

ORNAMEC® 170 GRASS HERBICIDE

Kills unwanted grasses in and around ornamental plants.

Spray ornamentals "over-the-top"

ACTIVE INGREDIENT:

Fluazifop-P-butyl: Butyl(<u>R</u>)-2-[4-[[5-(trifluoromethyl)-	
2-pyridinyl]oxy]phenoxy]propanoate	1.70%
OTHER INGREDIENTS:	98.30%
ΤΟΤΔΙ	100 00%

THIS PRODUCT CONTAINS:

0.125 lb. (+) isomer (fluazifop-P-butyl) per gallon. Contains petroleum distillates.

ORNAMEC® is a registered trademark of PBI-Gordon Corporation.

CAUTION

SHAKE WELL BEFORE USING



PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of barrier laminate or viton. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

First Aid		
If in eyes:	 Hold eye open and rinse slowly and gently wi water for 15-20 minutes. Remove contact lenses, if present, after the fir 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treament advice. 	
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.	
If swallowed:	 Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. 	

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

Note to Physician: Contains petroleum distillates – vomiting may cause aspiration pneumonia.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

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

Environmental Hazards

This product 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 and 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.

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

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

1. Product Description

Ornamec® 170 Grass Herbicide is a selective postemergence herbicide for control of annual and perennial grass weeds. Ornamec 170 Grass Herbicide does not control broadleaf weeds or sedges (nutgrass).

Control Symptoms – Ornamec 170 Grass Herbicide 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. Excellent control of a wide range of annual and perennial grass weeds will be obtained with Ornamec 170 Grass Herbicide when applied as directed on this label.

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 to three weeks, depending on grass weed species and environmental conditions.

Ornamec 170 Grass Herbicide can be used to control grass weeds in many newly transplanted and established ornamentals, trees, shrubs and groundcovers. Apply to actively growing grass weeds before they exceed the recommended growth stages shown below. See the following Tables 7 through 10 for specific uses.

Application of Ornamec 170 Grass Herbicide may be made over-the-top to ornamentals listed in Table 7. Over-the-top applications are defined as spray patterns delivered to the upper portions of the established ornamentals and target weeds. Use sufficient spray volumes to ensure a uniform distribution and complete spray coverage of the target weeds. Plants listed in Tables 8 through 10 should have a directed spray applied to prevent contact of spray with foliage. Directed spray applications are defined as spray patterns aimed or directed toward the lower portion of the established ornamentals, and this method of application will minimize the phytotoxicity of the desired species. If the growth habit of the plant or other factors do not allow a directed spray, an over-the-top application can be made to plants in Tables 6 though 8. However, there is the possibility of damage in the range listed for each table when applied at label rates. Do not apply to ornamentals that may be harvested for food within one year after application.

NOTICE TO BUYER AND USER: It is impossible to test every species and variety or cultivar of ornamental plants under all conditions. Plant tolerance of pesticides vary as conditions vary. Plant tolerance of Ornamec 170 Grass 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 Ornamec 170 Grass Herbicide can be used on plants not specified on this label. The user should determine if Ornamec 170 Grass Herbicide can be used prior to use.

2. Annual and Perennial Grass Control in Ornamentals, Trees, Shrubs, and Groundcovers

Not for use in vegetable gardens or on fruit-bearing trees and shrubs.

Spray to obtain thorough coverage of grass foliage, but not to the point of runoff. Do not apply Ornamec 170 Grass Herbicide if rainfall is expected within 1 hour. Repeat treatments may be necessary to provide full season control. Apply Ornamec 170 Grass Herbicide to actively growing grasses before they exceed growth stages specified in Tables 5 and 6. Apply Ornamec 170 Grass Herbicide when the first grass species in a mixed grass weed population reaches the specified growth stage for treatment.

Do not apply Ornamec 170 Grass Herbicide to grasses which are stressed due to moisture, temperature, low soil fertility, mechanical or chemical injury. Do not apply to grasses which have exceeded the specified growth stages (See Tables 5 and 6).

BROADCAST TREATMENTS: For annual grass species, use 6 to 9 fl.oz. of Ornamec 170 Grass Herbicide per 1,000 square feet. For perennial grass species, use 9 fl.oz. of Ornamec 170 Grass Herbicide per 1,000 square feet per application. Multiple applications will be needed.

The maximum amount of fluazifop-R-butyl per treated area per season is 1.1lb. a.i./acre per season (27 fl.oz./1000 sq.ft. per season).

SPOT TREATMENTS: Mix Ornamec 170 Grass Herbicide with water according to the amounts shown in the following chart. Spray to obtain thorough coverage, but do not spray to the point of runoff. Retreat if necessary.

Table 1: Spot Treatments in Ornamentals, Trees, Shrubs and Groundcovers		
To Make This Spray Volume	Add This Amount of Ornamec 170 Grass Herbicide	
24 fl.oz.	3.5 tablespoons	
32 fl.oz.	2.5 fl.oz. (5 tablespoons)	
1 gallon	10 fl.oz. (18 tablespoons)	
Equal measures: 1 fluid ounce (fl.oz.) = (tsp) and 8 fl.oz. = 1 cup	= 2 tablespoons (Tbs) = 6 teaspoons	

3. Bermudagrass Control in Zoysiagrass and Tall Fescue Turf

Ornamec 170 Grass Herbicide may be used to suppress and eventually control some undesirable grasses in turf areas. To control common bermudagrass and hybrid bermudagrass, follow the directions below:

Note: The application of this product may show slight discoloration to the desirable turfgrass. Symptoms are temporary and discoloration will subside. Do not apply to tall fescue turf unless injury can be tolerated. Weather and cultural treatments can also affect applications.

3.1 Bermudagrass Control in Zoysiagrass

For spot treatments of zoysiagrass with hand-operated sprayers: Begin applications in late spring (near June 1) as bermudagrass begins growth. Repeat applications at 30-day intervals throughout the summer until fall to continue the growth suppression of bermudagrass. Complete control may take 1 to 2 growing seasons.

Avoid applications to zoysiagrass under stress due to drought, temperature extremes, or chemical injury. Use hand-operated sprayers (back-pack sprayers, compression or pump-up sprayers, or tank type sprayers). Add 1.3 fl.oz. of product per 1 gallon of water to treat 1,000 square feet of turf. Additional spray preparations for zoysiagrass are presented in the following table:

Table 2: Spot Treatments for Bermudagrass Control in Zoysiagrass (at rate of one gallon per 1000 sq.ft. of turf)

Add This Amount Of Ornamec 170 Grass Herbicide

1 gallon
1.3 fl.oz. (8 tsp)
2 gallons
2.6 fl.oz. (16 tsp)
5 gallons
6.5 fl.oz. (40 tsp)

Equal measures: 1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs) = 6 teaspoons (tsp) and 8 fl.oz. = 1 cup

Allow time (up to 24 hours) for this product to be absorbed and translocated before mowing the treated area.

3.2 Bermudagrass Control in Tall Fescue

For spot treatments of tall fescue with hand-operated sprayers: Make applications in the spring and fall. Start applications after green up. Take care with applications to tall fescue during the summer months (July and August). Repeat in 14 to 21 day intervals if regrowth occurs. Complete control may take 1 to 2 growing seasons.

Avoid applications to tall fescue under stress due to drought, temperature extremes, or chemical injury. Use hand-operated sprayers (back-pack sprayers, compression or pump-up sprayers, or tank type sprayers). Add 2 fl.oz. of product per 1 gallon of water to treat each 1,000 square feet of turf. Additional spray preparations for tall fescue are presented in the following table:

Table 3: Spot Treatments for Bermudagrass Control in Tall Fescue (at rate of one gallon per 1000 sq.ft. of turf)

Add This Amount Of Ornamec 170 Grass Herbicide

1 gallon 2 fl.oz. (12 tsp)
2 gallons 4 fl.oz. (24 tsp)
5 gallons 10 fl.oz. (64 tsp)

Equal measures: 1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs) = 6 teaspoons (tsp) and 8 fl.oz. = 1 cup

Allow time (up to 24 hours) for this product to be absorbed and translocated before mowing the treated area. Wait 14 days before re-seeding treated areas of tall fescue.

Note: The application of this product may show slight discoloration to the desirable turfgrass. Symptoms are temporary and discoloration will subside. Do not apply to tall fescue turf unless injury can be tolerated. Weather and cultural treatments can also affect applications.

4. Dallisgrass Control in Tall Fescue

For spot treatments of tall fescue: Make a single application in the spring. Add 2 fl.oz. of Ornamec 170 Grass Herbicide per one gallon of water to treat 1,000 sq.ft. to control dallisgrass in tall fescue turf.

Note: The application of this product to tall fescue turf may show slight discoloration. Symptoms are temporary and discoloration will subside. Do not apply to tall fescue turf unless injury can be tolerated. Weather and cultural treatments can also affect applications. Use a minimum spray volume of 30 gallons of water per acre.

Application timing is critical and is determined by Growing Degree Days (GDD). GDD units are determined by the following calculation:

 $\frac{\text{Max daily temp (in °F)} + \text{Minimum daily temp (in °F)}}{2} - 50°F = \text{GDD}$

If the calculation is zero or a negative number, it is ignored. Add each day's GDD units beginning on January 1st. When your total reaches 270 to 360 GDD, apply the Ornamec 170 Grass Herbicide. Effective dallisgrass control will only be obtained in this GDD range.

Table 4: Ex	Table 4: Example of GDD Tracking					
Date	Max Temp	Min Temp	Average	Subtract 50	Daily GDD	Total GDD
Day 1	75	45	60	10	10	10
Day 2	65	45	55	5	5	15
Day 3	55	45	50	0	0	15
Day 4	65	45	55	5	5	20
Day 5	50	45	47.5	-2.5	-2.5	20

5. Grass Species Controlled

Table 5: Annual Grasses		
Grass Species	Growth Stage	
Barnyardgrass (Echinochloa crus-galli) Broadleaf signalgrass (Brachiaria platyphylla) Crabgrass, large (Digitaria sanguinalis) Crabgrass, smooth (Digitaria ischaemum) Crabgrass, southern (Digitaria ciliaris) Crabgrass, tropical (Digitaria bicornis) Downy brome (Bromus tectorum) Fall panicum (Panicum dichotomiflorum) Field sandbur (Cenchrus pauciflorus) Foxtail, giant (Setaria faberi) Foxtail, green (Setaria viridis) Foxtail, yellow (Setaria lutescens) Goosegrass (Eleusine indica) Italian Ryegrass (Lolium multiflorum)	2 to 8 inches tall, before tillering and/or heading.	

(Table 5 continued on next page)

Table 5 (cont.): Annual Grasses			
Grass Species	Growth Stage		
Itchgrass (Rottboellia exaltata) Johnsongrass, seedling (Sorghum halepense) Junglerice (Echinochloa contracta) Rabbitfootgrass (Polypogon monspeliersis) Red rice (Oryza sativa) Shattercane/Wildcane/Volunteer milo (Sorghum bicolor) Sorghum almum (Sorghum almum) Southern sandbur (Cenchrus echinatus) Southwestern cupgrass (Eriochloa gracilis) Texas panicum (Panicum texanum) Volunteer barley (Hordeum vulgare) Volunteer corn (Zea mays) Volunteer rye (Secale cereale) Volunteer wheat (Triticum aestivum) Wild oats (Avena fatua) Wild proso millet (Panicum milliaceum) Witchgrass (Panicum capillare) Woolly cupgrass (Eriochloa villosa)	2 to 8 inches tall, before tillering and/or heading.		
Kikuyugrass* (Pennisetum clandestinum) Prairie cupgrass (Eriochloa contracta)	4 to 8 inches tall, before tillering and/or heading.		

^{*}Not for use in California

Table 6: Perennial Grasses	
Grass Species	Growth Stage
Bermudagrass (Cynodon dactylon)	4 to 8 inch runners
Dallisgrass (Paspalum dilatatum)	270 to 360 GDD**
Guineagrass (Panicum maximum)	6 to 12 inches tall before seedhead initiation
Quackgrass (Agropyron repens)	6 to 10 inches
Rhizome johnsongrass (Sorghum halepense)	8 to 18 inches tall and before boot stage
Torpedograss*	3 to 10 inches tall (first application)
Torpedograss*	2 to 3 inches tall (subsequent application)
Wirestem muhly (Muhlenbergia frondosa)	4 to 12 inches tall before seedhead initiation
* Use 96 fluid ounces/acre/application. 3 appl ** See Dallisgrass section.	ications will be needed.

6. Ornamentals Which May Be Treated

Scientific Name	Common Name/Variety
Abelia grandiflora	Abelia, Glossy
Abies balsamea*	Fir, Balsam
Abies concolor	Fir, Concolor
Abies procera	Fir, Noble
Acacia redolens	Acacia, Ongerops
Acacia salacina	Acacia, Willow-leafed
Acacia saligna	Acacia, Willow
Acacia schafnerii	Acacia, Jim wheat
Acacia stenophylla	Acacia, Shoe-string
Acer ginnala*	Maple, Flame amur
Acer palmatum	Maple, Japanese
Acer platanoides	Maple, Norway
Acer saccharinum*	Maple, Silver
Acer saccharum	Maple, Sugar
Achillea filipendulina	Yarrow, Coronation Gold/ Fernleaf
Achillea millefolium	Yarrow, Common
Acrecastrum romanzoffianum	Palm, Queen
Agapanthus africanus	Lily of the Nile, Peter Pan
Agave americana	Century plant
Ageratum sp.	Ageratum, sp.
Aglanoema commutatum	Evergreen, Fransher; Silver queen; Treubii ribbo
Aglanoema crispum	Evergreen, Painted
Alcea rosea	Hollyhock

(Table 7 continued on next column)

Scientific Name	Common Name/Variety
Allium schoenoprasum	Chives
Aloe barbadensis	Aloe, Barbados
Aloe vera	Aloe vera
Aloe zanzibarica	Aloe zanzibarica
Alyssum sp.	Alyssum sp.
Antirrihinium majus*	Snapdragon, Yellow floral carpet
Araucaria heterophylla	Pine, Norfolk Island
Arctostaphylos uva-ursi	Bearberry, Red
Arctotheca calendula	Cape weed
Arenaria verna	Sandwort
Asparagus densiflorus	Asparagus, Myres; Asparagus, Sprenger, Sprengeri
Astilbe x arendsii	Spirea, False
Atriplex sp.	Saltbush
Aucuba japonica	Aucuba
Aucuba japonica variegata	Aucuba japonica variegata
Begonia Semperflorens cultoreum*	Begonia, Scarletta
Betula pendula*	Birch, Eastern white
Berberis mentorensis	Barberry, Mentor
Berberis thunbergii*	Barberry, Redleaf Japanese; Pygmy, Crimson
Bougainvillea sp.	Bougainvillea sp.
Buxus microphylla var. koreana	Boxwood, Korean
Buxus microphylla var. japonica	Boxwood, Japanese
Buxus sempervirens	Boxwood, Common; Welleri
Caesalpinia cacalaco	Cascalote
Caesalpinia gilliesii	Bird of Paradise
Calendula sp.	Marigold
Callistemon lanceolatus	Bottle-brush
Calluna vulgaris	Heather, Scotch
Camellia japonica	Camellia
Camellia sasanqua	Camellia, Sasanqua
Campanula carpatica	Bellflower
Carissa grandiflora	Plum, Natal
Carissa tuttlei	Carissa tuttlei
Carnegiea gijantea	Cactus, Saguaro
Carpobrotus chilensis*	Fig, Trailing hottentot
Cassia artemisiodes	Cassia, Feathery
Cassia didymobotrya	Cassia, African
Cassia sturtii	Senna
Celtis occidentalis*	Hackberry Ducty miller
Centaurea cineraria	Centaurea, Dusty miller
Cerastium tomentosum	Cerastium, Snow in Summer
Ceratonia siliqua Cercis canadiensis	Ceratonia, Carob tree
Chaenomeles speciosa*	Cercis, Red bud Quince, Flowering
<u>'</u>	Cypress, Allum lawson
Chamaecyparis lawsoniana	
Chamaecyparis obtusa	Cypress, Cripps hinoki false Plumosa
Chamaecyparis pisifera Chamaerops excelsa	Palm, Windmill
Chamaerops exceisa Chamaerops humilis	Pairii, Williumiii Palm, Mediterranean fan
Chrysalidocarpus lutescens	Palm, Golden fruited (small)
	Daisy, Shasta
Chrysanthemum x superbum Cissus rhombifloia	
Cistus hybridus	lvy, Ellen Danica, grape Rose, Rock
Cistus nybridus Citrus aurantium	
Citrus aurantium Citrus paradise	Orange, Sour Grapefruit
Clerodendrum speciosum	Pagoda flower
ororouonurum speciosum	Cleyera

(Table 7 continued on next page)

(Use only a nonionic surfactant)

Scientific Name

Fraxinus velutina

Gazania splendens

Geijera parviflora

Geranium pratense

Gladiolus x hortulanus

Graptophyllum pictum

Grevillea robusta Grevillea rosmarinifolia

Hedera canariensis

Hedera helix

Gleditsia triancanthos var. inermis

Fraxinus pensylvanica*

Gardenia jasminoides Gardenia taitensis

Gazania uniflora leucolaena

Gelsemium sempervirens

Scientific Name	Common Name/Variety
Clivia miniata	Lily, Kaffir
Cocos plumose	Palm, Queen
Codiaeum variegatum	Croton
Coffea Arabica	Coffee
Coleus x hybridus*	Coleus, Jade wizard
Convolvulus oneorum	Morningglory, Bush
Coprosma baueri	Mirror plant
Coprosma repens	Mirror plant, Variegated
Cordyline terminalis	Ti plant
Coreopsis verticillata	Coreopsis, Threadleaf
Cornus florida	Dogwood, Flowering
Cornus mas	Dogwood, Cornelia cherry
Cornus sericea	Dogwood, Flaviramea; Red twig
Cotoneaster apiculata	Cotoneaster apiculata
Cotoneaster dammeri	Cotoneaster, Coral beauty; Royal beauty
Cotoneaster divaricatus	Cotoneaster, Spreading
Cotoneaster microphyllus	Cotoneaster
Cotoneaster repens	Cotoneaster
Cotoneaster salicifolius franch	Cotoneaster, Willowleaf
Crossandra nilotica	Crossandra
Cupressus sempervirens	Cypress, Italian
Cycus revolute	Palm, Sago
Deutzia gracilis	Deutzia, Slender
Dianthus barbatus	Dianthus, Sweet William
Dieffenbachia amoena	Dumbcane, Giant
Diervilla Ionicera	Honeysuckle, Bush
Dodonea viscosa purplurea	Purple Hopseed Bush
Echinocactus sp.	Cactus, Hedgehog
Elaeagnus angustifolia	Olive, Russian
Encelia farinose	Bittle bush
Erythrina fusca	Erythrina, Fastadiata; Swamp immortella
Escallonia fradessii	Escallonia fradessii
Escallonia rubra	Escallonia rubra
Eucalyptus microtheca	Coolibah, Gum-barked
Eucalyptus polyanthemos	Gum, Red box
Eucalyptus rostrata	Gum, Red
Eucalyptus rudis	Gum, Desert
Eucalyptus spathulata	Gimlet, Narrow-leaf
Eugenia myrtifolia	Brush cherry
Euonymus alata	Euonymus, Siebold
Euonymus fortunei	Euonymus forunei
Euonymus japonica	Euonymus, Silver King
Euonymus kiautschovicus	Euonymus, Spreading
Euphorbia lacteal	Candelabra plant
Euryops pectinatus	Euryops
Fatshedera lizei	Fatshedera
Ferocactus sp.	Cactus, Barrel
Ficus benjamina	Fig, Exotica weeping
Ficus elastica decora	Rubber tree
Ficus macrocarpa nitiida	Laurel, Indian
Ficus nitida 	Laurel, Indian
Ficus repens	Fig, Creeping
Forsythia intermedia	Forsythia intermedia
Forsythia sp.	Forsythia sp.
Forsythia suspensa	Forsythia, Weeping
Fouquieria splendens	Ocotillo
Fragaria chiloensis	Strawberry, Ornamental

	Hedera helix hahnii	Ivy, Hahn's
	Hemerocallis hybrids	Daylily
	Hemigraphis sp.	Waffle plant/Metallic plant
	Hesperaloe parviflora	Hesperaloe parviflora
	Hibiscus rosa-sinensis	Hibiscus, Chinese
	Hibiscus syriacus	Hibiscus, Althea
	Hosta lancifolia	Hosta, Variegated
	Hydrangea paniculata	Hydrangea, Panicle
	Hydrangea quercifolia	Hydrangea, Oakleaf
	Iberis sempervirens	Iberis, Candytuff
	Ilex cornuta	Holly, Dwarf buford
	Ilex crenata	Holly, Japanese
	llex glabra	Inkberry, Compact
	llex opaca	Holly, American
1	Ilex vomitoria	Yaupon, Dwarf yaupon / Tall
	Ilex x attenuata	Holly, Fosteri
	Ilex x meserveae	Holly, Meserve
	Iris sp.	Iris
	Isotoma sp.	Blue Star Creeper
	Ixora coccinea	Ixora
	Jacaranda acutifolia	Jacaranda
	Jacobinia ghiesbreghtiana	Water willow
	Juniperus chinensis	Blue point, Blue vase juniper, Gold coast juniper, Gold tip, Hetzi, Hollywood, Juniper, Keteleeri, Nicks compact juniper, Parsoni, Sargent juniper, Torulosa
	Juniperus conferta	Shore juniper
	Juniperus horizontalis*	Juniper, Admiral
	Juniperus procumbens	Juniper
	Juniperus sabina	Pepin, Skandia, Buffalo, Juniper
	Juniperus scopulorum	Juniper, Cologreen
	Juniperus virginiana	Juniper, Red cedar
	Justicia spicigera	Indigo, Firecracker, Mexican
	Kochia scoparia f. trychophylla	Burningbush, Compact
	Koelreuteria paniculata*	Golden-rain tree; Varnish tree
	Lagerstroemia indica	Myrtle, Crepe
	Lantana camara	Lantana, Bush
	Lantana sellowiana	Lantana, Purple (trailing)
	Leptospermum laevigatum	Australian tea tree
	Leucophyllum frutescens	Sage, Texas
	Liatris spicata	Gay feather
	Ligustrum amurense	Ligustrum, Amur River
	Ligustrum lucidum	Ligustrum, Wax
		(Table 7 continued on next page

 Table 7 (cont.).
 Over-The-Top Applications may be applied to the following ornamentals

Ash, Green

Ash, Arizona Gardenia, Dwarf

Gardenia, Tahitian

Gazania gold rush

Willow, Australia

Caricature plant
Oak, Silk

Spider flower

Ivy, Algerian Ivy, English

Cranesbill

Jessamine, Carolina

Gazania uniflora leucoleana

Honey locust/Shade master

Gladiolus, Debbie; Jennie; Mahogany; Stargazer

Common Name/Variety

(Table 7 continued on next column)

cientific Name	Common Name/Variety
igustrum ovalifolium	Ligustrum, Privel/California
igustrum texanum	Ligustrum, Texas privet
igustrum x Vicari	Ligustrum, Vicari
iquidambar styraciflua	Sweetgum, American
iriope muscari	Liriope, Green/Variegated
iriope spicata	Liriope
ivistona chinenis	Palm, Chinese fan
onicera x morrowii	Honeysuckle, Marrow
onicera xylosteum	Emerald mound
ysiloma thornberii	Fern, Desert tree
ysimachia nummularia	Sally, Moneywort/ Wandering
lagnolia grandiflora	Magnolia, Southern
lagnolia stellata	Magnolia, Star
lahonia aquifolium	Mahonia
lahonia wagoneri*	Mahonia, King's Ransom
lalus floribunda	Crabapple, Showy
lesembryanthemum	Ice plant, Rose
rosanhemum hispidum	100 piani, 11000
lesembryanthemum rosanhemum productus	Ice plant, Purple trailing
lesembryanthemum lampranthus pectabilis	Ice plant, Red spike
letrosideros excelsus	New Zealand Christmas tree
lusa maurelli	Banana, Ethiopia
lyoporum parvifolium	Myoporum, Prostrate
lyrica cerifera	Myrtle, Wax
ephrolepsis exaltata	Fern, Sword
erium oleander	Oleander, Pink/ Variegated/ Petite
docanthus sp.	Odocanthus sp.
lea europaea	Olive tree
Ineya tesota	Ironwood
puntia Cholla	Cactus, Cholla
smanthus fragrans	Osmanthus, tea olive
steospermum fruticosum alba	Daisy, White africans
achysandra terminalis	Pachysandra, Japanese
arkinsonia aculeate	Palo Verde, green
assiflora pfordtii	Passion vine
elargonium domesticum	Geranium
elargonium peltatum	Geranium, Ivy
elargonium x hortorum*	Geranium, Smash hit red
ennisetum setaceum	Red fountain grass
eperomia scandens	Radiator plant
etunia sp.	Petunia
hiladelphus coronarius	Aurea
hilodendron oxycardium	Philodendron, "Micans" velvetleaf
hilodendron selloum	Philodendron selloum
hoenix canariensis	Palm, Canary Island date
hoenix roebelenii	Palm, Pygmy date
hotinia x fraseri	Photinia
hyllostachys aurea	Phyllostachys, Golden bamboo
hysocarpus fruticosa	Physocarpus, Abbotswood/ Gold drop/ Jackmanni
hysocarpus opulifolius	Physocarpus, Dwarf ninebark/ Nanus
icea abies	Spruce, Norway
icea glauca	Spruce Dwarf Alberta / Black Hills/ Densata
icea omorika	Spruce, Serbian
icea pungens	Spruce, Blue
ieris japonica	Lily-of-the-Valley Bush
ilea nummularifolia	Creeping Charlie

Scientific Name	Common Name/Variety
Pinus canariensis	Pine, Canary Island
Pinus clause*	Pine, Sand
Pinus echinata*	Pine, Shortleaf
Pinus elliottii*	Pine, Slash
Pinus glabra*	Pine, Spruce
Pinus mugo	Pine, Dwarf Swiss mountain
Pinus nigra	Pine, Australian/ Black
Pinus palustris*	Pine, Longleaf
Pinus ponderosa	Pine, Ponderosa/ Western
Pinus pungens*	Pine, Table-Mountain
Pinus resinosa	Pine, Red
Pinus rigids*	Pine, Pitch
Pinus serotina*	Pine, Pond
Pinus strobiformus	Pine, Mexican border
Pinus strobes	Pine, Eastern white
Pinus sylvestris	Pine, Scotch
Pinus taeda*	Pine, Loblolly
Pinus virginiana	Pine, Virginia
Pittosporum phillyraeoides	Willow, Desert
Pittosporum Tobira	Willow, Wheelers dwarf, variegated
Platanus sp.*	Sycamore
Plumbago capensis	Plumbago, Cane
Podocarpus gracilior	Pine, African Fern
Podocarpus macrophylla	Pine, Yew
Polygonum capitatum	Clover, Pink
Polyscias fruticosa	Panax, Parsley
Polystichum capense	Fern, Shield
Portulaca grandiflora* Potentilla fructose	Portulaca, Sunglo Gold drop, Primrose beauty
Potentilla verna	Potentilla verna
Prosopis chilensis	Mesquite, Chilean
Protea compacts*	Protea
Protea cynaroides	Protea, Giant/ King
Protea eximia*	Protea
Protea nerifolia*	Protea, Oleander-leaved
Protea repens*	Protea
Prunus caroliniana compacta	Carolina cherry
Prunus trialoba	Almond, Flowering
Pseuderanthemum atropurpureum	Eranthemum, Purple false
Pseudotsuga menziesii	Fir, Douglas
Pyracanta koidzumii	Pyrancanths, Lodense
Pyracantha angustifolia	Firethorn, Variegated
Pyracantha coccinea	Firethorn, Scarlet; Lalandei
Pyracantha graberi	Firethorn
Pyracantha koidzumii x coccinea	Firethorn, Mojave
Pyrus calleryana	Pear, Bradford
Quercus palustris*	Oak, Pin
Quercus virginiana	Oak, Line
Raphiolepis indica	Pink lady
Raphiolepis umbellate	Hawthorn, Yedda/Indian
Rhamnus frangula	Buckthorn, Tallhedge
Rheullia california	Rhuellia californica
Rhododendron "Gable Hybrid"	Gable Hybrid
Rhododendron catawbiense	Chionoides, Elizabeth Gable, Less dark purple, Purple elegans, Purple spendor, Rose Greeley, Roseum elegans, Roseum superbum, White catawba
Rhododendron formosa	Rhododendron
*	Rhondodendron, Amoenum/ Coral Bells

(Table 7 continued on next page)

Scientific Name	Common Name/Variety
Rhododendron sp.	Blaauw's pink, Boule de neige, Delaware Valley white, Delaware Valley white, Fashio, Gerard's Rose, Gibraltar, Gloria, Greeting, Gumpo pink, Gumpo white, H.H. Hume, Hahm red, Herbert, Hino red, Kaempo, Kluis sensation, Masasoit, Mother's day, Pericat, Pink pearl, President Lincoln, Prize, Purple gem, Red ruffle, Red win Road runner, Rosebud, Royalty, Rutherfordiana Constances, Salmon spray, Snow, Stewartstonian, Sweetheart, Tabor, Tradition, White cascade
Rhododendron yedoense	Korean azalea/Poukhanense
Rhus aromatic	Sumac, Fragrant
Rhus lancea	Sumac, African standard
Rosa banksiae	Banksia
Rosa hybrida	Rose, Hybrid tea
Rosa sp.	Rose
Rosmarinus officinalis prostrates	Rosemary dwarf
Runohra adiantiformis	Fern, Leatherleaf
Salix alba	Willow, white Willow, weeping
Salix babylonia* Salix matsudana	Willow, Weeping Willow, Tortuosa corkscrew
Salix matsudana Salix purpurea*	Willow, Basket / Purple
Salvia greggi	Sage, Autumn's
Sansevieria sp.	Moon glow
Sansevieria trifasciata	Hahnii/Mother-in-law's tongue
Santolina chamaecy parissus	Lavender cotton
Schefflera arboricola	Manila ripple
Schinus molle	California pepper tree
Schinus terebinthifolius	Pepper, Brazilian
Sedum brevifolium	Green stone crop
Sedum guatemalense	Brown bean
Sedum spectabile	Sedum
Sedum x rubrotinctum	Sedum
Sempervivum tectorum	Hen and chickens
Simmiondsia chinensii	Jojoba
Sophora japonica*	Pagoda tree
Sorbus americana*	Ash, American Mountain
Spiraea japonica*	Spirea, Coccinea
Spiraea nipponica	Spirea, Snowmound
Spiraea thenbergii	Spirea, Thunberg
Spiraea x billiardii	Spirea, Billard
Spiraea x bumalda	Spirea, Anthony Waterer / Crispa / Froebelii / Gold Flame
Statice sinuate	Statice, Annual
Stenocarpus sinuatus	Firewheel tree
Strelitzia nicolai	Bird of Paradise, Giant
Strelitzia reginae	Bird of Paradise Palibin
Syringa meyeri Syringa patula	Lilac, Korean
Syringa villosa	Lilac, James McFarlane
Syzgium paniculatum	Australian bush cherry
Tagetes sp.	Marigold
Taxus cuspidata	Yes, Japanese
Taxus x media	Yew, Dense / Hicks / Thayeri
Tecoma stans angustate	Yellow bells
Tecomaria capensis	Honeysuckle, Cape
Ternstroemia gymnanthera	Cleyera
Thevetia peruviana	Yellow oleander tree
Thuja occidentalis	Emerald green, Globosa, Pyramidalis, Techny, Techny American arborvitae, white cedar, Woodwardii

(Table 7 continued on next column)

Table 7 (cont.). Over-The-Top Applications may be applied to the following ornamentals (Use only a nonionic surfactant) Scientific Name Common Name/Variety Thuja orientalis Berkman's Tilia cordata* Linden, Little-leaf Trachelospermum asiaticum Jasmine, Asiatic Trachelospermum jasminoides Jasmine, Star Trifolium fragiferum Legume, O'Conners Tsuga canadensis Hemlock, Eastern Viburnum dentatum Viburnum, Arrowwood Viburnum japonicum Viburnum, Japanese snowball Viburnum lantana* Lantana, Twistwood; Wayfaring tree Viburnum lentago* Lentago, Nannyberry Viburnum odoratissium Viburnum Viburnum opulus Viburnum, Nanum Viburnum plicatum Viburnum, Doublefile / tomentosum Viburnum suspensum Viburnum, Spandankwa Viburnum trilobum Viburnum, Compact cranberrybush Viburnum x juddii Viburnum, Judd Viburnum x rhytidophylloides Viburnum, Willowwood Crown Vetch Vicia sp. Vinca major Periwinkle Vinca minor Periwinkle, Myrtle/ dwarf Washingtonia robusta Palm. Mexican fan Weigelia, Newport red / Pink Weigela florida Xylosma senticosa Xylosma Yucca filamentosa Yucca Yucca gloriosa Yucca, Spanish dagger

Yucca pendula

Zinnia sp.

Table 8. Directed applications minimize the foliar injury of the ornamentals shown in the list below. When possible and plant growth habit allows, applications should be made as a directed spray to the plants listed below. Limited testing of the same plants has shown phytotoxicity of up to 20% when Ornamec 170 Grass Herbicide is applied over-the-top at label rates.

Zinnia

Yucca, Weeping dagger

Scientific Name	Common Name/Variety
Abies fraseri	Fir, Fraser
Acer rubrum	Maple, Red
Ajuga variegate	Bugle weed
Ajuga reptans	Variegated ajuga
Aquilegia hybrid	Columbine
Arbutus unedo	Strawberry tree
Banksia prinotes*	Protea
Banksia victoria*	Protea
Banksia speciosa*	Protea
Begonia tweediana	Cats claw, Yellow trumpet
Callistemon viminalis	Bottle-brush, Weeping
Ceonothus griseus	Carmel Ceanothus, Carmel creeper, Yankee Point
Cupressocyparis leylandii	Cypress, Leyland
Dracaena fragans	Dracaena, Massangeana
Dracaena marginata	Dracaena, Tricolor
Eucalyptus citriodora	Gum, Lemon-scented
Feijoa sellowiana	Guava, Pineapple
Gamolepsis chrysanthemoides	Daisy, African bush
Gazania ringens	Daisy, African; Treasure flowers
Gladiolus x hortulanus	Gallery
Grewia caffra	Star plant, Lavender
Herniaria glabra	Green carpet
Juniperus chinensis	Juniper, Maney; Nana; Old Gold; Pfitzeriana; Prostrata; Robdsta; Spearmint

(Table 8 continued on next page)

^{*}Not applicable in California

Table 8 (cont.). Directed applications minimize the foliar injury of the ornamentals shown in the list below. When possible and plant growth habit allows, applications should be made as a directed spray to the plants listed below. Limited testing of the same plants has shown phytotoxicity of up to 20% when Ornamec 170 Grass Herbicide is applied over-the-top at label rates.

The state of the s	
Scientific Name	Common Name/Variety
Juniperus conferta	Juniper, Blue Pacific
Juniperus horizontalis	Juniper, Blue Rug; Hughes; Variegata; Webberi; Wiltonii; Youngtown Compacta
Juniperus japonica	Juniper, San Jose
Juniperus sabina	Juniper, Arcadia; Broadmoor; Scandia; Tamariseifolia
Juniperus scopulorum	Juniper, Pathfinder; Welchii
Juniperus virginiana	Juniper, Grey Owl; Skyrocket
Lantana montevidensis	Lantana, White
Leucospermum cordifolium*	Protea, Pincushion
Leucothoe axillaris	Fetterbush
Ligustrum japonicum	Privet, Japanese
Lonicera japonica	Honeysuckle, Japanese
Nandina domestica	Bamboo, Heavenly
Nerium oleander standard	Oleander
Ophiopogon japonicum	Grass, Mondo
Opuntia sp.	Cactus, Prickly pear
Pennisetum setaceum	Grass, Fountain
Philodendron sp.	Philodendron
Plumeria acuminata	Plumeria, Temple tree
Podocarpus macrophyllus	Maki
Potentilla verna	Cinquefoil, Spring
Rhododendron indicum	Indica
Rhododendron obtusum	Eureka; Kurume; Sunglow
Rhododendron sp.	PJM
Rhoeo spathacea	Oyster plant
Ruellia ciliosa	Ruellia
Salix caroliniana	Willow
Spiraea x vanhoutteii	Spirea, Vanhoutte
Syringa chinensis	Lilac
Viburnum macrocephalum	Snowball, Chinese

^{*}Not applicable in California

Table 9. Directed applications minimize the foliar injury of the ornamentals shown in the list below. When possible and plant growth habit allows, applications should be made as a directed spray to the plants listed below. Limited testing of the same plants has shown phytotoxicity of up to 50% when Ornamec 170 Grass Herbicide is applied over-the-top at label rates.

Scientific Name	Common Name/Variety
Acacia farnesiana	Acacia, sweet
Acacia latifolia	Acacia
Aptenia cordifolia	Hearts and flowers
Asystasia gangetica	Coromandel
Avium* prunum	Cherry mazzard
Baccharis sarothroides	Desert broom
Brachychiton populneus	Bottle tree
Cassia condolioma	Cassia
Cercidium praecox	Sonoran palo verde
Citharexylum spinosum	Fiddlewood
Cordyline stricta	Cordyline
Cupaniopsis anacardioides	Carrot wood
Crassula argentea	Jade plant
Cyperus alternifolius	Umbrella plant
Dicentra spectabilis	Bleeding heart
Dracaena deremensis	Janet Craig/Warneckii
Epipremnum aureum	Pothos; Marble Queen
Eucalyptus nicholii	Eucalyptus
Exococaria cochichinensis	Croton, Chinese crenate

(Table 9 continued on next column)

Table 9 (cont.). Directed applications minimize the foliar injury of the ornamentals shown in the list below. When possible and plant growth habit allows, applications should be made as a directed spray to the plants listed below. Limited testing of the same plants has shown phytotoxicity of up to 50% when Ornamec 170 Grass Herbicide is applied over-the-top at label rates.

is applied over the top at labor lates.		
Scientific Name	Common Name/Variety	
Hibiscus lepenk	Hibiscus	
Juniperus chinensis	Juniper, Armstrongii	
Juniperus scopulorum	Juniper, Excelsa Strieta; Spiny Greek	
Juniperus virginiana	Juniper, Burkii	
Justicia betonia	Shrimp plant, white	
Justicia brandegeana	Shrimp plant	
Justicia carnea	Kings crown	
Magnolia grandiflora	Magnolia, southern	
Mesembryanthemum delosperma alba	Ice Plant, White (trailing)	
Odontonema strictum	Cardinal guard; Firespike; Scarlet flame	
Oenothera berlandieri	Primrose, Mexican evening	
Pachystachys lutea	Shrimp plant, yellow	
Pedilanthus tithymaloides	Slipper flower	
Peperomia obtusifolia	Rubber plant, baby	
Plectranthus australis	Ivy, Swedish	
Polygonum capitatum	Knotweed, pinkhead	
Rhododendron indicum	Formosa	
Rhododendron obtusum	Hersey red, Hino pink, Hinodegeri	
Rhododendron poukhanense	Karen	
Rhus aromatica	Fragrant sumac	
Thunbergia laurifolia	Thunbergia, laurel-leaved	
Vaccinium achei	Blueberry, Tifblue	

^{*}Not applicable in California

Table 10. Directed applications minimize the foliar injury of the ornamentals shown in the list below. When possible and plant growth habit allows, applications should be made as a directed spray to the plants listed below. Limited testing of the same plants has shown phytotoxicity greater than 50% when Ornamec 170 Grass Herbicide is applied over-the-top at label rates.

Scientific Name	Common Name/Variety
Acalypha godseffiana hertophylla	Fern, Australia tree
Alsophia australis	Birch, river
Betula nigra	Birch/River
Catharanthus roseus	Periwinkle, Madagascar
Chamaecyparis pisifera	Falsecypress, boulevard
Chlorophytum comosum	Spider plant
Cortederia selloana	Grass, Pampas
Euonymus alata	Compacta
Juniperus chinesis	Juniper, Sea green
Juniperus horizontalis	Juniper, blue chip
Juniperus scopulorum	Juniper, blue heaven
Juniperus spp.	Juniper, bar harbor; Prince of Wales
Kalanchoe fedtschenkoi	Lavender-scallops
Kalanchoe tubiflora	Chandelier plant
Physocarpus fruticosa	Katherine Dykes
Rhododendron obtusum	Hinocrimson
Setcreasea purpurea	Purple heart
Zebrina pendula	Wandering Jew

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE 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.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, 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.

Triple rinse or pressure rinse container (or equivalent) 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 1/4 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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