

Isoxaben 75 WG

Contains isoxaben, the active ingredient used in Gallery® 75 Dry Flowable.

Quali-Pro Isoxaben 75 WG is not manufactured or distributed by Dow AgroSciences LLC.

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ACTIVE INGREDIENT:

% BY WT.

Contains 0.75 lb active ingredient per pound. EPA Reg. No. 66222-218

EPA Est. No. 53883-TX-002

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes eye irritation. Harmful if inhaled. Avoid ingestion, breathing dust or spray mist, and contact with skin, eyes, or clothing.

For additional First Aid, precautionary, handling, and use statements, see inside of this booklet.

Manufactured for:

Makhteshim Agan of North America, Inc.

3120 Highwoods Blvd, Suite 100

Raleigh, NC 27609

Net Weight: 1 Pound



EPA 121310/Notif 050911/Rev G

A preemergence herbicide for control of certain broadleaf weeds in:

- Established Turfgrass
- · Landscape Ornamentals
- Container-Grown Ornamentals
- Field-Grown Ornamentals · Groundcovers/Perennials
- · Ornamental Bulbs · Non-Bearing Fruit and Nut Trees and
 - Non-Bearing Vineyards

· Non-Cropland

Christmas Tree/Conifer Plantations

	FIRST AID
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
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 INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Have the product of	ontainer or label with you when calling a poison control cen-

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ter or doctor or going for treatment. You may also contact PROSAR at 1-877-

250-9291 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes eye irritation. Harmful if inhaled. Avoid ingestion, breathing dust or spray mist, and contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- · long-sleeved shirt and long pants
- · shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift may result in reduced germination or emergence of non-target plants adjacent to treated area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Read all **DIRECTIONS FOR USE** carefully before applying.

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

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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
- · waterproof gloves
- · shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

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

Entry Restrictions for Non-WPS Uses: When this product is applied to turf and ornamental plantings in landscape settings and non-cropland areas, do not allow entry into treated areas until sprays have dried unless wearing coveralls, water-proof gloves, and shoes plus socks.

PRODUCT INFORMATION

Quali-Pro® Isoxaben 75 WG specialty herbicide is a preemergence product for control of certain broadleaf weeds in established turfgrass, landscape ornamentals, container-grown ornamentals, field-grown ornamentals, groundcovers/perennials, ornamental bulbs, non-bearing fruit and nut trees, and non-bearing vineyards, Christmas tree/conifer plantations, and non-cropland areas. Apply Quali-Pro Isoxaben 75 WG in late summer to early fall, in early spring, or any time prior to germination of target weeds, or immediately after cultivation.

State Specific Restrictions:

The state of Arizona has not approved this product for use on agricultural commodities.
 If grown for commercial production, use on the following sites/crops is prohibited: container-grown field ornamentals, field-grown ornamentals, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards, and Christmas tree/conifer plantations.

USE PRECAUTIONS AND RESTRICTIONS

Quali-Pro Isoxaben 75 WG controls weeds germinating from seed. Quali-Pro Isoxaben 75 WG does not control established weeds, or weeds growing from stolons, rhizomes, or root pieces. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings, and trash should be removed or thoroughly mixed into the soil prior to application. Soil in non-turfgrass areas should be in good condition and free of clods at the time of application. Quali-Pro Isoxaben 75 WG is stable on the soil surface for up to 21 days, but must be incorporated by moisture to be effective. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation after application is necessary to activate Quali-Pro Isoxaben 75 WG. If Quali-Pro Isoxaben 75 WG is not activated by rainfall or irrigation within 21 days after application, erratic weed control may result. In non-turfgrass areas, if weeds emerge due to lack of rainfall or irrigation, shallow cultivation to a depth of 1 to 2 inches will incorporate the herbicide and destroy existing weeds.

Treatment of Turfgrass or Ornamental Species Not Listed on the Label for Quali-Pro Isoxaben 75 WG:

Although this label contains a large number of ornamental species, it is not possible to include all of the ornamental plants that may be encountered in nursery or landscape settings. Users who wish to use Quali-Pro Isoxaben 75 WG on a plant species not listed on this label may determine the suitability for such use by treating a small area or small number of plants at a specified rate. Prior to treatment of larger areas, the treated area/plants should be observed for any sign of herbicidal injury during 30 to 60 days of typical growing conditions. The user assumes the responsibility for any plant damage or other liability resulting from use of Quali-Pro Isoxaben 75 WG on species not specified on this label.

Chemigation: Do not apply Quali-Pro Isoxaben 75 WG through any type of irrigation system.

Not for sale, use, or distribution in the state of New York.

APPLICATION DIRECTIONS

Apply Quali-Pro Isoxaben 75 WG with a properly calibrated low-pressure herbicide sprayer that provides uniform spray distribution. Nozzle screens should be no finer than 50 mesh (50 mesh is finer than 16 mesh). In-line screens and strainers should be no finer than 16 mesh. Apply Quali-Pro Isoxaben 75 WG in 10 gallons or more of water carrier per acre. As the spray volume decreases, the importance of accurate calibration and uniform application increases. Take precautions to avoid spray drift when applying Quali-Pro Isoxaben 75 WG. Drift may result in reduced germination or emergence of non-target plants adjacent to the treated area. Maintain agitation from mixing through application. Avoid boom overlaps that will increase rates above those specified. Calibrate application equipment prior to use according to manufacturer's directions. Check calibration frequently to be sure equipment is working properly and distributing spray uniformly.

MIXING DIRECTIONS

Quali-Pro Isoxaben 75 WG - Alone

Check to be sure spray equipment is clean and not contaminated with other herbicides. Using clean water, fill the tank to 1/2 of the final volume required and start agitation. Slowly add the required quantity of Quali-Pro Isoxaben 75 WG to the spray tank, continue agitation, and complete filling the tank. Maintain agitation during filling and throughout application. Agitation should be sufficient to create a rippling or rolling action on the liquid surface. Sparger pipe agitation generally provides the best agitation. In-line screens and strainers should be no finer than 16 mesh.

If spraying and agitation is stopped, Quali-Pro Isoxaben 75 WG may settle to the bottom of the spray tank. If settling occurs, material must be resuspended before continuing spray application. Clean the spray tank, lines, and screens thoroughly after use.

Application Rate Conversion Table for Quali-Pro Isoxaben 75 WG

b per acre	oz per 1000 sq ft	grams per 1000 sq
0.66	0.25	7.0
1.00	0.38	10.5
1.33	0.50	14.0

Repeat applications at 1 lb or more per acre of Quali-Pro Isoxaben 75 WG should not be made sooner than 60 days after a previous application of Quali-Pro Isoxaben 75 WG. Do not apply more than a total of 4 lbs of Quali-Pro Isoxaben 75 WG per acre within a 12-month period.

Quali-Pro Isoxaben 75 WG - Tank Mix

Quali-Pro Isoxaben 75 WG may be applied in tank mix combination with labeled rates of other products provided: (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; (2) tank mixing with Quali-Pro Isoxaben 75 WG is not prohibited by the label of the tank mix product; and (3) the tank mix combination is compatible as determined by a "jar test" described in the Tank Mix Compatibility Testing section below.

Add Quali-Pro Isoxaben 75 WG to the spray tank as described above and fill the spray tank to 3/4 of the final volume required. Add other formulations in this order: (1) other dry flowables; (2) wettable powders; (3) aqueous suspensions; (4) flowables; (5) liquids; and (6) solutions and emulsifiable or liquid concentrates. Allow two to three minutes between the addition of each product and agitate continuously until the product(s) is completely dispersed in water. Maintain agitation during filling and through application. If a buildup of materials is observed on the walls of the spray tank, wash the tank with soapy water between fillings, rinse, and then continue the spraying operation. Follow label directions for each material added to the tank.

Tank Mix Compatibility Testing: Use a jar test prior to tank mixing to ensure compatibility of Quali-Pro Isoxaben 75 WG and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls up, forms flakes, sludges, gels, oily films, or layers, or other precipitates, it is not compatible, and the tank mix combination should not be used.

WEEDS CONTROLLED OR SUPPRESSED

Weeds controlled when applied at 0.66 lb per acre

(0.25 oz or 7 grams per 1000 sq ft):

Common Name Scientific Name

aster, slender Symphyotrichum divaricatum bursage, annual Ambrosia acanthicarpa

burweed, lawn Soliva sessilis

celery, wild Cyclospermum leptophyllum chickweed common Stellaria media

clover, white Trifolium repens

cudweed, purple Gnaphalium purpureum fiddleneck, coast Amsinckia menziesii yar, intermedia

filaree. redstem Erodium cicutarium

fleabane, blackleaved Conyza bonariensis

fleabane, dwarf Conyza ramosissima

groundcherry, lanceleaf Physalis angulata
henbit Lamium amplexicaule
horseweed Convza canadensis

horseweed Conyza canadensis
knotweed, prostrate Polygonum aviculare
lambsquarters, common Chenopodium album
mallow, little Malva paviflora

mallow, little Malva parviflora mustard, Indian Brassica juncea mustard, wild Sinapis arvensis nightshade, black Solanum nigrum

pepperweed, Virginia Lepidium virginicum pigweed Amaranthus spp.

pineappleweed Matricaria discoidea plantain, slender Plantago heterophylla

purslane, common Portulaca oleracea radish, wild Raphanus raphanistrum

ragweed, common Ambrosia artemisiifolia rocket. London Sisvmbrium irio

shepherdspurse Capsella bursa-pastoris sibara Sibara virginica

smartweed. Pennsylvania Polyaonum pensylvanicum

sowthistle, annual Sonchus oleraceus

speedwell, purslane telegraphplant thistle. Bussian Veronica peregrina Heterotheca grandiflora Salsola tragus

Weeds controlled when applied at 1 lb per acre (0.38 oz. or 10.5 grams per 1000 sq ft):

Common Name Scientific Name

aster, heath bittercress, little bittercress, hairy

brassbuttons, southern

carrot, wild

chickweed mouseear

dandelion

eclipta galinsoga, hairy geranium. Carolina

ladysthumb lettuce, prickly

mallow, common

marestail (see horseweed) Mayweed, chamomile

morningglory, ivyleaf mustard, black pennywort plantain, bracted plantain, broadleaf plantain, buckhorn pokeweed, common rockpurslane, redmaids

sida, prickly sorrell, red

speedwell, thymeleaf spurge, hyssop spurge, spotted Symphyotrichum ericoides Cardamine oligosperma

Cardamine hirsuta Cotula australis

Daucus carota Phyllanthus urinaria

Cerastium fontamum spp. vulgare

Taraxacum officinale Eclipta prostrata

Galinsoga quadriradiata Geranium carolinianum Polygonum persicaria

Lactuca serriola Malva neglecta

Anthemis cotula

Ipomoea hederacea Brassica nigra Hvdrocotyle spp.

Plantago aristata Plantago major Plantago lanceolata

Sida spinosa

Phytolacca americana Calandrinia ciliata

Rumex acetosella Veronica serpyllifolia Chamaesyce hyssopifolia

Chamaesyce maculata

sweetclover, vellow tansymustard, green woodsorrel, vellow

Melilotus officinalis

Descurainia pinnata spp. brachycarpa

Ovalis stricta

Weeds controlled when applied at 1.33 lbs per acre (0.5 oz or 14 grams per 1000 sg ft)

Common Name Scientific Name

burclover California dogfennel

eveningprimrose fescue rattail filaree, whitestem goosefoot, nettleleaf aroundsel, common iimsonweed

knotweed, silversheath

kochia medic, black mullein, turkey nettle, burning oxtonaue, bristly pimpernel, scarlet sowthistle, spiny

spurge, petty spurge, prostrate sunflower swinecress thistle, musk

willoweed, panicle woodsorrel, creeping Medicago polymorpha Eupatorium capillifolium

Oenothera spp. Vulpia mvuros Frodium moschatum Chenopodium murale Senecio vulgaris

Datura stramonium Polygonum argyrocoleon

Kochia scoparia Medicago lupulina Croton setigerus Urtica urens Picris echioides Anagallis arvensis Sonchus asper Euphorbia peplus

Chamaesyce humistrata Helianthus spp.

Coronopus didymus Carduus nutans

Epilobium brachycarpum Oxalis corniculata

Weeds partially controlled or suppressed when applied at 1.33 lbs per acre (0.5 oz or 14 grams per 1000 sg ft):

Common Name bindweed, field carpetweed dock, curly

Scientific Name Convolvulus arvensis Mollugo verticillata Rumex crispus

mallow, Venice milkweed, honeyvine morningglory, tall pusley. Florida Hibiscus trionum Cynanchum laeve Ipomoea purpurea Richardia scahra

Established Turfgrass

Use Quali-Pro Isoxaben 75 WG as a preemergence treatment for control of certain broadleaf weeds in established cool-season and warm-season turforass.

Apply Quali-Pro Isoxaben 75 WG any time prior to germination of target weeds.

Note: Refer to the PRODUCT INFORMATION section of this label for Use Precautions and Restrictions and information on mixing and application, application rates, and weeds controlled prior to using this product.

Specific Use Precautions and Restrictions for Turfgrasses:

Apply Quali-Pro Isoxaben 75 WG to newly seeded turfgrass (including overseeded turfgrass) **only** after seedlings are established (three leaf stage and tillering) and well rooted. Do not overseed established turfgrass sooner than 60 days following an application of Quali-Pro Isoxaben 75 WG.

- Do not apply Quali-Pro Isoxaben 75 WG to golf course putting greens.
- · Do not apply Quali-Pro Isoxaben 75 WG to dichondra.
- · Do not apply Quali-Pro Isoxaben 75 WG to turfgrass grown for seed.

Tank Mixing

Quali-Pro Isoxaben 75 WG may be tank mixed with Quali-Pro Dithiopyr 40 WSB or Quali-Pro Prodiamine herbicides and applied as a preemergence treatment to broaden the spectrum of annual grass and broadleaf weed control. Quali-Pro Isoxaben 75 WG may also be applied as a separate treatment to supplement the effectiveness of granular pre-emergent grass control herbicides in cool- and warm-season turfgrass. Quali-Pro Isoxaben 75 WG may be tank mixed with postemergence broadleaf herbicides registered for use on established turfgrass to control existing broadleaf weeds to provide residual preemergence broadleaf weed control. Applied as directed, Quali-Pro Isoxaben 75 WG in tank mix with other products registered for use on turfgrass will provide control of susceptible weed species listed on the respective labels. When using Quali-Pro Isoxaben 75 WG in tank mix combinations with other products, read and follow all applicable use directions, precau-

tions, and limitations on the respective product labels. Refer to instructions for **Quali-Pro Isoxaben 75 WG - Tank Mix** in the **MIXING DIRECTIONS** section.

Use Quali-Pro Isoxaben 75 WG on the following turfgrass species:

Established Cool-Season Turfgrass

Common Name Scientific Name bentgrass, creeping Agrostis stolonifera bentgrass, colonial Agrostis tenuis bluecrass, Kentucky Poa pratensis

fescue, chewing Festuca rubra var, commutata

fescue, creeping red Festuca rubra fescue. sheeps Festuca ovina

fescue, tall Festuca arundinaceae

ryegrass, perennial Lolium perenne

Established Warm-Season Turfgrass*

Common Name Scientific Name

bahiagrass Paspalum notatum
bermudagrass Cynodon dactylon
buffalograss Buchloe dactyloides
centipedegrass Eremochloa ophiuroides
fescue tall Festura anundinaceae

(growing in warm-season areas)

St. Augustinegrass Stenotaphrum secundatum

zoysiagrass Zoysia japonica zoysiagrass Zoysia tenuifolia

*Sprigged Warm-Season Turfgrass: Use Quali-Pro Isoxaben 75 WG post-sprigging as a preemergence treatment for control of certain broadleaf weeds in warm-season turfgrass. Apply anytime after sprigging in the following turfgrass species: bermudagrass, bahiagrass, St. Augustinegrass, centipedegrass, and buffalograss. Do not apply more than 1 lb per acre of Quali-Pro Isoxaben 75 WG during the establishment phase for newly sprigged warm-season turfgrass. Do not apply Quali-Pro Isoxaben 75 WG to varieties of dwarf-type bermudagrass or to any turfgrass species being sprigged on golf course tees or greens.

Ornamental Plantings and Non-Bearing Fruit and Nut Trees and Non-Bearing Vineyards

Use Quali-Pro Isoxaben 75 WG as a preemergence treatment for control of certain broadleaf weeds in landscape ornamentals, container-grown ornamentals, field-grown ornamentals, groundcovers/perennials, and non-bearing fruit and nut trees, and non-bearing vinevards.

Apply Quali-Pro Isoxaben 75 WG any time prior to germination of target weeds, or immediately after cultivation.

Note: Refer to the PRODUCT INFORMATION section of this label for Use Precautions and Restrictions and information on mixing and application, application rates, and weeds controlled prior to using this product.

Specific Use Precautions and Restrictions for Ornamental Plantings:

To avoid possible plant injury, do not apply Quali-Pro Isoxaben 75 WG to:

- Nursery, forest, or Christmas tree: seedling beds, cutting beds, or transplant beds
- Unrooted liners or cuttings that have been planted in pots for the first time
- · Pots less than six inches wide
- · Groundcovers until they are established and well rooted
- Bedding plants or areas where bedding plants will be planted or transplanted within one year after application

Do not apply Quali-Pro Isoxaben 75 WG to newly transplanted ornamentals, nursery stock, ground covers, ornamental bulbs, non-bearing fruit and nut trees, or non-bearing vineyards until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present, or plant injury may occur.

Applications of Quali-Pro Isoxaben 75 WG over the top of plants with newly forming buds may cause injury. Possible plant injury may be avoided by application as a directed spray to the soil surface beneath ornamental plants.

When planting into a site treated with Quali-Pro Isoxaben 75 WG in the past 8 months, use untreated soil as fill around roots when replacing plants, or injury may occur.

Note: Injury to certain ornamental plants has been observed following application

of Quali-Pro Isoxaben 75 WG. To avoid plant injury, do not use Quali-Pro Isoxaben 75 WG for weed control in the following ornamental plant species:

Scientific Name

Ajuga spp.
Brassica spp.

Echinacea purpurea

Euonymus alatus 'Compacta'

Euphorbia spp. Hydrangea spp.

Hydrangea sp Iberis spp.

Juniperus horizontalis 'Prince of Wales'

Melaleuca quinquenervia Bhododendron caroliniaum

Rhododendron catawbiense

'Roseum elegans'

Sedum spp. Yucca recurvifolia Common Name

bugleweed or ajuga

mustard

dwarf burning bush spurge

hydrangea candvtuft

Prince of Wales juniper

cajeput tree

Carolina rhododendron

roseum elegans rhododendron

stonecrop green vucca

Tank Mixing

Quali-Pro Isoxaben 75 WG may be tank mixed with Quali-Pro Glyphosate T&O or other postemergence herbicides registered for control of existing unwanted vegetation in ornamental plantings and non-bearing fruit and nut trees and non-bearing vineyards, and to provide residual preemergence broadleaf weed control. Quali-Pro Isoxaben 75 WG may also be tank mixed with Quali-Pro Dithiopyr 40 WSB and applied preemergence to provide broad-spectrum control of annual grasses and broadleaf weeds in ornamental areas and non-bearing fruit and nut trees and non-bearing vineyards. Applied as directed, tank mixes of Quali-Pro Isoxaben 75 WG will provide control of susceptible weed species listed on the respective labels. When using Quali-Pro Isoxaben 75 WG in tank mix combination with other products, read and follow all applicable use directions, precautions, and limitations on the respective product labels. Refer to instructions for Quali-Pro Isoxaben 75 WG - Tank Mix in the MIXING DIRECTIONS section.

Note: Do not apply sprays containing Quali-Pro Glyphosate T&O over the top of ornamental plants. Extreme care must be exercised to prevent contact of sprays containing Quali-Pro Glyphosate T&O with foliage or stems of turfgrass, trees, shrubs, or other desirable vegetation since severe damage or death may result. If spraying Quali-Pro Glyphosate T&O in areas adjacent to desirable plants, use a shield to prevent spray from contacting foliage or stems of desirable plants.

Use Quali-Pro Isoxaben 75 WG in the culture of the following established plant species:

(Note: limitations on treatment methods)

Trees

Scientific Name	Common Name	Treatment Method: C = Container Grown; F = Field Grown
Abies balsamea	Fir, balsam	C,F
Abies concolor	Fir, white or concolor	F
Abutilon hybridum	Albus-flowering maple	C,F
	Luteus-flowering maple	C,F
	Roseus-flowering maple	C,F
	Tangerine-flowering maple	C,F
	Vesuvius red-flowering maple	F
Acer ginnala	Flame maple	F
Acer rubrum	Red maple	F
	Red sunset maple	F
Acer saccharinum	Silver maple	C,F
Acoelorrhaphe whrightii	Everglades palm	C,F
Albizia julibrissin	Silk tree	C,F
Alsophila australis	Australian tree fern	C,F
Archontophoenix cunninghamiana	King palm	C,F
Areacastrum romanzoffianum	Queen palm	C,F
Araucaria heterophylla	Norfolk island pine	C,F
Bauhinia galpinii	Red bauhinia	C,F
Betula nigra	River birch	C,F
Betula papyrifera	Paper birch	F
Betula pendula	European white birch	C,F
Brachychiton populneus	Bottle tree	C,F
Bucida buceras	Black olive	F
Ceratonia siliqua	Carob	F

Cercis canadensis	Redbud	C.F
Chamaecyparis obtusa	Filicoides-fernspray cypress	F.
Опатаесурана обща	Gracilis-slender Hinoki cypress	F
Chamasaynavia nisifaya		F
Chamaecyparis pisifera	Sawara-false cypress	
	Squarrosa-moss cypress	F F
Chamaedorea cataractarum	Cat palm	
	Palm	C,F
Chamaedorea costaricana	Palm	C,F
Chamaedorea elegans	Parlor palm	C,F
Chamaerops humilis	Mediterranean fan palm	C,F
Cornus florida	Cloud nine dogwood	C,F
	Dogwood, flowering	C,F
Cornus kousa	Kousa dogwood	C,F
Crataegus viridis	Green hawthorn	F
Cryptomeria japonica	Japanese cryptomeria	C.F
Cupaniopsis anacardioides	Carrot wood	F
Cupressocyparis leylandii 'Emerald Isle'	Emerald Isle leyland cypress	C.F
Cupressocyparis leylandii 'Naylor's Blue'	Naylor's Blue leyland cypress	C,F
Cupressus ariz 'Blue Pyramid'	Blue Pyramid Cypress	C,F
Cupressus arizonicus or glabra	Arizona cypress	F
Cupressus sempervirens	Italian cypress	C,F
Cupressus sempervirens 'Glauca'	Glauca Italian cypress	C,F
Cycas revoluta	Sago palm	C,F
Elaeagnus angustifolia	Russian olive	C.F
Elaeagnus x ebbengei 'Gilt edge'	Gilt edge elaegnus	C.F
Eucalyptus camaldulensis	Red gum eucalyptus	F
Eucalyptus cinerea	Eucalyptus, mealy	F
Zasarypias sinorea	Silver dollar eucalyptus	F.
Eucalyptus microtheca	Coolibah tree	C.F
Eucalyptus sideroxylon	Eucalyptus, red ironbark	F
Fagus sylvatica	European beech	C.F
Ficus benjamina	Ficus	C.F
1 1000 Dongamma	Mini ficus	C.F
Fraxinus udhei	Shamel ash	C.F
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Ginkgo biloba	Ginkgo (Maidenhair tree)	F
Gleditsia triacanthos var. inermis	Thornless honey locust	F
	Shademaster honey locust	F
Heteromeles arbutiflora	Toyon	F
Illicium floridanum	Florida anise-tree	C,F
Juniperus virginiana	Eastern redcedar	C,F
Leptospermum scoparium	New Zealand tea tree	C,F
	Ruby glow New Zealand tea tree	F
Liquidambar styraciflua	Sweetgum, American	F
Magnolia grandiflora	Magnolia, southern	C,F
Magnolia soulangeana	Saucer magnolia	C,F
Magnolia stellata	Royal star magnolia	C,F
Malus sargentii	Crabapple non-bearing	C,F
Morus alba	White mulberry	F
Musa aluminata	Banana	C,F
Oxydendrum arboreum	Sourwood	C,F
Picea abies	Pendula-weeping Norway spruce	C,F
	Repens-spreading Norway spruce	C,F
	Norway spruce	C,F
Picea glauca	White spruce	C,F
Picea glauca 'Conica'	Dwarf alberta spruce	F
Picea pungens	Colorado spruce	C,F
Picea pungens 'Glauca'	Colorado blue spruce	C,F
Picea pungens 'Hoopsia'	Hoopsi blue spruce	C,F
Picea pungens "Koster'	Koster blue spruce	F
Pinus aristata	Bristlecone pine	F
Pinus canariensis	Canary Island pine	F
Pinus contorta	Shore pine, beach pine	F
Pinus eldarica	Eldarica pine	C,F
Pinus leucodermis	Bosnian pine	C,F
Pinus mugo var. pumilio	Pumilio mugo pine	C,F
Pinus nigra	Austrian black pine	C,F
Pinus radiata	Monterey pine	F
Pinus strobus	Eastern white pine	C,F
	White pine	C,F
Pinus sylvestris	Columnar Scotch pine	C,F
-	Scotch pine	C,F
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Pinus thunbergii	Japanese black pine	C,F
Platanus occidentalis	American sycamore	F
Platanus racemosa	California sycamore	F
Podocarpus spp.	Podocarpus	F
Populus deltoides	Cottonwood	F
Prosopis chilensis	Chilean mesquite	C,F
Prunus yedoensis	Yoshino flowering cherry	F
Prunus caroliniana	Carolina laurel cherry	C,F
	Bright 'n tight Carolina laurel cherry	C,F
Prunus laurocerasus	English laurel	C,F
Quercus ilicifolia	Bear oak	F
Quercus palustris	Pin oak	F
Quercus phellos	Willow oak	C,F
Quercus rubra	Red oak	C,F
Quercus virginiana	Live oak	C,F
Ravenea rivularis	Majesty palm	C,F
Salix babylonica	Babylon weeping willow	F
Salix matsudana "Torulosa"	Corkscrew willow	F
Sequoiadendron giganteum	Giant sequoia	F
Sequoia sempervirens	Coast redwood	C,F
Swietenia mahogani	Mahogany	F
Syagrus romanzoffianum	Queen palm	C,F
Tabebuia caraiba	Yellow tab	F
Trachycarpus fortunei	Windmill palm	C,F
Tsuga canadensis	Eastern hemlock	C,F
Ulmus parvifolia	Chinese elm	F
Washingtonia robusta	California fan palm	C,F
	Mexican fan palm	F
Zamia furfuracea	Cardboard palm	C,F

Shrubs

Scientific Name	Common Name	Treatment Method: C = Container Grown; F = Field Grown
Abelia x grandiflora	Edward Goucher abelia	C,F
	Glossy abelia	C,F
	Sunrise variegated abelia	C,F
Acacia abyssinica	Abyssinica acacia	C,F
Acacia redolens	Acacia, prostrate	C,F
Acacia stenophylla	Shoestring acacia	C,F
Acalypha wilkesiana	Copper leaf	C,F
Acer ginnala	Amur maple	C,F
Acer palmatum	Coral bark Japanese maple	C,F
•	Dwarf Japanese maple	C,F
Agave americana	Century plant	F
Amelanchier alnifolia	Saskatoon serviceberry	C,F
Andromeda polifolia	Bog rosemary	C,F
Anisodontea hypomandarum	Cape mallow	C,F
Arctostaphlos uva-ursi	Bearberry	C,F
Ardisia japonica	Chirimen marlberry	C,F
Armeria maritima 'Bloodstone'	Bloodstone sea thrift	C,F
Artemesia lactiflora	White mugwort	C,F
Athyrium nipponimcum	Japanese painted fern	C,F
Aucuba japonica 'Goldstrike'	Japanese laurel	•
Baccharis pilularis	Coyotebush	F
Berberis x gladwynensii	William Penn barberry	C,F
Berberis mentorensis	Mentor barberry	C,F
Berberis thunbergii 'Aurea'	Golden Japanese barberry	F
Berberis thunbergii var. atropurpurea		
'Crimson Pyamy'	Crimson pygmy barberry	C.F
Berberis thunbergii var. atropurpurea		-,
'Rose Glow'	Rose glow red barberry	C,F
Berberis thunbergii var. atropurpurea	Redleaf Japanese barberry	F
Berberis thunbergii var. atropurpurea		
'Cherry Bomb'	Cherry bomb barberry	C,F
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Bougainvillea spp.	Barbara Karst	C.F
9	California gold	C.F
	Pink pixie	C.F
	Scarlet O'Hara	C.F
	Temple fire	C.F
	Texas dawn	C.F
Bougainvillea 'Purple Queen'	Purple Queen bougainvillea	C,F
Bougainvillea 'Rosenka'	Rosenka bougainvillea	C,F
Buxus microphylla var. japonica	,	•
'Green Beauty'	Green Beauty boxwood	C,F
Buxus microphylla var. japonica	Japanese littleleaf boxwood	F
Buxus microphylla var. Koreana	Korean boxwood	F
Buxus sempervirens	Boxwood, common	C,F
Buxus x 'Green velvet'	Green velvet boxwood	C,F
Callistemon citrinus	Lemon bottlebrush	F
Callistemon citrinus 'Little John'	Little John lemon bottlebrush	C,F
Callistemon viminalis	Weeping bottlebrush	C,F
Calluna vulgaris	Spring torch Scotch heather	C,F
Camellia japonica	Camellia	C,F
Caryopteris clandonensis	Blue mist bluebeard	C,F
Caryopteris x clandonen 'Blk night'	Dark knight bluebeard	C,F
Cassia artemisioides	Feathery cassia	C,F
Cassia, eremophila	Senna	C,F
Ceanothus spp.	Wild lilac	F
Cephalotaxus harringtonia var. drupacae	Japanese plum yew	C,F
Cerastium tomentosum	Snow-in-summer	C,F
Ceratostigma plumbaginoides	Dwarf plumbago	C,F
Ceratosigma willmottianum	Chinese plumbago	C,F
Chaenomeles japonica	Orange flowering quince	C,F
Chamaecyparis obtusa	Kosteri cypress	C,F
	Nana-dwarf Hinoki cypress	C,F
	Torulosa cypress	C,F
Chamaecyparis pisifera	Baileyi-dogwood	F
	Flaviramea-dogwood	F
	Sawara-false cypress	F
	Squarrosa minima cypress	C,F
	Filifera-thread cypress	C,F
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Chrysalidocarpus lutescens	Areca palm	F
Clethra alnifolia	Summersweet	C,F
Cleyera japonica	Japanese cleyera	C,F
Colonema pulchrum	Pink breath of heaven	C,F
Convolvulus cneorum	Bush morningglory	C,F
Convolvulus mauritanicus	Ground morningglory	C,F
Cornus alba	Sibirica-Siberian dogwood	C,F
Cornus sericea	Baileyi-redosier dogwood	F
	Flaviramea-yellowtwig dogwood	F
Corylus Americanus 'Contorta'	Harry Lauder's walking stick	C,F
Cotinus coggygria	Royal purple smoke tree	C,F
Cotinus dammeri	Coral beauty smoke tree	C,F
	Eichholz smoke tree	C,F
Cotoneaster adpressus	Praecox-early cotoneaster	C,F
Cotoneaster apiculatus	Cranberry cotoneaster	C,F
Cotoneaster congestus	Pyrenees cotoneaster	C,F
Cotoneaster dammeri	Bearberry cotoneaster	C,F
Cotoneaster himalayan	Himalayan cotoneaster	C,F
Cotoneaster horizontalis	Rock cotoneaster	C,F
Cycas revoluta	Sago palm	C,F
Cyrtomium fortunei	Holly fern	C,F
Cytisus praecox	Hollandia-warminster broom	C,F
Cytisus scoparius	Lena-Scotch broom	C,F
Cytisus spp.	Holandia-Scotch broom	F
	Allgold warminster broom	C,F
	Lilac time broom	C,F
Dalea greggii	Trailing indigo bush	C,F
Daphne cneorum	Rose daphne	C,F
Daphne odora	Fragrant daphne	C,F
Deutzia crenata	Nakiana-dwarf deutzia	C,F
Deutzia gracilis	Slender gracilis	C,F
Dodonea viscosa	Hopseed bush	F
Enkianthus companulatus	Red-veined enkianthus	C,F
Elaeagnus pungens	Fruitland silver berry	C,F
Erica cinerea	Purple bell heather	C,F
Erica vagans	Cornish heather	C,F
Erica x darleyensa	Mediterranean pink heather	C,F

Escalonia spp.	Escallonia	C,F
Eugenia myrtifolia	Teenie genie brushcherry	C,F
Eugenia myrtifolia 'Globulus'	Dwarf brush cherry	C,F
Euonymus fortunei	Canadale gold euonymus	C,F
	Emerald 'n gold euonymus	F
	Sunspot euonymus	C,F
Euonymus japonica	Silver king euonymus	F
	Chollipo euonymus	C,F
	Gold spot euonymus	C,F
	Silver princess euonymus	C,F
	Variegated evergreen euonymus	C,F
Euonymus kiautschovicus	Spreading euonymus	C,F
Euonymus kiautschovicus 'Manhattan'	Manhattan euonymus	C,F
Euonymus vegetus	Bigleaf wintercreeper	C,F
Fatsia japonica	Japanese aralia	C,F
Felicia amelloides	Blue marguerite	C,F
Forsythia x intermedia	Forsythia, border	C,F
Forsythia x 'Spring glory'	Spring glory forsythia	C,F
Fuchsia x 'Santa Claus'	Santa Claus fuchsia	C,F
Gardenia jasminoides	August beauty gardenia	C,F
	Gardenia	C,F
	Miniature gardenia	C,F
	Radican gardenia	C,F
Gaultheria procumbens	Wintergreen	C,F
Gaultheria shallon	Salal/lemon leal	C,F
Gelsemium sempervirens	Carolina jessamine	C,F
Genista pilosa	Woadwaxen	C,F
Hamamelis virginiana	Common witch hazel	C,F
Hardenbergia violacea	Lilac vine	C,F
Hebe buxifolia	Boxleaf hebe	C,F
Hibiscus rosa-sinensis	Ross Estey-hibiscus	C,F
Hibiscus syriacus	Rose of Sharon, red bird	C,F
	Rose of Sharon, red heart	F
	Rose of Sharon, woodbridge	C,F
Ilex aquifolium	Balkans English holly	F
	Gold coast English holly	F
Ilex x aquipernyi	San Jose holly	C,F

llex x attenuata	Savannah holly	C,F
llex cassine	Cassine holly	C,F
llex cornuta	Burford holly	C,F
	Dwarf burford holly	C,F
	Needle point holly	C,F
	Chinese holly	
llex crenata	Compacta-dwarf Japanese holly	C,F
	Convexa holly	C,F
	Dwarf Chinese holly	C,F
	Green luster holly	C,F
	Helleri-Heller's Japanese holly	C,F
	Hetzii's Japanese holly	C,F
llex crenata 'Steeds'	Steeds Japanese holly	C,F
	Stokesii Japanese holly	C,F
llex glabra	Compacta-compact inkberry holly	C,F
	Nordica-inkberry holly	C,F
llex x meserveae	Blue boy holly	C,F
	Blue girl holly	C,F
	China boy holly	C,F
	China girl holly	C,F
	Ebony magic holly	F
llex x 'Nellie Stevens'	Nellie R. Stevens holly	C,F
llex opaca	American holly	C,F
llex vomitoria	Nana-dwarf yaupon holly	C,F
	Pendula-weeping yaupon holly	C,F
	Yaupon holly	C,F
Illicium annisatum	Mystery gardenia	C,F
Itea virginica	Henry's garnet sweetspire	C,F
Ixora collinea	lxora	C,F
Juniperus chinensis 'Gold Coast'	Gold Coast juniper	C,F
Juniperus chinensis	Hollywood juniper	C,F
	Media-old gold juniper	C,F
	Pfitzer juniper	C,F
	Pfitzerana glauca-blue juniper	C,F
	Pfitzerana-pfitzer juniper	C,F
	Sea green juniper	F
	Torulosa-hollywood juniper	C,F

Juniperus conferta	Emerald sea shore juniper	C,F	
	Shore juniper	C,F	
Juniperus davurica	Parsonii juniper	C,F	
Juniperus horizontalis	Andorra juniper	C,F	
	Bar harbor juniper	C,F	
	Blue chip juniper	C,F	
	Blue rug juniper	C,F	
	Creeping juniper	C,F	
	Dwarf andorra juniper	C,F	
	Huntington blue juniper	C,F	
	Plumosa-andorra juniper	C,F	
	Wiltonii-blue carpet juniper	C,F	
Juniperus procumbens	Nana-dwarf Japanese Garden ju	niper C,F	
Juniperus prostrata	Prostrata juniper	C,F	
Juniperus sabina	Broadmoor juniper	C,F	
	Foemina-hicks juniper	C,F	
	Savin juniper	C,F	
	Tamariscifolia-tam juniper	C,F	
Juniperus scopulorum	Emerald green juniper	F	
	Wichita blue juniper	C,F	
Juniperus squamata	Blue juniper	C,F	
	Blue star juniper	C,F	
	Parsonii juniper	C,F	
Kalmia latifolia	Mountain laurel	C,F	
Lagerstroemia indica	Crape myrtle	C,F	
Leucophyllum frutescens	Texas sage	C,F	
Leucophyllum laevigatum	Chihuahan sage	C,F	
Leucothoe axillaris	Coast leucothoe	C,F	
Leucothoe fontanesiana	Drooping leucothoe	C,F	
Ligustrum japonicum	Japanese privet	C,F	
	Wax privet	C,F	
	Yellow tip privet	C,F	
Ligustrum lucidum	Glossy privet	C,F	
Ligustrum ovalifolium	California privet	F	
Ligustrum texanum	Howard privet	C,F	
	Wax leaf privet	C,F	
Ligustrum x vicaryi	Privet, Vicary golden	F	

Liqustrum vulgare 'Lodense'	Lodense common privet	C,F
Livistona chinensis	Chinese fountain palm	F
Lonicera fragrantissima	Winter honevsuckle	C.F
Lonicera periclymenum	Flowering woodbine	C.F
	Serotina woodbine	C.F
Lonicera sempervirens	Trumpet honevsuckle	C.F
Loropetalum chinense	Sizzling pink fringe flower	C,F C,F
Loropetalum chinense var. rubrum		
'Razzlebern'	Razzleberri fringe flower	C.F
Mahonia aquifolium 'Compacta'	Dwarf Oregon hollygrape mahonia	C.F
Mahonia bealei	Leather leaf mahonia	C,F
Mahonia repens	Creeping mahonia	C,F
Mandevilla splendens 'Red Riding Hood'	Red Riding Hood mandevilla	F
Michelia figo	Banana shrub	C.F
Myrica cerifera	Southern wax myrtle	C,F
Myrica pensylvanica	Bayberry	C,F
Myoporum parvifolium	Putah creek	C,F
Nandina domestica	Compacta-dwarf heavenly bamboo	C,F
	Harbour dwarf-heavenly bamboo	C,F
	Heavenly bamboo (nandina)	C,F
	Nana compacta-heavenly bamboo	C,F
	Nana purpurea-heavenly bamboo	C,F
	Woods dwarf-heavenly bamboo	C,F
Nerium oleander	Hardy red oleander	C,F
	Oleander	C,F
	Ruby lace oleander	C,F
Osmanthus x fortunei	Fortune's osmanthus	C,F
Osmanthus fragrans	Sweet olive osmanthus	C,F
Pennisetum setaceum 'Rubrum'	Purple fountain grass	C,F
Phoenix roebelenii	Pigmy date palm	C,F
Photinia x fraseri	Fraser photinia	C,F
Physocarpus opulifolius	Dwarf ninebark	C,F
Pieris japonica	Lily-of-the-valley	C,F
	Mountain fire lily-of-the-valley	C,F
	Snowdrift lily-of-the-valley	C,F
	Temple bells lily-of-the-valley	C,F
	Valley rose lily-of-the-valley	C,F
	Valley valentine lily-of-the-valley	C,F
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Pieris x 'Forest Flame'	Forest flame lily-of-the-valley	C,F
Pinus mugo var. mugo	Mugo pine	C,F
Pittosporum tenufolia 'Golf Ball'	Golf ball pittosporum	C,F
Pittosporum tobira	Green pittosporum	C,F
	Wheeler's dwarf pittosporum	C,F
Plumbago auriculata	Blue cape plumbago	F
Plumbago capensis	Plumbago	C,F
Podocarpus macrophyllus	Yewpine	C,F
Polygala fructicosa	Sweet pea shrub	C,F
Polystichum polyblepharum	Tassel fern	C,F
Potentilla fragiformis	Cinquefoil	F
Potentilla fruticosa	Cinquefoil	C,F
	Floppy disc cinquefoil	C,F
	Gold drop pontentilla	F
	Goldfinger potentilla	C,F
	Red ace potentilla	C,F
	Sunset potentilla	C,F
	Tangerine potentilla	C,F
Potentilla spp.	Cinquefoil	
Potentilla verna	Spring cinquefoil	C,F
Prunus glandulosa	Dwarf flowering almond	C,F
Prunus laurocerasus 'Otto luykens'	Otto Luykens English laurel	C,F
Psidium cattleianum	Strawberry guava	C,F
Pyracantha fortuneana	Lolendei Monrovia pyracantha	C,F
	Monon pyracantha	F
	Red elf hybrid pyracantha	F
	Rutgers hybrid pyracantha	C,F
	Santa Cruz pyracantha	C,F
	Victory pyracantha	F
Pyracantha coccinea 'Lalandei'	Lalandei firethorn	C,F
Rhaphiolepis indica	Charisma-monruce rhaphiolepis	C,F
	Enchantress-moness rhaphiolepis	F
	Rhaphiolepis (India hawthorn)	C,F
	Springtime-Monme rhaphiolepis	F
Rhaphiolepis indica 'Ballerina'	Ballerina Indian hawthorn	C,F
Rhaphiolepis ovata	Roundleaf rhaphiolepis	C,F

Rhododendron calendulaceum	Cannon's double azalea	C,F
	Flame azalea	F
	Golden flare azalea	C,F
	Klondike azalea	C,F
Rhododendron campylocarpum	Butterfly rhododendron	F
Rhododendron carolinianum x daurium	PJM rhododendron	C,F
Rhododendron catawbiense	Catawba album rhododendron	C,F
	Catawba rhododendron	C,F
	Lord Roberts rhododendron	C,F
	Rocket rhododendron	C,F
Rhododendron caucasium x ponticum	Cunninham White rhododendron	C,F
Rhododendron exbury	Cannon's double azalea	C,F
	Golden flare azalea	C,F
	Klondike azalea	C,F
Rhododendron forrestii repens	Gomer Waterer rhododendron	C,F
Rhododendron forrestii x griersonianum	Elizabeth rhododendron	C,F
Rhododendron griffithianum	Jean Marie rhododendron	C,F
Rhododendron hybrid spp.	America rhododendron	C,F
,	English Roseum rhododendron	F [']
	Nova Zembla rhododendron	C,F
	Scintillation rhododendron	C,F
Rhododendron impeditum	Rhododendron	C,F
Rhododendron indica	Formosa azalea	C,F
	Waucabusa azalea	C,F
Rhododendron kaempferi	Blue danube azalea	C,F
Rhododendron kerume	Coral bells azalea	C,F
	Hino crimson azalea	C,F
	Hino pink azalea	C,F
	Mildred azalea	C,F
	Snow azalea	C,F
Rhododendron maximum	Rhodie max (rosebay)	C,F
Rhododendron mucronulatum	Rhododendron	F
Rhododendron obtusum	Hino-crimsom azalea	C,F
Rhododendron ponticum	Chioniodes rhododendron	C,F
	Daphinoides rhododendron	C,F

Rhododendron racemosum	Dwarf scarlet wonder rhododendron Tribly rhododendron Unique rhododendron	C,F C,F C,F
	Vulcan rhododendron	C,F
Rhododendron sassthigiatim x carolinianum		C,F
Rhododendron satuski	Gumpo pink azalea	C,F
	Higasa azalea	F.
	Reiin azalea	C,F
Rhododendron spp. hybrids	Carror azalea	C.F
	Fashion azalea	C,F
	Gerard Christina azalea	F.
	Girard Roberta azalea	C,F
	Golden flare exbury azalea	F
	Helmut Voqel azalea	F
	Hershev red azalea	F
	Hot shot azalea	C.F
	Hume azalea	F
	Inga azalea	F
	Irene Koster azalea	C.F
	President Clay azalea	C,F
	Traditional azalea	C,F
Rhus lancea	African sumac	C,F
Rhus typhina	Staghorn sumac	C,F
Rosa x 'Flower carpet'	Red groundcover rose	C,F
Rosa rugosa	Ramanas rose	C,F
Rosmarinus officinalis	Rosemary	F
Senecio cineraria	Dusty-miller	
Skimmia japonica	Japanese skimmia	C,F
Skimmia revesiana	Reeve's skimmia	C,F
Solanum rantonetii 'Royal purple'	Paraguay nightshade	C,F
Spiraea x bumalda 'Anthony Waterer'	Anthony Waterer spiraea	C,F
Spiraea x cinerea "Grefsheim"	First snow spiraea	C,F
Spiraea japonica	Dolchia spiraea	C,F
	Japanese alpine spiraea	C,F
	Magic carpet spiraea	C,F
	Neon flash spiraea	C,F
	Shirobana spiraea	C,F

Spiraea x vanhouttei	Vanhoutte spirea	C,F
Streptosolen jamesonii	Marmalade bush	C,F
Syringa rothomagensis	Chinese lilac	C,F
Syringa vulgaris	Lilac, common	F
Taxus cuspidata	Japanese yew	F
Tecomaria capensis	Cape honeysuckle	C,F
Ternstroemia gymnanthera	Japanese ternstroemia	C,F
Teucrium fruticans	Bush germander	C,F
Thevetia nerifolia	Yellow oleander	C,F
Thuja occidentalis	Emerald arborvitae	C,F
,	Globosa-globe arborvitae	C,F
	Little giant-dwarf arborvitae	C,F
	Nigra-dark American arborvitae	C,F
	Pyramidalis arborvitae	C,F
	Rheingold arborvitae	C,F
	Techny arborvitae	F
	Woodwardii arborvitae	C.F
Thuja orientalis	Aureus nana-dwarf golden arborvitae	C.F
,	Minima glauca-dwarf arborvitae	C.F
Tibouchina urvilleana	Princes flower	C.F
Veitchia merrilli	Christmas palm	F
Viburnum bodnantense	Pink dawn viburnum	C.F
Viburnum carlesii	Koreanspice viburnum	C.F
Viburnum davidii	David viburnum	C,F
Viburnum iaponicum	Japanese viburnum	F
Viburnum judd (V. x juddii)	Judd viburnum	C.F
Viburnum lantana	Wayfaringtree viburnum	F
Viburnum opulus sterile	Common snowball viburnum	F
Viburnum plicatum var. tomentosum	Doublefile viburnum	C,F
Viburnum setiaerum	Tea viburnum	F
Viburnum tinus 'Compactum'	Spring bouquet viburnum	F
Viburnum trilobum	Am. Cranberry bush viburnum	C.F
Viburnum trilobum 'Compactum'	Dwarf Am. cranberry bush viburnum	C.F
Viburnum x pragense	Prague viburnum	C.F
Weigela florida	Bristol ruby weigela	C,F
•	Java red weigela	C,F
	Minuet weigela	C,F
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Xylosma congestum	Xylosma	F	
Xylosma senticosa	Shiny xylosma	F	
Yucca filamentosa	Adam's needle vucca	C.F	

Groundcovers/Perennials

Scientific Name	Common Name	Treatment Method:
		C = Container Grown; F = Field Grown
Achillea spp.	Yarrow	C,F
Achillea filipendulina	Moonshine-fern/leaf yarrow	C,F
Achillea millefolium	Common yarrow	C,F
Achillea millefolium 'Paprika'	Paprika yarrow	C,F
Achillea tomentosa	Wooly yarrow	C,F
Agapanthus africanus	Lily of the nile	C,F
	Queen Anne lily of the nile	C,F
Agapanthus 'Peter pan'	Lily of the nile	C,F
Ammophila breviligulata	Beechgrass	C,F
Aptenia cordifolia	Red apple aptenia	C,F
Aquilegia x 'Dragon fly'	Columbine	C,F
Arctotheca calendula	Cape weed	F
Argyranthemum frutescens "Butterfly'	Butterfly argyranthemum	C,F
Asparagus densiflorus 'Myers'	Pony tail fern	C,F
Asparagus retrofractus		C,F
Asparagus varieegata	Tree fern	C,F
Asparagus var. 'Meegers'		C,F
Aspidistra elatior	Cast iron plant	C,F
Aster novae-angliae	New England aster	C,F
Aster novi-belgii	New York aster	C,F
Aster novi-belgii 'Persian rose'	Persian rose dwarf aster	C,F
Begonia semperflorens 'Amb white'	White ambassador begonia	C,F
Bergenia cordifolia	Heartleaf bergenia	C,F
Bidens ferulifolia 'Peters gold'	Peter's gold bidens	C,F
Brachycome x 'New amethyst'	Swan river daisy new amethyst	C,F
Callistepheus chinensis	China aster	C,F
Carex albula	Frosty curls sedge	C,F
Carex spp.	Variegated carex	C,F

Carpobrotus edulis	Largeleaf ice plant	F
Catharanthus roseus	Madagascar periwinkle	C,F
Chasmanthium latifolium	Northern sea oats	C,F
Chrysanthemum maximum	Shasta daisy	C,F
Chrysanthemum spp.	Chrysanthemum species	C,F
Clivia miniata 'French hybrid'	Kafir lily	C,F
Cordyline indiyisa	Blue dracaena	C,F
Coreopsis verticillata	Threadleaf coreopsis	C,F
Coreopsis verticillata 'Moonbeam'	Moonbeam coreopsis	C,F
Cortaderia selloana	Pampas grass	C,F
Cuphea hyssopifolia	False or Mexican heather	C,F
Cyperus albostriatus	Dwarf umbrella grass	C,F
Dahlia hybrid Dwarf	Dwarf dahlia	C,F
Dahlia x 'Royal Dahlietta pink'	Dwarf dahlia wendy pink	C,F
Delosperma alba	White ice plant	F
Delosperma cooperi	Ice plant	C,F
Delosperma nubigenum	Hardy ice plant	C,F
Descampsia caespitosa	Descampsia	C,F
Dianthus gratianopolitanus 'Firewitch'	Firewitch cheddar pink	C,F
Dianthus gratianopolitanus 'Treasure'	Crimson treasure cheddar pink	C,F
Dianthus plumaris	Cottage pink	C,F
Dietes vegeta	Fortnight lily	C,F
Drosanthemum floribundum	Trailing rosea ice plant	F
Drosantheumum hispidum	Ice plant	C,F
Dryopteris erythrosora	Autumn Fern	C,F
Dryopteris marginalis	Marginal wood fern	C,F
Dryopteris x australis	Dixie wood fern	C,F
Dymondia margaritae	Diamond marguerite	C,F
Ensete ventricosum	Absynnian banana	C,F
Equisetum scirpoides	Dwarf horsetail	C,F
Erianthus ravennae	Hardy pampasgrass	C,F
Erigeron speciosum 'Darkest of all'	Darkest of all fleabane	C,F
Euryops pectinatus 'Munchkin'	Dwarf euryops	C,F
Eustoma grandiflorum 'Pink'	Pink lisianthus	C,F
Evolvulus nuttallianus	Blue daze	C,F
Fatshedra japonica	Japanese aralia	C,F
Festuca ovina glauca	Blue fescue	C,F

Gaillardia x grandiflora	Blanket flower	C,F
Gaillardia x grandiflora 'Goblin'	Goblin blanket flower	F
Gazania spp.	Gazania	C,F
Geranium cinerium 'Ballerina'	Ballerina cranesbill	C,F
Geranium sanquineum 'Bloody cran'	Bloody cranesbill	C,F
Geranium subcaulescens	Black eyed magenta cranesbill	C,F
Geum spp.	Avens	C,F
Geum quellyon	Geum	C,F
Gypsophila paniculata	Baby's breath	C,F
Hakonechloa macroaureola	Golden hakonechloa	C,F
Hedera canariensis	Algerian ivy	F
Hedera helix	English ivy	C,F
Helichrysum petiolare 'White licorice'	White licorice helichrysum	C,F
Heliotropium fragrans	Common heliotrope	C,F
Hemerocallis spp.	Daylily	C,F
Hesperaloe parvifolia	Red yucca	C,F
Heuchera x 'Bressingham'	Bressingham coral bells	C,F
Heuchera micrantha	Coral bells	C,F
Hosta 'Francee'	Francee plantain lily	C,F
Hosta fortunei	Plantain lily	C,F
Hosta lancifolia	Albo-marginata hosta	C,F
	Narrow leafed plantain lily	C
Hosta x 'Patriot'	Patriot plantain lily	C,F
Houttuynia cordata 'Chameleon'	Chameleon Houttuynia	C,F
Hymenoxys acaulis	Angelita daisy	C,F
Hypericum spp.	St. Johnswort	C,F
Impatiens walleryana 'Lipstick'	Lipstick impatiens	C,F
Imperata cylindrical "rubra'	Japanese blood grass	C,F
Ipomea acuminata 'Blue dawn'	Blue dawn morning glory	C,F
Iris pumila 'Yellow'	Yellow dwarf bearded iris	C,F
Iris siberica	Iris	C.F
Jasminum nitidum	Angelwing jasmine	C.F
Jasminum polyanthum	Pink jasmine	C.F
Kniphofia uvaria 'Flamenco'	Flamenco red hot poker	C,F
Lampranthus spectabilis	Trailing iceplant	F
Leptospermum scoparium	Broom teatree/manuka	C,F
Liatris spicata "Floristan Violet"	Floristan violet gay feather	C,F

Limonium perezii	Statice	C,F
Liriope gigantea	White lily turf	C,F
	Giant lily turf	C,F
Liriope muscari	Lilac beauty lily turf	C,F
	Majestic lily turf	C,F
	Monroe white lily turf	C,F
	Silvery sunproof lily turf	C,F
	Variegated liriope lily turf	C,F
	Big blue lily turf	C,F
Liriope spicata	Green/creeping lily turf	C,F
	Silver dragon lily turf	C,F
Lonicera japonica	Honeysuckle, Japanese	F
Lysimachia mummularia	Moneywort	C,F
Lysimachia punctata	Dotted loosestrife	C,F
Matteuccia struthiopteris	Ostrich fern	C,F
Matthiola incana 'Harmony'	Stock	C,F
Miscanthus sinensis	Eulalia grass	C,F
Miscanthus sinensis 'Gracillimus'	Maiden grass	C,F
Moraea iridioides	African iris	C,F
Oenothera missouriensis	Ozark sundrops	C,F
Oenothera speciosa 'Siskiyou pink'	Siskiyou evening primrose	C,F
Onoclea sensibilis	Sensitive fern	C,F
Ophiopogon japonicus	Dwarf mondo grass	C,F
	Mondo grass	C,F
Origanum libanoticum	Oregano	C,F
Osmunda cinnamomea	Cinnamon fern	C,F
Osmunda regalis	Royal fern	C,F
Osteospermum fruticosum	Trailing African daisy	F
Pachysandra terminalis	Japanese spurge	C,F
Pachysandra terminalis 'Green sheen'	Green sheen Japanese spurge	C,F
Parthenocissus quinguefolia	Virginia creeper	C,F
Pelargonium x hortorum	Zonal geranium	C,F
Pelargonium peltatum	lvy geranium	C,F
Pennisetum alopecuroides	Fountain grass	C,F
Pennisetum setaceum	Crimson fountain grass	C,F
Penstemon x 'Apple blossom'	Apple blossom penstemon	C,F
Pentas lanceolata	Star clusters	C,F

Perovskia atriplicifolia	Russian sage	C,F
Petunia-hybrids	Garden petunias	C,F
Phalaris arundinacea picta	Ribbon grass	C,F
Phlox subulata	Moss pink	C,F
Phormium tenax 'Jack Spratt'	Jack Spratt New Zealand flax	C,F
Polystichum acrostichoides	Christmas fern	C,F
Polystichum polyblepharum	Tassel fern	C,F
Ratbida columnifera	Mexican hat	C,F
Rudbeckia fulgida	Blackeyed susan	C,F
Ruscus hypophyllum	Butcher's broom (Israeli ruscus)	C,F
Salvia daghestanica	Platinum sage	C,F
Salvia grahamii	Graham's sage	C,F
Sasa pygmaea	Dwarf bamboo	C,F
Scutellaria resinosa	Skull cap	C,F
Sedum x 'Autumn joy'	Autumn joy stonecrop	C,F
Sedum x 'Vera Jameson'	Vera Jameson stonecrop	C,F
Tagetes patula 'Little Hero'	Little hero marigold	C,F
Trachelospermum asiaticum	Asian jasmine	C,F
Tulbaghia violacea	Society garlic	C,F
Verbena rigida	Veined verbena	C,F
Vinca major	Periwinkle, bigleaf	C,F
Vinca minor	Periwinkle, dwarf	F
Vinca spp.	Periwinkle	F

Non-Bearing Trees and Vines

Non-bearing frees and vines	
Non-Bearing Trees and Vines*	Treatment Method:
	C = Container Grown;
	F = Field Grown
almond	F
apple	F
apricot	F
avocado	F
blackberry	F
blueberry	F
boysenberry	F

cherry, sour	F
	F
currant	F
	F
	F
fig	F
	F
gooseberry	F
grape, American	F
grape, European	F
grapefruit	F
	F
lemon	F
loganberry	F
macadamia nut	F
nectarine	F
olive	F
orange	F
peach	F
pear	F
pecan	F
pistachio	F
pomegranate	F
	F
	F
	F
walnut, English	F

Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants that will not bear fruit for at least one year after treatment.

Ornamental Bulbs

Ornamental Bulbs grown in Landscape Settings

Apply Quali-Pro Isoxaben 75 WG for control of susceptible annual weeds in ornamental bulbs such as bulbous iris, daffodil (narcissus), gladiolus, hyacinth, lilies, and tulip. Apply Quali-Pro Isoxaben 75 WG to weed-free soil surface 2 to 4 weeks after planting but prior to the emergence of annual weeds. Quali-Pro Isoxaben 75 WG may also be applied following bulb emergence but prior to the emergence of annual weeds. Quali-Pro Isoxaben 75 WG can also be applied following bulb emergence but prior to flowering and after flowering in landscape settings. For fall-planted bulbs, apply Quali-Pro Isoxaben 75 WG to weed-free soil surfaces in late winter or early spring. For bulbs, make a single application within 30 days following planting and prior to bulb emergence of up to 0.66 lb per acre. Do not exceed the 0.66 lb of Quali-Pro Isoxaben 75 WG per acre rate.

Use Precautions for Ornamental Bulbs in Landscape Settings:

Quali-Pro Isoxaben 75 WG is NOT suggested for application to:

- Tulip plants that have emerged to a height greater than 3/4 inch.
- · Gladiolus prior to emergence or if corms are less than one inch in diameter.
- · Bulbs while they are flowering.

Ornamental Bulbs Grown for Commercial Production*

Apply Quali-Pro Isoxaben 75 WG for control of susceptible annual weeds in ornamental bulbs such as bulbous iris, daffodil (narcissus), gladiolus, hyacinth, lilies, and tulp. Apply Quali-Pro Isoxaben 75 WG to weed-free soil surface 2 to 4 weeks after planting but prior to the emergence of ornamental bulbs and prior to the emergence of annual weeds. For fall-planted bulbs, apply Quali-Pro Isoxaben 75 WG to weed-free soil surfaces in late winter or early spring. Make a single application of up to 0.66 lb per acre. Do not exceed the 0.66 lb of Quali-Pro Isoxaben 75 WG per acre rate.

*Not for use in California or Arizona.

Use Precautions for Ornamental Bulbs Grown for Commercial Production:

Do not apply Quali-Pro Isoxaben 75 WG after the emergence of ornamental bulbs.

Shadehouse Areas

Quali-Pro Isoxaben 75 WG may be applied in open shadehouse-type structures where the natural flow of air is unimpeded. Do not apply in enclosed greenhouses or in enclosed shadehouse-type structures. Do not apply within three weeks prior to enclosing greenhouses or poly-type structures.

Christmas Tree and Conifer Plantations

Quali-Pro Isoxaben 75 WG - Alone

Apply Quali-Pro Isoxaben 75 WG as a directed spray to the soil surface or as an over-the-top spray to established plantings of field-grown Christmas tree and conifer species listed in this label. Follow all instructions provided in the **PRODUCT INFORMATION** section of this label.

Specific Use Precautions and Restrictions for Christmas Tree and Conifer Plantations:

Do not apply Quali-Pro Isoxaben 75 WG to seedbeds or seedling transplant beds. Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrication.

Tank Mix Combinations

Tank mix combinations of Quali-Pro Isoxaben 75 WG plus other labeled herbicides may be used in established Christmas tree plantings. When applied according to use directions, these tank mixes will provide control of susceptible weed species listed on the respective product labels. Refer to tank mix product labels for specific use directions, precautions, and limitations before use. Refer to instructions for Quali-Pro Isoxaben 75 WG - Tank Mix in the MIXING DIRECTIONS section.

Quali-Pro Isoxaben 75 WG/ Quali-Pro Glyphosate T&O: Apply tank mix combinations of Quali-Pro Isoxaben 75 WG plus Quali-Pro Glyphosate T&O herbicide only as directed sprays in Christmas tree plantings. When applied as directed, Quali-Pro Isoxaben 75 WG plus Quali-Pro Glyphosate T&O will provide postemergence control of susceptible weed species listed on the label for Quali-Pro Glyphosate T&O and residual preemergence control of susceptible weed species listed on the label for Quali-Pro Isoxaben 75 WG. Refer to the Quali-Pro Glyphosate T&O label for specific used directions, precautions, and limitations before use. Refer to instructions for Quali-Pro Isoxaben 75 WG. Tank Mix in the MIXING DIRECTIONS section

Use Precautions

- Do not apply sprays containing Quali-Pro Glyphosate T&O over the top of Christmas tree plantings.
- · Extreme care must be exercised to prevent contact of sprays containing Quali-

Pro Glyphosate T&O with foliage or stems of Christmas trees or other desirable plants, or severe plant damage or death may result.

NON-CROPLAND AREAS

Use Quali-Pro Isoxaben 75 WG as a preemergence herbicide for control of listed broadleaf weeds in non-cropland areas including industrial sites, utility substations, parking lots, driveways, walking paths, highway guardrails, sign posts, and delineators where maintenance of bare ground is desired.

Apply Quali-Pro Isoxaben 75 WG any time prior to germination of target weeds. Areas to be treated should be free of established weeds, or existing weeds should be controlled with postemergence herbicides.

Refer to the **PRODUCT INFORMATION** section prior to using this product on non-cropland areas.

Quali-Pro Isoxaben 75 WG is compatible and can be tank mixed with other herbicides registered for use on non-cropland areas. Applied as directed, tank mixes containing Quali-Pro Isoxaben 75 WG will provide control of susceptible weed species listed on the respective labels. All directions, precautions, and limitations on the respective product labels apply to the tank mix use. Refer to instructions for Quali-Pro Isoxaben 75 WG - Tank Mix in the MIXING DIRECTIONS section.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. Do not store in direct sunlight. Do not store at temperatures above 120°F. In case of leak or spill, contain material and dispose of as waste.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities. Nonrefillable Container (rigid - fifty lbs or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

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

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

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

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

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

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