen Danica, grape	<i>Cissus rhombifolia</i>
Ivy, English	<i>Hedera helix</i>
Ivy, Hahn's	<i>Hedera helix hahnii</i>
Ixora	<i>Ixora coccinea</i>
Jacaranda	<i>Jacaranda acutifolia</i>
Jacobina ghiesbreghtiana	<i>Jacobina ghiesbreghtiana</i>
Jamine, Star	<i>Trachelospermum jasminoides</i>
Jasmine, Asiatic	<i>Trachelospermum asiaticum</i>
Jessamine, Carolina	<i>Gelsemium sempervirens</i>
Jojoba	<i>Simmondsia chinensis</i>
Juniper, Admiral	<i>Juniperus horizontalis*</i>
Juniper, Cologreen	<i>Juniperus scopulorum</i>
Juniper, Red cedar	<i>Juniperus virginiana</i>
Lantana, Bush	<i>Lantana camera</i>
Lantana, Purple (trailing)	<i>Lantana sellowiana</i>
Lantana, Twistwood	<i>Viburnum lantana*</i>
Lantana, Wayfaring tree	<i>Viburnum lantana*</i>
Laurel, Indian	<i>Ficus microcarpa nitida</i>
Laurel, Indian	<i>Ficus nitida</i>
Legume, O'Connors	<i>Trifolium fragiferum</i>
Lentago, Nannyberry	<i>Viburnum lentago*</i>
Leptospermum laevigatum	<i>Leptospermum laevigatum</i>
Ligustrum, Amur River	<i>Ligustrum amurense</i>
Ligustrum, Privet / California	<i>Ligustrum ovalifolium</i>
Ligustrum, Texas privet	<i>Ligustrum texanum</i>
Ligustrum, Vicari	<i>Ligustrum x Vicari</i>
Ligustrum, Wax	<i>Ligustrum lucidum</i>
Lilac, James McFarlane	<i>Syringa villosa</i>
Lilac, Korean	<i>Syringa patula</i>

20/42

Common Name/Variety	Scientific Name
Lily, Kaffir	<i>Clivia miniata</i>
Lily of the Nile, Peter Pan	<i>Agapanthus africanus</i>
Linden, Little-leaf	<i>Tilia cordata*</i>
Liriope	<i>Liriope spicata</i>
Liriope, Green / Variegated	<i>Liriope muscari</i>
Magnolia, Southern	<i>Magnolia grandiflora</i>
Magnolia, Star	<i>Magnolia stellata</i>
Mahonia	<i>Mahonia aquifolium</i>
Mahonia, King's Ransom	<i>Mahonia wagoneri*</i>
Maple, Flame amur	<i>Acer ginnala*</i>
Maple, Japanese	<i>Acer palmatum</i>
Maple, Norway	<i>Acer platanoides</i>
Maple, Silver	<i>Acer sacharinum*</i>
Maple, Sugar	<i>Acer sacharum</i>
Marigold	<i>Calendula sp.</i>
Marigold	<i>Tagetes sp.</i>
Mesquite, Chilean	<i>Prosopis chilensis</i>
Morningglory, Bush	<i>Convolvulus oneorum</i>
Myoponum, Prostrate	<i>Myoponum parvifolium</i>
Myrtle, Crepe	<i>Lagerstroemia indica</i>
Myrtle, Wax	<i>Myrica cerifera</i>
Oak, live	<i>Quercus virginiana</i>
Oak, Pin	<i>Quercus palustris*</i>
Oak, Silk	<i>Grevillea robusta</i>
Ocotillo	<i>Fouqueria splendens</i>
Odocanthus sp.	<i>Odocanthus sp.</i>
Oleander, Pink, variegated, petite	<i>Nerium oleander</i>
Olive, Osmanthus, tea	<i>Osmanthus fragrans</i>
Olive, Russian	<i>Elaeagnus angustifolia</i>
Olive tree	<i>Olea europaea</i>

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Common Name/Variety	Scientific Name
Ongerops, Acacia	Acacia redolens
Orange, Sour	Citrus aurantium
Pachysandra, Japanese	Pachysandra terminalis
Pagoda flower	Clerodendrum speciosum
Palibin	Syringa meyeri
Palm, Canary Island date	Phoenix canariensis
Palm, Chinese fan	Livistona chinensis
Palm, Golden fruited (small)	Chrysalidocarpus lutescens
Palm, Mediterranean fan	Chamaerops humilis
Palm, Mexican fan	Washington robusta
Palm, Pygmy date	Phoenix roebelenii
Palm, Queen	Acrecastrum romanzoffianum
Palm Queen	Cocos plumosa
Palm, Sago	Cycus revoluta
Palm, Windmill	Chamaerops excelsa
Palo Verde, green	Parkensonia aculeata
Panax, Parsley	Polyscias fruticosa
Passion vine	Passiflora pfordtii
Pear, Bradford	Pyrus calleryana
Pepper, Brazilian	Schinus terebinthifolius
Periwinkle	Vinca major
Periwinkle, Myrtle, dwarf	Vinca minor
Petunia sp.	Petunia sp.
Philodendron selloum	Philodendron selloum
Philodendron, "Micans" velvetleaf	Philodendron oxycardium
Photinia	Photinia x fraseri
Phyllostachys, Golden bamboo	Phyllostachys aurea
Physocarpus, Abbotswood	Physocarpus fruticosa
Physocarpus, Dwarf Ninebark, Nanus	Physocarpus opulifolius
Physocarpus, Gold drop	Physocarpus fruticosa

22/42

Common Name/Variety	Scientific Name
Physocarpus, Jackmanni	Physocarpus fruticosa
Pilea, Creeping Charlie	Pilea nummularifolia
Pine, African fern	Podocarpus gracilor
Pine, Black / Austrian pine	Pinus nigra
Pine, Canary Island	Pinus canariensis
Pine, Dwarf Swiss mountain	Pinus mugo
Pine, Eastern white	Pinus strobus
Pine, Loblolly	Pinus taeda*
Pine, Longleaf	Pinus palustris*
Pine, Mexican border	Pinus strobiformus
Pine, Norfolk Island	Araucaria heterophylla
Pine, Pitch	Pinus rigids*
Pine, Pond	Pinus serotina*
Pine, Red	Pinus resinosa
Pine, Sand	Pinus clause*
Pine, Scotch	Pinus sylvestris
Pine, Shortleaf	Pinus echinata*
Pine, Slash	Pinus elliotii
Pine, Spruce	Pinus glabra*
Pine, Table-Mountain	Pinus pungens*
Pine, Virginia	Pinus virginiana
Pine, Western / Ponderosa	Pinus ponderosa
Pine, Yew	Podocarpus macrophylla
Pink lady	Raphiolepis indica
Plant, Candelabra	Euphorbia lactea
Plant, Caricature	Graptophyllum pictum
Plant, Mirror	Coprosma baueri
Plant, Ti	Cordyline terminalis
Plant, Variegated mirror	Coprosma repens
Plant, Waffle plant / metallic	Hemigraphis sp.

23/12

Common Name/Variety	Scientific Name
Plum, Natal	<i>Carissa grandiflora</i>
Plumbago, Cane	<i>Plumbago capensis</i>
Plumosa	<i>Chamaecyparis pisifera</i>
<i>Polystichum capense</i>	<i>Polystichum capense</i>
Portulaca, Sunglo	<i>Portulaca grandiflora*</i>
Potentilla, Gold drop, Primrose beauty	<i>Potentilla fructosa</i>
Potentilla verna	<i>Potentilla verna*</i>
Protea	<i>Protea compacta*</i>
Protea	<i>Protea eximia*</i>
Protea	<i>Protea repens*</i>
Protea, Giant / King	<i>Protea cynaroides</i>
Protea, Oleander-leaved	<i>Protea nerifolia*</i>
Pygmy, Crimson	<i>Berberis thunbergii*</i>
Pyracanth, Lodense	<i>Pyracanth koidzumii</i>
Quince, Flowering	<i>Chaenomeles speciosa*</i>
Radiator plant	<i>Peperomia scandens</i>
Rhododendron	<i>Rhododendron formosa</i>
Rhododendron, Amoenum	<i>Rhododendron obtusum</i>
Rhododendron, Blaauw's pink	<i>Rhododendron sp.</i>
Rhododendron, Boule de neige	<i>Rhododendron sp.</i>
Rhododendron, Chionoides	<i>Rhododendron catawbiense</i>
Rhododendron, Coral bells	<i>Rhododendron obtusum</i>
Rhododendron, Delaware Valley white	<i>Rhododendron sp.</i>
Rhododendron, Elizabeth Gable	<i>Rhododendron catawbiense</i>
Rhododendron, English roseum	<i>Rhododendron catawbiense</i>
Rhododendron, Fashio	<i>Rhododendron sp.</i>
Rhododendron, Gerard's Rose	<i>Rhododendron sp.</i>
Rhododendron, Gibraltar	<i>Rhododendron sp.</i>
Rhododendron, Gloria	<i>Rhododendron sp.</i>
Rhododendron, Greeting	<i>Rhododendron sp.</i>

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Common Name/Variety	Scientific Name
Rhododendron, Gumpo pink	Rhododendron sp.
Rhododendron, Gumpo white	Rhododendron sp.
Rhododendron, H. H. Hume	Rhododendron sp.
Rhododendron, Hahn red	Rhododendron sp.
Rhododendron, Herbert	Rhododendron sp.
Rhododendron, Hino red	Rhododendron sp.
Rhododendron, Kaempo	Rhododendron sp.
Rhododendron, Kluis sensation	Rhododendron sp.
Rhododendron, Korean azalea/Poukhanense	Rhodeodendron yedoense
Rhododendron, Less dark purple	Rhododendron catawbiense
Rhododendron, Masasoit	Rhododendron sp.
Rhododendron, Mother's Day	Rhododendron sp.
Rhododendron, Pericat	Rhododendron sp.
Rhododendron, Pink pearl	Rhododendron sp.
Rhododendron, President Lincoln	Rhododendron sp.
Rhododendron, Prize	Rhododendron sp.
Rhododendron, Purple elegans	Rhododendron catawbiense
Rhododendron, Purple gem	Rhododendron sp.
Rhododendron, Purple splendor	Rhododendron catawbiense
Rhododendron, Red ruffle	Rhododendron sp.
Rhododendron, Red wing	Rhododendron sp.
Rhododendron, Road runner	Rhododendron sp.
Rhododendron, Rose greeley	Rhododendron catawbiense
Rhododendron, Rosebud	Rhododendron sp.
Rhododendron, Roseum elegans	Rhododendron catawbiense
Rhododendron, Roseum superbum	Rhododendron catawbiense
Rhododendron, Royalty	Rhododendron sp.
Rhododendron, Rutherfordiana Constances	Rhododendron sp.
Rhododendron, Salmon spray	Rhododendron sp.
Rhododendron, Snow	Rhododendron sp.

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Common Name/Variety	Scientific Name
Rhododendron, Stewartstonian	Rhododendron sp.
Rhododendron, Sweethart	Rhododendron sp.
Rhododendron, Tabor	Rhododendron sp.
Rhododendron, Tradition	Rhododendron sp.
Rhododendron, White cascade	Rhododendron sp.
Rhododendron, White catawba	Rhododendron catawbiense
Rhododendron "Gable Hybrid"	Rhododendron "Gable Hybrid"
Rhuellia californica	Rhuellia californica
Rose	Rosa sp.
Rose, Hybrid tea	Rosa hybrida
Rose, Rock	Cistus hybridus
Rosemary dwarf	Rosmarinus officinalis prostratus
Rubber tree	Ficus elastica decora
Sage, Texas	Leucophyllum frutescens
Sally, Moneywort / Wandering	Lysimachia nummularia
Saltbush	Atriplex sp.
Salvia greggii	Salvia greggi
Sandwort	Arenaria vema
Sansevieria, Hahaii / Mother-in-law's tongue	Sansevieria trifasciata
Sansevieria, Moon Glow	Sansevieria sp.
Santolina, Lavendar cotton	Santolina chanaecy parissus
Schefflera, Manila Ripple	Schefflera arboricola
Schinus, California pepper	Schinus molle
Sedum	Sedum spectabile
Sedum, Brown bean	Sedum quatemalense
Sedum, Green stone crop	Sedum brevifolium
Sedum x rubrotinctum	Sedum x rubrotinctum
Snapdragon	Antirrhinum majus*
Snapdragon, Yellow floral carpet	Antirrhinum majus
Spirae, Anthony Waterer	Spirae x bumalda

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Common Name/Variety	Scientific Name
Spirae, Billiard	Spirae x billiardi
Spirae, Coccinea	Spirae japonica*
Spirae, Crispa	Spirae x bumalda
Spirae, Froebelii	Spirae x bumalda
Spirae, Gold Flame	Spirae x bumalda
Spirae, Snowmound	Spirae nipponica
Spirae, Thunberg	Spirae thunbergii
Spirea, False	Astilbe x arendsii
Sprenger	Asparagus densiflorus
Spruce, Blue	Picea pungens
Spruce, Dwarf Alberta, Black Hills, Densata	Picea glauca
Spruce, Norway	Picea abies
Spruce, Serbian	Picea omarika
Statice, Annual	Statice sinuata
Strawberry, Ornamental	Fragaria chiloensis
Sumac, fragrant	Rhus aromatica
Sumar, African standard	Rhus lancea
Sweetgum, American	Liquidambar styraciflua
Sycamore	Platanus sp.*
Tecoma, Yellow Bells	Tecoma stans angustate
Thuga, Berkman's	Thuga orientalis
Thuga, Emerald green	Thuga occidentalis
Thuga, Globosa	Thuga occidentalis
Thuga, Pyramidalis	Thuga occidentalis
Thuga, Techny	Thuga occidentalis
Thuga, Techny american arborvitae	Thuga occidentalis
Thuga, White Cedar	Thuga occidentalis
Thuga, Woodwardii	Thuga occidentalis
Trachelospermum asiaticum	Trachelospermum asiaticum
Tree, Firewheel	Stenocarpus sinuatus

27/42

Common Name/Variety	Scientific Name
Tree, Golden-rain	Koelreuteria paniculata*
Tree, New Zealand Christmas	Metrosideros excelsus
Tree, Pagoda	Sophora japonica*
Tree, Varnish	Koelreuteria panicalata
Tree, Yellow oleander	Thevetia peruvianaa
Viburnum, Arrowwood	Viburnum dentatum
Viburnum, Compact cranberrybush	Viburnum trilobum
Viburnum, Doublefile / tomentosum	Viburnum plicatum
Viburnum, Japanese snowball	Viburnum japonicum
Viburnum, Judd	Viburnum x juddi
Viburnum, Nanum	Viburnum opulus
Viburnum, Spandankwa	Viburnum suspensum
Viburnum, Willowwood	Viburnum x rhytidophylloides
Weigelia, Newport red	Weigelia florida
Weigelia, Pink	Weigelia florida
Welleri	Buxus sempervirens
Willow, Australia	Geijera parviflora
Willow, Basket	Salix purpurea
Willow, Desert	Pittosporum phillyraeoides
Willow, Purple	Salix purpurea*
Willow, Tortuosa corkscrew	Salix matsudana
Willow, Weeping	Salix babylonia*
Willow, Wheelers dwarf, variegated	Pittosporum Tobira
Willow, White	Salix alba
Xylosma senticosa	Xylosma senticosa
Yarrow, Common	Achillea millefolium
Yarrow, Coronation gold, fernleaf	Achillea filipendulina
Yaupon, Dwarf yaupon / Tall	Ilex vomitoria
Yew, Dense	Taxus x media
Yew, Hicks	Taxus x media

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Common Name/Variety	Scientific Name
Yew, Japanese	Taxus cuspidata
Yew, Thayeri	Taxus x media
Yucca	Yucca filamentosa
Yucca, Spanish dagger	Yucca gloriosa
Yucca, Weeping dagger	Yucca pendula
Zinnia sp.	Zinnia sp.

*Not applicable in California

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TABLE II

DIRECTED APPLICATIONS

- When plant growth habit allows, applications should be made as a directed spray to the ornamental plants listed below to minimize phytotoxicity.
- Limited testing of the ornamental plants listed below has shown phytotoxicity of up to 20% when FUSILADE II Turf and Ornamental herbicide is applied over-the-top at label rates. (Phytotoxicity can occur whenever spray comes in contact with the foliage, even during directed sprays.)

COMMON NAME / VARIETY	SCIENTIFIC NAME
Bamboo, Heavenly	<i>Nandina domestica</i>
Bottle-brush, Weeping	<i>Callistemon viminalis</i>
Bugle weed	<i>Ajuga variegata</i>
Cactus, Prickly pear	<i>Opuntia</i> sp.
Cats Claw, Yellow trumpet	<i>Begonia tweediana</i>
Ceanothus griseus	<i>Ceanothus griseus</i>
Cinquefoil, Spring	<i>Potentilla verna</i>
Columbine	<i>Aquilegia hybrida</i>
Cypress, Leyland	<i>Cupressocyparis leylandi</i>
Dracaena, Massangeana	<i>Dracaena fragans</i>
Dracaena, Tricolor	<i>Dracaena marginata</i>
Eureka	<i>Rhododendrum obtusum</i>
Fetterbush	<i>Leucothoe axillaris</i>
Fir, Fraser	<i>Abies fraser</i>
Gallery	<i>Gladiolus x hortulanus</i>
<i>Gamolepsis chrysanthemoides</i>	<i>Gamolepsis chrysanthemoides</i>
<i>Gazania ringens</i>	<i>Gazania ringens</i>
Grass, Green fountain	<i>Pennisetum sectaceum</i>
Grass, Mondo	<i>Ophiopogon japonicum</i>
Green carpet	<i>Herniaria glabra</i>
Guava, Pineapple	<i>Feijoa sellowiana</i>
Gum, Lemon-scented	<i>Eucalyptus citriodora</i>

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Honesuckle, Japanese	Lonicera japonica
Indica	Rhododendrum indicum
Juniper, Arcadia	Juniperus sabina
Juniper, Blue Pacific	Juniperus conferta
Juniper, Blue Rug	Juniperus horizontalis
Juniper, Broadmoor	Juniperus sabina
Juniper, Grey Owl	Juniperus virginiana
Juniper, Hughes	Juniperus horizontalis
Juniper, Maney	Juniperus chinensis
Juniper, Nana	Juniperus chinensis
Juniper, Old Gold	Juniperus chinensis
Juniper, Pathfinder	Juniperus scopulorum
Juniper, Pfitzeriana	Juniperus chinensis
Juniper, Prostrata	Juniperus chinensis
Juniper, Robdsta	Juniperus chinensis
Juniper, San Jose	Juniperus japonica
Juniper, Scandia	Juniperus sabina
Juniper, Skyrocket	Juniperus virginiana
Juniper, Spearmint	Juniperus chinensis
Juniper, Tamariseifolia	Juniperus sabina
Juniper, Variegata	Juniperus horizontalis
Juniper, Webberi	Juniperus horizontalis
Juniper, Welchii	Juniperus scopulorum
Juniper, Wiltonii	Juniperus horizontalis
Juniper, Youngtown Compacta	Juniperus horizontalis
Kurume	Rhododendrum obtusum
Lantana, White	Lantana montevidensis x
Lilac	Syringa chinensis
Maki	Podocarpus macrophyllus
Maple, Red	Acer rubrum
Oleander	Nerium oleander standard

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Oyster plant	Rhoeo spathacea
P.I.M.	Rhododendrum sp.
Philodendrum sp.	Philodendrum sp.
Plumeria, Temple Tree	Plumeria acuminata
Privet, Japanese	Ligustrum japonicum
Protea	Banksia prinites*
Protea	Banksia victoria*
Protea	Banksia speciosa*
Protea, Pincushion	Leucospermum cordifolium*
Ruelia	Ruelia ciliosa
Snowball, Chinese	Viburnum macrocephalum
Spirea, Vanhoutte	Spirea x vanhouteii
Star plant, Lavender	Grewia caffra
Sunglow	Rhododendrum obtusum
Tree, Strawberry	Arbustus unedo
Varigated ajuga	Ajuga reptans
Willow	Salix caroliniana

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TABLE III

DIRECTED APPLICATIONS

- When plant growth habit allows, applications should be made as a directed spray to the ornamental plants listed below to minimize phytotoxicity.
- Limited testing of the ornamental plants listed below has shown phytotoxicity of up to 50% when FUSILADE II Turf and Ornamental herbicide is applied over-the-top at label rates. (Phytotoxicity can occur whenever spray comes in contact with the foliage, even during directed sprays).

COMMON NAME VARIETY	SCIENTIFIC NAME
Acacia	Acacia latifolia
Acacia sweet	Acacia farnesiana
Bleeding heart	Dicentra spectabilis
Blueberry tifblue	Vaccinum achei
Bottle tree	Brachychiton populneum
Carrot wood	Cupaniopsis anacardioides
Cassia	Cassia condolioma
Cherry mazzard	Avium* prunum
Cordyline	Cordyline stricta
Coromandel	Asystasia gangetica
Croton chinese crenate	Exococaria cochichinensis
Desert broom	Baccharis sarothorides
Eucalyptus	Eucalyptus nicholii
Fiddlewood	Citharexylum spinosum
Hearts and flowers	Aptenia cordifolia
Hibiscus	Hibiscus lepenk
Ice plant white (trailing)	Mesembryanthemum delosperma alba
Ivy swedish	Plectranthus australis
Jade plant	Crassula argentea
Janet Craig/Warnecki	Dracaena deremensis
Juniper, Armstrongii	Juniperus chinensis
Juniper, Burkii	Juniperus virginiana
Juniper, Excelsa Strieta	Juniperus scopulorum

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COMMON NAME VARIETY	SCIENTIFIC NAME
Juniper, Spiny Greek	<i>Juniperus scopulorum</i>
Justicia red	<i>Odontonema strictum</i>
Kings crown	<i>Justicia carnea</i>
Knotweed pinkhead	<i>Polygonum capitatum</i>
Magnolia southern	<i>Magnolia gradiflora</i>
Pothos/Marble Queen	<i>Epipremnum aureum</i>
Primrose, mexican evening	<i>Oenothera berlandier</i>
Rhododendron, Formosa	<i>Rhododendron indicum</i>
Rhododendron, Hersey red	<i>Rhododendron obtusum</i>
Rhododendron, Hino pink	
Rhododendron, Hinodegeri	
Rhododendron, Karen	<i>Rhododendron poukhanensis</i>
Rubber plant baby	<i>Peperomia obtusifolia</i>
Shrimp plant	<i>Justicia brandegeana</i>
Shrimp plant yellow	<i>Pachystachys lutea</i>
Slipper flower	<i>Pedilanthus tithymaloides</i>
Sonoran palo verde	<i>Cercidium praecox</i>
Thunbergia laurel-leaved	<i>Thunbergia laurifolia</i>
Umbrella plant	<i>Cyperus alternifolius</i>
White shrimp plant	<i>Justicia betonia</i>

*Not applicable in California

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TABLE IV

DIRECTED APPLICATIONS

- When plant growth habit allows, applications should be made as a directed spray to the ornamental plants listed below to minimize phytotoxicity.
- Limited testing of the ornamental plants listed below has shown phytotoxicity greater than 50% when FUSILADE II Turf and Ornamental herbicide is applied over-the-top at label rates. (Phytotoxicity can occur whenever spray comes in contact with the foliage, even during directed sprays.)

COMMON NAME/VARIETY	SCIENTIFIC NAME
Birch river	Alsophia australis
Chandelier plant	Kalanchoe tubiflora
Compacta	Euonymus alata
Falsecypress boulevard	Chamaecyparis pisifera
Fern australia tree	Acalypha godsefeiana hertophylla
Grass pampas	Coptederia seloana
Juniper, Bar Harbor	Juniperus sp.
Juniper, Blue chip	Juniperus horizontalis
Juniper, Blue Haven	Juniperus scopulorum
Juniper, Prince of Wales	Juniperus sp.
Juniper, Sea green	Juniperus chinensis
Katherine Dykes	Physocarpus fruticosa
Lavender-scallops	Kalanchoe fedtschenkoi
Periwinkle madagascar	Catharanthus roseus
Purple heart	Setcreasea purpurea
Spider plant	Chlorophytum comosum
Wandering jew	Zebrina pendula

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~~NONAGRICULTURAL USES--NONCROP AREAS, ORNAMENTALS AND TURF~~
~~LANDSCAPE, ROADSIDE, INDUSTRIAL AND OTHER AREAS, ORNAMENTALS AND TURF~~

FUSILADE II Turf and Ornamental herbicide can be used to control annual and perennial grass weeds in noncrop areas. Noncrop areas include airports, cemeteries, electric transformer stations and sub-stations, pipeline pumping stations, around buildings, storage yards, fence lines, parkways, roadsides, rights-of-way, and similar noncropland areas. See Tables I - IV for specific recommended uses.

FUSILADE II Turf and Ornamental herbicide can be used to control annual and perennial grass weeds in many newly transplanted and established nongrassy ornamentals, trees, shrubs and ground covers. See Tables I - IV for specific recommended uses.

FUSILADE II Turf and Ornamental herbicide may also be used to suppress and eventually control some undesirable grasses in turf areas of golf courses and residential, commercial, public and industrial buildings.

SPOT TREATMENTS AND DIRECTED SPRAYS (NOT FOR USE ON DESIRABLE TURF)

Mix FUSILADE II Turf and Ornamental herbicide and a nonionic surfactant with water according to the amounts shown below. Spray to obtain thorough coverage, but do not spray to runoff. Retreat if necessary.

SPOT SPRAY RECOMMENDATIONS

To Make This Spray Volume	Add These Amounts	
	FUSILADE II Turf and Ornamental	Nonionic Surfactant
1 gallon	0.75 fl. oz.	1/2 fl. oz.
10 gallons	6.5 fl. oz.	3 fl. oz.
25 gallons	1 pint	1/2 pint
50 gallons	1 quart	1 pint

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. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Do not allow entry into treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is

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reason to believe that written warnings cannot be understood by workers. Warnings must include the following information:

CAUTION: Area treated with FUSILADE II Turf and Ornamental herbicide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure to pesticide spray, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If irritation persists, get medical attention.

GENERAL PRECAUTIONS FOR NONAGRICULTURAL USES IN NONCROP AREAS, ORNAMENTALS AND TURF

- FOR USE ONLY BY COMMERCIAL OR LICENSED APPLICATORS WHEN APPLICATIONS ARE TO BE MADE IN OR AROUND HOMES.
- Do not store FUSILADE II Turf and Ornamental herbicide in or around homes.
- Apply FUSILADE II Turf and Ornamental herbicide to actively growing grasses before they exceed the recommended growth stages in the Annual and Perennial Grass Weeds Growth Stage tables on Page ____.
- Spray to obtain thorough coverage of grass foliage, but not to runoff. Repeat treatments may be necessary to provide full season control.
- Use standard pesticide hollow cone or flat fan nozzles.
- Do not apply FUSILADE II Turf and Ornamental herbicide to grasses which are stressed due to moisture, temperature, low soil fertility, mechanical or chemical injury.
- Do not apply to foliage of ornamental plants, trees, shrubs or ground covers unless they are listed in Table I (OVER-THE-TOP APPLICATIONS).

APPLICATION RATES

NONCROP LANDSCAPE AREAS

Apply 16-24 oz. per acre of FUSILADE II Turf and Ornamental herbicide along with 0.25% (1/2 pint per 25 gallons) of a nonionic surfactant to annual and perennial grasses at the recommended growth stages in the tables on Page ____.

ORNAMENTALS

Apply 16-24 oz. per acre of FUSILADE II Turf and Ornamental herbicide along with 0.25% (1/2 pint per 25 gallons) of a nonionic surfactant. **DO NOT USE A CROP OIL CONCENTRATE WITH FUSILADE II Turf and Ornamental HERBICIDE ON ORNAMENTALS.** Refer to the weed tables on Page ____ for recommended growth stages of grasses at application.

FUSILADE II may be applied over the top or as a directed spray. Please refer to Table 1 for a list of ornamental species for which over the top application is appropriate. For species listed in Tables II-IV, directed spray applications are necessary to minimize phytotoxicity. However, there is the possibility of damage in the range listed for each table when applied at label rates.

NOTICE TO BUYER AND USER: It is impossible to test every species and variety or cultivar of ornamental or nursery plants under all conditions. Plant tolerance of pesticides vary as

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~~conditions vary. Plant tolerance of FUSILADE II Turf and Ornamental herbicide at label rates has been found to be acceptable within the ranges specified for the indicated genera and species. Neither the manufacturer nor the seller has determined whether or not FUSILADE II Turf and Ornamental herbicide can safely be used on plants not specified on this label. The professional user should determine if FUSILADE II Turf and Ornamental herbicide can be used safely prior to use.~~

~~ADDITIONAL GRASS WEED CONTROL~~

~~Overspray weeds WEED CONTROL IN DESIRABLE TURFGRASS..~~

~~To control Common Bermudagrass and Hybrid Bermudagrass, follow the directions below:~~

~~To control suppress and eventually For the suppression and/or control of Common Bermudagrass, and Hybrid Bermudagrass and other grass weeds in Zoysia and Tall Fescue. follow the directions below: Not for use on home lawns.~~

Keep off fescue in summer.

Apply 0.07-0.14 oz/1000 sq. ft. (3-6 oz per acre) along with 0.25% v/v (1/2 pint per 25 gallons) of a nonionic surfactant. Application should be made every 28 days when the grass weeds are actively growing. The higher rates may result in temporary discolorization of the desirable turf with recovery in 10-14 days. Do not apply to desirable turf which is under stress. For best results, make applications in spring and fall and avoid treatments during July and August.

Complete control of undesirable grass may take 1-2 growing seasons.

Over-spray Zoysia: Application should be made at a rate of 3 to 4 oz per acre with FUSILADE II Turf and Ornamental herbicide, and a nonionic surfactant. Applications should be made in late spring (around June 1) and repeated about every 28 to 30 days. Late-summer application can be reduced to 2 to 3 oz per acre as bermudagrass is preparing for dormancy. During hot summer weather the rates could be increased to 4 to 5 oz per acre. **Note:** The 5 oz rate could cause temporary turf discoloration.

Over-spray Tall Fescue: Application rate should be 5 to 6 oz per acre. Application should be made during warm weather in early spring (April, May) when bermudagrass is breaking dormancy. This should be repeated in fall (September/October) when bermudagrass is preparing for dormancy. Applications during the hot months of summer should be avoided. **Note:** This application will show slight discoloration to desirable turfgrass. Desirable grasses should recover within 10 to 14 days. Weather and cultural treatments can also effect applications. Use a minimum of 30 gallons of water per acre.

TANK MIX RECOMMENDATIONS NON-CROP AREAS - NON-SELECTIVE WEED CONTROL

FUSILADE II Turf & Ornamental Herbicide WITH REWARD® Landscape and Aquatic OR REWARD® LS Landscape Herbicide

FUSILADE II herbicide and REWARD herbicides may be applied together in a tankmix program for non-selective desiccation plus systemic control of grassy weeds.

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Apply 16-24 oz FUSILADE II herbicide with 16-32 oz REWARD Landscape and Aquatic or REWARD LS Landscape Herbicides per acre. Add 8-16 oz of a 75% or greater nonionic surfactant per 100 gallons of water.

Tankmix Precautions- FUSILADE II and REWARD Landscape and Aquatic or REWARD LS Landscape Herbicides

Use the full label rate of FUSILADE II herbicide.

Always add 8-16 oz of a 75% or greater nonionic surfactant per 100 gallons of water.

Due to the very fast desiccation of photosynthesizing plant tissue, REWARD herbicides may cause some antagonism of the activity of FUSILADE II herbicide, which must be translocated to cause its effect.

Application in the evening, at night, or under cloudy conditions will enhance translocation of FUSILADE II herbicide and increase systemic control.

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FUSILADE II TURF AND ORNAMENTAL HERBICIDE ANNUAL GRASS CONTROL GROWTH STAGES

Annual Grass Species

For best results, make applications when grasses are 2-8 inches tall, but before tillering and/or heading.

Barnyardgrass	Prairie cupgrass
Broadleaf signalgrass	Red Rice
Crabgrass, large	Shattercane/Wildcane/Volunteer milo
Crabgrass, smooth	Sorghum alnum
Crabgrass, southern	Southern sandbur
Crabgrass, tropical	Southwestern cupgrass
Fall panicum	Texas panicum
Field sandbur	Volunteer barley
Foxtail, giant	Volunteer corn
Foxtail, green	Volunteer oats
Foxtail, yellow	Volunteer rye
Goosegrass	Volunteer wheat
Guineagrass, seedling	Wild Oats
Itchgrass	Wild proso millet
Italian ryegrass	Witchgrass
Johnsongrass, seedling	Woolly cupgrass
Junglerice	

FUSILADE II TURF AND ORNAMENTAL HERBICIDE PERENNIAL GRASS CONTROL GROWTH STAGES

Perennial Grass Species	Growth Stage
Bermudagrass	4-8" runners
Guineagrass	6-12" tall before seedhead initiation
Kikuyugrass*	4-8" runners
Quackgrass	6-10"
Rhizome johnsongrass	8-18" tall and before boot stage
Forpedograss**	3-6" tall (1st application)
	2-3" tall (subsequent application)
Wirestem muhly	4-12" tall and before seedhead initiation

*Not for use in California on this species.

**Use 24 fl. oz. per acre per application. Up to three applications may be needed.

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APPENDIX

Scientific names are listed for those weeds referred to in the FUSILADE II Turf and Ornamental herbicide label. Annual and Perennial Grasses controlled by FUSILADE II Turf and Ornamental

COMMON NAME	SCIENTIFIC NAME	GROWTH STAGE (INCHES)
Barnyardgrass	Echinochloa crus-galli	2-8
Bermudagrass	Cynodon dactylon	4-8
Broadleaf signalgrass	Brachiaria platyphylla	2-8
Crabgrass, Large	Digitaria sanguinalis	2-8
Crabgrass, Smooth	Digitaria ischaemum	2-8
Crabgrass, Southern	Digitaria ciliaris	2-8
Crabgrass, Tropical	Digitaria bicornis	2-8
Downy brome	Bromus tectorum	2-8
Fall Panicum	Panicum dichotomiflorum	2-8
Field Sandbur	Cenchrus incertus	2-8
Foxtail, Giant	Setaria faberi	2-8
Foxtail, Green	Setaria viridis	2-8
Foxtail, Yellow	Setaria lutescens	2-8
Goosegrass	Eleusine indica	2-8
Guineagrass, seedling	Panicum maximum	6-12
Italian Ryegrass	Lolium multiflorum	2-8
Itchgrass	Rottboellia exaltata	2-8
Johnsongrass, Rhizome	Sorghum halepense	8-18
Johnsongrass, Seedling	Sorghum halepense	8-18
Junglerice	Echinochloa colonum	2-8
Kikuyugrass	Pennisetum clandestinum	4-8
Prairie cupgrass	Eriochloa contracta	2-8
Quackgrass	Agropyron repens	6-10
Rabbitfootgrass	Polypogon monspeliensis	2-8
Red Rice	Oryza sativa	2-8
Shattercane	Sorghum bicolor	2-8

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COMMON NAME	SCIENTIFIC NAME	GROWTH STAGE (INCHES)
Sorghum alnum	Sorghum alnum	2-8
Southern Sandbur	Cenchrus echinatus	2-8
Southwestern cupgrass	Eriochloa gracilis	2-8
Texas Panicum	Panicum texanum	2-8
Torpedograss	Panicum repens	3-10
Volunteer Cereals		
V. Barley	Hordeum vulgare	2-8
V. Corn	Zea mays	2-8
V. Milo	Sorghum bicolor	2-8
V. Oats	Avena sativa	2-8
V. Rye	Secale cereals	2-8
V. Wheat	Triticum aestivum	2-8
Wild Proso Millet	Panicum miliaceum	2-8
Witchgrass	Panicum capillare	2-8
Wild oats	Avena fatua	2-8
Wirestem muhly	Muhlenbergia frondosa	4-12
Witchgrass	Panicum capillare	2-8
Wooly cupgrass	Eriochloa villosa	2-8

Note: For best results, apply before tillering and/or herding.

*Not for use in California

**Use 24 oz/Acre per application up to three applications may be needed for complete control.

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CONVERSION TABLE			
FUSILADE II Turf and Ornamental Herbicide Rate to be Applied			
Lb. a.i./Acre	Pints/Acre	Fl. Oz./Acre	Acres/Gallon
		3	
		4	
		5	
0.094	3/8	6	21.3
0.125	1/2	8	16
0.156	5/8	10	12.8
0.188	3/4	12	10.7
0.250	1	16	8
0.375	1-1/2	24	5.3

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