

QUALI-PRO®

T/I 2.5 G Herbicide

A broad-spectrum preemergence herbicide for use in Christmas Tree Plantations, Non-Bearing Fruit and Nut Trees, Non-Bearing Vineyards, Non-Cropland, and Ornamentals (container and field grown, groundcovers/perennials, and landscape) for control of certain broadleaf weeds and annual grasses.

Contains isoxaben and trifluralin, the active ingredients used in Snapshot® 2.5 TG.
Quali-Pro T/I 2.5 G is not manufactured or distributed by Dow AgroSciences LLC.

ACTIVE INGREDIENT:

	% BY WT.
Trifluralin: α, α, α -trifluoro-2,6-dinitro- <i>N, N</i> -dipropyl- <i>p</i> -toluidine	2.0%
Isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazoly]-2,6-dimethoxybenzamide and isomers	0.5%
OTHER INGREDIENTS:	97.5%

TOTAL: 100.0%

Contains 1.25 lb active ingredient (1.0 lb trifluralin and 0.25 lb isoxaben) per 50 lb bag

EPA Reg. No. 66222-224

EPA Est. No. 5905-IA-001^{HD}; 37429-GA-001^{BT}; 37429-GA-002^{BO}; 48234-GA-001^R
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF INHALED:	<ul style="list-style-type: none"> • 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.
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 IN EYES:	<ul style="list-style-type: none"> • 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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.	

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

Manufactured for: **Makhteshim Agan of North America, Inc.**
4515 Falls of Neuse Road, Suite 300
Raleigh, NC 27609

FG # 13967

Net Contents: 50 Pounds

13965
EPA 112310/Rev C



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing dust. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid contact with 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.

ENGINEERING CONTROLS

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

USER SAFETY RECOMMENDATIONS

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.
- Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine and estuarine fish and aquatic invertebrates including shrimp and oyster. 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 apply in a manner which will directly expose canals, lakes, streams, ponds, marshes, or estuaries to aerial drift. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

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.

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.

(continued)

AGRICULTURAL USE REQUIREMENTS (cont.)

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.

For applications in landscape settings and in non-cropland sites, do not enter or allow others to enter the treated area until dusts have settled.

PRODUCT INFORMATION

Quali-Pro® T/I 2.5 G is a granular herbicide containing two active ingredients, isoxaben (0.5%) and trifluralin (2.0%) for broad-spectrum preemergence control of selected broadleaf weeds and annual grasses. Use a drop- or rotary-type spreader designed to apply granular herbicides or insecticides to apply Quali-Pro T/I 2.5 G. See **APPLI-CATION INSTRUCTIONS** for specific directions on spreaders and settings.

Quali-Pro T/I 2.5 G controls weeds growing from seeds. The active ingredients are absorbed through unemerged plant shoots and inhibit cell wall growth. They are not mobile within the plant. Selected broadleaf weeds and annual grasses are killed before they emerge. Quali-Pro T/I 2.5 G does not control weeds already established or those growing from stolons, rhizomes, or root pieces. Length of control varies with the rate of Quali-Pro T/I 2.5 G applied, weed infestation, temperature, amount of water applied, soil conditions, or type of potting media, among other factors. Additional applications of Quali-Pro T/I 2.5 G may be needed to provide residual control over time.

Apply Quali-Pro T/I 2.5 G immediately after cultivation or prior to germination of target weeds in landscape ornamentals, container and field-grown ornamentals, nursery stock, Christmas trees, ground covers/perennials, non-bearing fruit and nut trees, non-bearing vineyards, and non-cropland areas. Apply Quali-Pro T/I 2.5 G at 100 to 200 lbs per acre (2.3 to 4.6 lbs per 1000 sq ft). After application, observe the level of weed control obtained over time and decide if additional applications are needed for control. Do not make applications of 150 lbs per acre or higher prior to 60 days after a previous application of Quali-Pro T/I 2.5 G. The maximum application rate per acre for Quali-Pro T/I 2.5 G within a 12-month period is 600 lbs.

The weight-to-volume conversion table below provides equivalent amounts of Quali-Pro T/I 2.5 G for use.

Broadcast Rates For Quali-Pro T/I 2.5 G¹

Rate	Amount/1000 sq ft		Amount/100 sq ft	
Lbs/Acre	Lbs	Qts	Lbs	Cups
100	2.30	1.75	0.23	0.7
150	3.45	2.60	0.35	1.0
200	4.60	3.50	0.46	1.4

¹ 1 lb of Quali-Pro T/I 2.5 G = 0.75 quart = 3 cups

Quali-Pro T/I 2.5 G must be activated within 3 days of application to achieve optimum weed control. A rainfall or sprinkler irrigation of 0.5 inches or more or flood irrigation will provide activation. If rainfall or irrigation is not applied within 3 days of application





and tillage is possible, activation may be accomplished using cultivation equipment that will uniformly mix Quali-Pro T/I 2.5 G into the upper 1-2 inches of soil. Without proper activation of Quali-Pro T/I 2.5 G, poor weed control is likely to occur.

APPLICATION INSTRUCTIONS

Since Quali-Pro T/I 2.5 G has no postemergence activity against emerged weeds, use cultivation or apply postemergence herbicides to control emerged weeds. Remove or incorporate all weed residue, prunings, crop residue, or other plant trash before application of Quali-Pro T/I 2.5 G. Make sure the soil surface is free of clods and smooth when application is made. If wind conditions favor drift at the time of application, do not apply Quali-Pro T/I 2.5 G because drift of granules outside the treated area may result in injury to non-target plants.

Do not apply Quali-Pro T/I 2.5 G to newly transplanted ornamentals, nursery stock, Christmas trees, groundcovers, non-bearing fruit and nut trees, and non-bearing vineyards until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present, or injury may occur.

Where loss of stand has occurred in field-grown ornamentals, use untreated soil as fill around roots when replacing plants, or injury may occur.

Use a drop- or rotary-type spreader designed to apply granular herbicides or insecticides for application of Quali-Pro T/I 2.5 G. Clean the spreader before use and calibrate according to manufacturer's directions. It is important that the spreader works properly and the granules are distributed uniformly. Spreader that apply Quali-Pro T/I 2.5 G in narrow, concentrated bands are not to be used. Avoid skips or overlaps, as crop injury or poor weed control could occur. In order to obtain uniform distribution of the granules, apply half of the product on the target area and then apply the other half of the product to the same area but with the spreader swaths going at right angles to the first application.

Equipment Modifications for Improved Application of Quali-Pro T/I 2.5 G:

- For drop-type spreaders, more uniform granule distribution will result when a splashboard is mounted under the hopper.
- Also for drop-type spreaders, fasten a chain to the side of the spreader and allow it to drag on the soil surface to mark the edge of the treated swath and help prevent skips or overlaps.
- To treat small areas or rows of nursery stock or ornamental beds, use a hand-held or push-type rotary applicator such as a whirlybird or cyclone unit. Whenever hand-held units are used, walk and turn the crank at a constant rate of speed.
- For small areas difficult to treat with a drop-type or rotary spreader, use a shaker-type applicator made from a small container with holes punched in the bottom. Carefully measure the amount of product needed to avoid over application.

There are numerous brands and types of spreaders available for applying granular pesticides like Quali-Pro T/I 2.5 G. No two spreaders are alike; therefore, follow the instructions provided by the manufacturer for proper calibration. The settings for the Warren T-7 II spreader are provided below as a guide for calibrating individual spreaders. These settings are not intended to be used as absolute specifications by Makhteshim Agan of North America, Inc. or the spreader manufacturer.

Speed (mph)	Settings for Warren T-7 II Spreader ¹		
	Target Rate of Quali-Pro T/I 2.5 G		
	100 lbs/acre	150 lbs/acre	200 lbs/acre
2.0	2 1/2	3 1/4	3 3/4
2.5	3	3 1/2	4 1/4
3.0	3 1/4	4	5

¹ Warren spreader settings are displayed in half-number increments only. The suggested settings that indicate quarter settings can be accomplished by placing the calibration arm between the half number marks on the spreader.

USE PRECAUTIONS AND RESTRICTIONS

In Arizona: The state of Arizona has not approved Quali-Pro T/I 2.5 G for use on plants grown for agricultural/commercial production, such as on Christmas tree plantations, container-grown or field-grown ornamentals, non-bearing fruit and nut trees, and non-bearing vineyards.

Do not apply Quali-Pro T/I 2.5 G by aerial application.

Accidental application to turf may occur when applying Quali-Pro T/I 2.5 G to ornamental plantings. Quali-Pro T/I 2.5 G is not specified for weed control in turfgrasses, but turfgrasses are generally tolerant to small amounts of this product that fall outside of the intended area of application.

Use of Quali-Pro T/I 2.5 G on Species Not Listed on the Label: Injury may occur if Quali-Pro T/I 2.5 G is applied to plant species not listed on this label. If users wish to apply Quali-Pro T/I 2.5 G to plant species not listed on the label, first determine the susceptibility of the plants to injury by treating a small number of plants at the labeled rates. Do this before treating large areas. Monitor the treated plants closely for injury for up to 60 days during the active growing period to determine if it is safe to use Quali-Pro T/I 2.5 G on these target plants. The user assumes responsibility for any plant damage or other liability resulting from use of Quali-Pro T/I 2.5 G on plant species not listed on this label.

Special Use Precautions: To avoid possible injury, do not apply Quali-Pro T/I 2.5 G to:

- nursery, forest, or Christmas tree seedling beds, cutting beds, or transplant beds.
- nursery seedbeds or forest or Christmas tree seedling transplant beds.
- unrooted liners or cuttings that have been planted in pots for the first time.
- pots less than four inches wide.
- bedding plants or areas where bedding plants will be planted or transplanted within one year following application.
- groundcovers until they are established and well rooted.

Note: Injury on the following plant species has been observed following applications of Quali-Pro T/I 2.5 G and its use is not recommended: oak leaf acanthus (*Acanthus mollis*), bugle (*Ajuga* spp.), mountain sandwort (*Arenaria Montana*), mustard (*Brassica* spp.), luxuriant bleeding heart (*Dicentra luxuriant*), foxglove (*Digitalis purpurea*), purple coneflower (*Echinacea purpurea*), dwarf burning bush (*Euonymus alatus 'Compacta'*), spurge (*Euphorbia* spp.), ballerina cranesbill (*Geranium cinereum 'Ballerina'*), white festival baby's breath (*Gypsophila paniculata*), hydrangea (*Hydrangea* spp.), candytuft (*Iberis* spp.), Prince of Wales juniper (*Juniperus horizontalis 'Prince of Wales'*), cajeput tree (*Melaleuca quinquenervia*), summer phlox (*Phlox paniculata*), Bertram Anderson lingwort (*Pulmonaria longifolia*), Carolina rhododendron (*Rhododendron carolinianum*), roseum elegans rhododendron (*Rhododendron catabiense 'Roseum elegans'*), stoncrop (*Sedum* spp.), wine periwinkle (*Vincaminor 'Atropurpurea'*), green yucca (*Yucca recurvifolia*).

GRASS AND BROADLEAF WEEDS CONTROLLED OR SUPPRESSED WITH QUALI-PRO T/I 2.5 G

Weeds controlled when applied at 100 lbs per acre (2.3 lbs per 1000 sq ft)
Grasses

Common Name	Scientific Name
barnyardgrass	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
crabgrass	<i>Digitaria</i> spp.
cupgrass, southwestern	<i>Eriochloa gracilis</i>
foxtail, yellow	<i>Setaria glauca</i>
jungerlice	<i>Echinochloa colonum</i>
oat, wild	<i>Avena fatua</i>
panicum, fall	<i>Panicum dichotomiflorum</i>





sprangletop, Mexican
witchgrass

Leptochloa univervia
Panicum capillare

Common Name

aster, slender
bursage, annual
celery, wild
chickweed, common
clover, white
cudweed, purple
fiddleneck, coast
filaree, redstem
fleabane, blackleaved
fleabane, dwarf
groundcherry, lanceleaf
henbit
horseweed
knotweed, prostrate
lambsquarters, common
mallow, little
mustard, Indian
mustard, wild
nighthshade, black
pepperweed, Virginia
pigweed
pineappleweed
plantain, slender
purslane, common
radish, wild
ragweed, common
rocket, London
rockpurslane, desert
shepherdspurse
sibara
smartweed, Pennsylvania
sowthistle, annual
speedwell, purslane
telegraphplant
thistle, Russian

Broadleaf Weeds

Scientific Name
Aster exilis
Ambrosia acanthicarpa
Apium leptophyllum
Stellaria media
Trifolium repens
Gnaphalium purpureum
Amsinckia intermedia
Erodium cicutarium
Conyza bonariensis
Conyza ramosissima
Physalis lanceifolia
Lamium amplexicaule
Conyza canadensis
Polygonum aviculare
Chenopodium album
Malva parviflora
Brassica juncea
Sinapis arvensis
Solanum nigrum
Lepidium virginicum
Amaranthus spp.
Matricaria matricarioides
Plantago elongata
Portulaca oleracea
Raphanus raphanistrum
Ambrosia artemisiifolia
Sisymbrium irio
Calandrinia ciliata
Capsella bursa-pastoris
Sibara virginica
Polygonum pennsylvanicum
Sonchus oleraceus
Veronica peregrina
Heterotheca grandiflora
Salsola iberica

Weeds controlled when applied at 150 lbs per acre (3.5 lbs per 1000 sq ft)

Common Name

foxtail, giant
lovegrass
ryegrass, annual

Grasses

Scientific Name
Setaria faberi
Eragrostis spp.
Lolium multiflorum

Broadleaf Weeds

Common Name

aster, heath
bittercress
bittercress, hairy
brassbuttons, southern
carrot, wild
chamberbitter
chickweed, mouseear
dandelion
eclipta
fireweed
galinsoga, hairy
geranium, Carolina

Scientific Name
Aster ericoides
Cardamine oligosperma
Cardamine hirsuta
Cotula australis
Daucus carota
Phyllanthus urinaria
Cerastium vulgatum
Taraxacum officinale
Eclipta prostrata
Erechtites hieracifolia
Galinsoga ciliata
Geranium carolinianum

groundsel, common
ladysthumb
lettuce, prickly
mallow, dwarf
marestail
mayweed
morningglory, ivyleaf
mustard, black
pennywort
phyllanthus, long-stalk
plantain, bracted
plantain, broadleaf
plantain, buckhorn
pokeweed, common
rockpurslane, redmaids
sida, prickly
sorrell, red
speedwell, thymeleaf
spurge, hyssop
spurge, spotted
sweetclover, yellow
tansymustard, green
velvetleaf
woodsorrel, yellow

Senecio vulgaris
Polygonum persicaria
Lactuca serriola
Malva rotundifolia
Hippuris vulgaris
Anthemis cotula
Ipomoea hederacea
Brassica nigra
Hydrocotyle spp.
Phyllanthus tenellus
Plantago aristata
Plantago major
Plantago lanceolata
Phytolacca americana
Calandrinia ciliata var. *menziesii*
Sida spinosa
Rumex acetosella
Veronica serpyllifolia
Euphorbia hyssopifolia
Euphorbia maculata
Mellilotus officinalis
Descurainia pinnata
Abutilon theiophrastris
Oxalis stricta

Weeds controlled when applied at 200 lbs per acre (4.6 lbs per 1000 sq ft)

Common Name

barley, hare
bromegrass
cheat
fescue, rattail
goosegrass
sandbur, field
signalgrass
stinkgrass

Grasses

Scientific Name
Hordeum leporinum
Bromus spp.
Bromus secalinus
Vulpia myuros
Eleusine indica
Cenchrus incertus
Brachiaria spp.
Eragrostis cilianensis

Broadleaf Weeds

Common Name

burclover, California
datura
dogfennel
eveningprimrose
filaree, whitestem
goosefoot, nettleleaf
jimsonweed
knotweed, silversheath
kochia
medic, black
mullein, turkey
nettle, burning
nettle, stinging
ox tongue, bristly
pimpernel, scarlet
sowthistle, spiny
spurge, petty
spurge, prostrate
sunflower
swinecress
thistle, musk
willoweed, panicle
woodsorrel, creeping

Scientific Name

Medicago polymorpha
Datura spp.
Eupatorium capillifolium
Oenothera spp.
Erodium moschatum
Chenopodium murale
Datura stramonium
Polygonum argyrocoleon
Kochia scoparia
Medicago lupulina
Eremocarpus setigerus
Urtica urens
Urtica dioica
Picris echioides
Anagallis arvensis
Sonchus asper
Euphorbia peplus
Euphorbia humistrata
Helianthus spp.
Coronopus didymus
Carduus nutans
Epilobium paniculatum
Oxalis corniculata





**Weeds partially controlled or suppressed when applied at 200 lbs per acre
(4.6 lbs per 1000 sq ft)**

Grasses

Common Name

johnsongrass (seedling)
panicum, Texas
shattercane

Scientific Name

Sorghum halepense
Panicum texanum
Sorghum bicolor

Broadleaf Weeds

Common Name

bindweed, field
carpetweed
dock, curly
mallow, Venice
milkweed, honeyvine
morningglory, tall
pursley, Florida

Scientific Name

Convolvulus arvensis
Mollugo verticillata
Rumex crispus
Hibiscus trionum
Ampelamus albidus
Ipomoea purpurea
Richardia scabra

Quali-Pro T/I 2.5 G may be used on the following established plant species
(Note: Limitations on Treatment Methods)

Groundcovers/Perennials, Shrubs, and Trees

Scientific Name

Common Name

Treatment Method:

C = Container Grown;

F = Field Grown

<i>Abelia grandiflora</i>	Edward Goucher abelia	Shrub - C,F
	Glossy abelia	Shrub - C,F
<i>Abies balsamea</i>	Fir, balsam	Tree - C,F
<i>Abies concolor</i>	Fir, white	Tree - F
<i>Abutilon hybridum</i>	Albus-flowering maple	Tree - C,F
	Luteus-flowering maple	Tree - C,F
	Roseus-flowering maple	Tree - C,F
	Tangerine-flowering maple	Tree - C,F
	Vesuvius red-flowering maple	Tree - F
<i>Acacia abyssinica</i>	Abyssinica acacia	Shrub - C,F
<i>Acacia redolens</i>	Acacia, prostrate	Shrub - C,F
<i>Acacia stenophylla</i>	Shoestring acacia	Shrub - C,F
<i>Acalypha wilkesiana</i>	Copper leaf	Shrub - C,F
<i>Acer ginnala</i>	Amur maple	Shrub - C,F
<i>Acer ginnala</i>	Flame maple	Tree - F
<i>Acer palmatum</i>	Coral bark Japanese maple	Shrub - C,F
	Dwarf Japanese maple	Shrub - C,F
<i>Acer rubrum</i>	Red maple	Tree - F
	Red sunset maple	Tree - F
<i>Acer saccharinum</i>	Silver maple	Tree - C,F
<i>Achillea millefolium</i>	Common yarrow	Groundcover/Perennial - C,F
<i>Agapanthus africanus</i>	Queen Anne Lily of the Nile	Shrub - Groundcover/Perennial - C,F
<i>Agapanthus 'Peter pan'</i>	—	Groundcovers/Perennials - C,F
<i>Agave americana</i>	Century plant	Shrub - F
<i>Alsophila australis</i>	Australian tree fern	Tree - C,F
<i>Alstroemeria aurea</i>	Peruvian lily	Groundcover/Perennial - C,F
<i>Ammophila breviligulata</i>	Beechgrass	Groundcover/Perennial - C,F
<i>Anisodonta hypomandarum</i>	Cape mallow	Shrub - C,F
<i>Antirrhinum majus</i>	Snapdragon	Groundcover/Perennial - C,F
<i>Aptenia cordifolia</i>	Red apple aptenia	Shrub - C,F
<i>Arctotheca calendula</i>	Cape weed	Groundcover/Perennial - F
<i>Ardisia japonica</i>	Chi-rimen marlberry	Shrub - C,F
<i>Arecastrum romanzoffianum</i>	Queen palm	Tree - C,F
<i>Argyranthemum frutescens</i>	Paris daisy	Groundcover/Perennial - C,F
<i>Artemisia schmidtiana</i>	Angels' hair	Groundcover/Perennial - C,F
<i>Asparagus retrofractus</i>	Fern	Groundcover/Perennial - C,F
<i>Asparagus variegata</i>	Tree fern	Groundcover/Perennial - C,F

Aster novae-angliae

Aster novi-belgii

Asteriscus maritimus

Astilbe arendsii

Astilbe chinensis

Astilbe Deutschland

Athyrium nipponicumum

Baccharis pilularis

Begonia cordifolia

Begonia semperflorens

Berberis gladwynensis

Berberis mentorensis

Berberis thunbergii

New England aster

New York aster

Gold coin daisy

False spiraea

Astilbe/false spirea

Deutschland astilbe

Japanese painted fern

Coyotebush

Heartleaf begonia

White ambassador begonia

William Penn barberry

Mentor barberry

Aurea-golden Japanese barberry

Crimson pygmy barberry

Rose glow barberry

Atropurea-redleaf Japanese

barberry

Cherry bomb barberry

River birch

Paper birch

Peter's gold bidens

Barbara Karst

California gold

Pink pixie

Scarlet O'Hara

Temple fire

Texas dawn

Bottle tree

Betula nigra

Betula papyrifera

Bidens ferulifolia

Bougainvillea spp.

Brachychiton populneus

Brachycome x 'New amethyst'

Bucida buceras

Buxus microphylla japonica

Buxus microphylla koreana

Buxus sempervirens

Buxus x 'Green velvet'

Callistemon citrinus

Callistemon viminalis

Callistephus chinensis

Calluna vulgaris

Camellia japonica

Carex spp.

Caryopteris x clandonen

Cassia artemisioides

Catharanthus roseus

Ceanothus spp.

Cephalotaxus drupacea

Cerastium tomentosum

Cerastium tomentosum

Cerantonia siliqua

Ceratostigma plumbaginoides

Cercis canadensis

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Chamaecyparis obtusa

Shrub - F

Shrub - C,F

Tree - C,F

Tree - F

Groundcover/Perennial - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Tree - C,F

Groundcover/Perennial - C,F

Tree - F

Shrub - C,F

Shrub - F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Tree - F

Groundcover/Perennial - C,F

Tree - C,F

Tree - F

Tree - F

Shrub - C,F

Shrub - C,F

Shrub - C,F

Tree - F

Tree - F

Shrub - F

Shrub - F

Shrub - C,F

Shrub - C,F

Shrub - C,F





Scientific Name	Common Name	Treatment Method: C = Container Grown; F = Field Grown			
<i>Chamaedorea cataractarum</i>	Cat palm	Tree - F	<i>Equisetum scirpoides</i>	Dwarf horsetail	Groundcover/Perennial - C,F
	Palm	Tree - C,F	<i>Erianthus ravennae</i>	Hardy pampasgrass	Groundcover/Perennial - C,F
<i>Chamaedorea costaricana</i>	Palm	Tree - C,F	<i>Erica cinerea</i>	Purple bell heather	Shrub - C,F
<i>Chamaedorea elegans</i>	Parlor palm	Tree - C,F	<i>Erica vagans</i>	Cornish heather	Shrub - C,F
<i>Chrysalidocarpus lutescens</i>	Areca palm	Shrub - F	<i>Erica x darleyensa</i>	Mediterranean pink heather	Shrub - C,F
<i>Chrysanthemum morifolium</i>	Florist's chrysanthemum	Groundcover/Perennial - C,F	<i>Erysimum 'Bowles mauve'</i>	Wallflower	Groundcover/Perennial - C,F
<i>Chrysanthemum sp.</i>	Chrysanthemum species	Groundcover/Perennial - C,F	<i>Eucalyptus camaldulensis</i>	Red gum eucalyptus	Tree - F
<i>Clematis integrifolia caerulea</i>	Blue bell clematis	Groundcover/Perennial - C,F	<i>Eucalyptus cinerea</i>	Eucalyptus, mealy	Tree - F
<i>Clethra alnifolia</i>	Summersweet	Shrub - C,F	<i>Eucalyptus microtheca</i>	Silver dollar eucalyptus	Tree - F
<i>Cleyera japonica</i>	Japanese cleyera	Shrub - C,F	<i>Eucalyptus microtheca</i>	Coolibah tree	Tree - C, F
<i>Clivia miniata</i>	Kafir lily	Groundcover/Perennial - C,F	<i>Eucalyptus sideroxylo</i>	Eucalyptus, red ironbark	Tree - F
<i>Colonema pulchrum</i>	Pink breath of heaven	Shrub - C,F	<i>Eugenia myrtifolia</i>	Dwarf brush cherry	Shrub - C,F
<i>Convolvulus cneorum</i>	Bush morning glory	Shrub - C,F	<i>Euonymus fortunei</i>	Canadale gold euonymus	Shrub - C,F
<i>Coreopsis verticillata</i>	Threadleaf coreopsis	Groundcover/Perennial - C,F		Emerald 'n gold euonymus	Shrub - F
<i>Cornus alba</i>	Sibirica-Siberian dogwood	Shrub - C,F	<i>Euonymus japonica</i>	Sunspot euonymus	Shrub - C,F
<i>Cornus florida</i>	Cloud nine dogwood	Tree - C,F		Silver king euonymus	Shrub - F
	Dogwood, flowering	Tree - C,F	<i>Euonymus kiautschovica</i>	Variiegated evergreen euonymus	Shrub - C, F
<i>Cornus stolonifera</i>	Bailey-redosier dogwood	Shrub - F	<i>Euonymus vegetus</i>	Spreading euonymus	Shrub - C,F
	Flaviramea-yellowtwig dogwood	Shrub - F	<i>Euonymus x 'Aurea variegatus'</i>	Bigleaf wintercreeper	Shrub - C,F
<i>Cortaderia selloana</i>	Pampas grass	Groundcover/Perennial - C,F	<i>Euonymus x 'Chollipo'</i>	Gold spot euonymus	Shrub - C,F
<i>Cotinus coggygria</i>	Royal purple smoke tree	Shrub - C,F	<i>Euryops pectinatus</i>	Chollipo euonymus	Shrub - C,F
<i>Cotinus dammeri</i>	Coral beauty smoke tree	Shrub - C,F	<i>Euryops pectinatus</i>	Dwarf euryops	Groundcover/Perennial - C,F
	Eichholz smoke tree	Shrub - C,F	<i>Eustoma grandiflorum</i>	Dwarf euryops	Shrub - C,F
<i>Cotoneaster adpressus</i>	Praecox-early cotoneaster	Shrub - C,F	<i>Fatsia japonica</i>	Pink isianthus	Groundcover/Perennial - C,F
<i>Cotoneaster apiculatus</i>	Sibirica-Siberian cotoneaster	Shrub - C,F	<i>Fatsia japonica</i>	—	Shrub - C,F
<i>Cotoneaster congestus</i>	Pyrenees cotoneaster	Shrub - C,F	<i>Felicia amelloides</i>	Japanese aralia	Shrub - C,F
<i>Cotoneaster dammeri</i>	Bearberry cotoneaster	Shrub - C,F	<i>Festuca ovina glauca</i>	Blue marguerite	Shrub - C,F
<i>Cotoneaster himalayan</i>	Himalayan cotoneaster	Shrub - C,F	<i>Ficus benjamina</i>	Blue fescue	Groundcover/Perennial - C,F
<i>Cotoneaster horizontalis</i>	Rock cotoneaster	Shrub - C,F		Ficus	Tree - C,F
<i>Cotoneaster opiculata</i>	Cotoneaster	Shrub - C,F	<i>Forsythia intermedia</i>	Mini ficus	Tree - C,F
<i>Crataegus viridis</i>	Green hawthorn	Tree - F	<i>Forsythia x 'Spring glory'</i>	Forsythia, border	Shrub - C,F
<i>Cryptomeria japonica</i>	Japanese cryptomeria	Tree - C,F	<i>Fraxinus udhei</i>	Spring glory forsythia	Shrub - C,F
<i>Cupaniopsis anacardioides</i>	Carrot wood	Tree - F	<i>Fuchsia x 'Santa Claus'</i>	Shamel ash	Tree - C,F
<i>Cuphea hyssopifolia</i>	False or Mexican heather	Groundcover/Perennial - C,F	<i>Gallardia aristata</i>	Santa Claus fuchsia	Groundcover/Perennial - C,F
<i>Cupressocyparis x 'Emerald Isle'</i>	Emerald Island leyland cypress	Tree - C,F	<i>Gaillardia x grandiflora</i>	Blanket flower	Groundcover/Perennial - C,F
<i>Cupressus arizonica</i>	Arizona cypress	Tree - F	<i>Gardenia jasminoides</i>	Goblin blanket flower	Groundcover/Perennial - C,F
<i>Cupressus glabra</i>	Arizona cypress	Tree - F		August beauty gardenia	Shrub - C,F
<i>Cupressus sempervirens</i>	Italian cypress	Tree - C,F	<i>Gaultheria shallon</i>	Gardenia	Shrub - C,F
<i>Cycas revoluta</i>	Sago palm	Shrub - C,F	<i>Gaura lindheimeri</i>	Radican gardenia	Shrub - C,F
<i>Cyperus albostratus</i>	Dwarf umbrella grass	Groundcover/Perennial - C,F	<i>Gazania rigens leucolaena</i>	Salal/lemon leaf	Shrub - C,F
<i>Cytisus praecox</i>	Hollandia-warmminster broom	Shrub - C,F	<i>Gazania spp.</i>	Guara	Groundcover/Perennial - C,F
<i>Cytisus scoparius</i>	Lena-Scotch broom	Shrub - C,F	<i>Gelsemium sempervirens</i>	Gazania, trailing	Groundcover/Perennial - C,F
<i>Cytisus spp.</i>	Hollandia-Scotch broom	Shrub - F	<i>Geranium pilosa</i>	Gazania	Groundcover/Perennial - C,F
<i>Dahlia x 'Royal Dahlietta pink'</i>	Dwarf dahlia wendy pink	Groundcover/Perennial - C,F	<i>Geranium incanum</i>	Carolina jessamine	Shrub - C,F
<i>Daphne odora</i>	Fragrant daphne	Shrub - C,F	<i>Geranium subcaulescens</i>	Woodwaxen	Shrub - C,F
<i>Delosperma alba</i>	White iceplant	Groundcover/Perennial - F	<i>Ginkgo biloba</i>	Cranesbill	Groundcover/Perennial - C,F
<i>Descampsia caespitosa</i>	Descampsia	Groundcover/Perennial - C,F	<i>Gleditsia triacanthos</i>	Black-eyed magenta cranesbill	Groundcover/Perennial - C,F
<i>Deutzia crenata</i>	Nakiana-dwarf deutzia	Shrub - C,F	<i>Hakonechloa macroaureola</i>	Ginkgo (Maidenhair tree)	Tree - F
<i>Deutzia gracilis</i>	Slender gracilis	Shrub - C,F	<i>Hedera canariensis</i>	Honey locust	Tree - F
<i>Dianthus gratianopolitanus</i>	Crimson treasure cheddar pink	Groundcover/Perennial - C,F	<i>Hedera helix</i>	Shademaster honey locust	Tree - F
<i>Dicksonia antarctica</i>	Tasmanian tree fern	Tree - C,F	<i>Helichrysum petiolatum</i>	Golden hakonechloa	Groundcover/Perennial - C,F
<i>Dietes vegeta</i>	Fortnight lily	Groundcover/Perennial - C,F	<i>Helmercallis spp.</i>	Algerian ivy	Groundcover/Perennial - F
<i>Dodonea viscosa</i>	Hopspeed bush	Shrub - F	<i>Hesperaloe parviflora</i>	English ivy	Groundcover/Perennial - C,F
<i>Drosanthemum floribundum</i>	Trailing rosea iceplant	Groundcover/Perennial - F	<i>Heteromeles arbutiflora</i>	White licorice plant	Groundcover/Perennial - C,F
<i>Drosanthemum lidipidum</i>	Iceplant	Groundcover/Perennial - C,F	<i>Heuchera americana</i>	Daylily	Groundcover/Perennial - C,F
<i>Elaeagnus angustifolia</i>	Russian olive	Tree - C,F	<i>Heuchera micrantha</i>	Red yucca	Groundcover/Perennial - C,F
<i>Elaeagnus x 'Gilt edge'</i>	Gilt edge silverberry	Tree - C,F	<i>Hibiscus rosa-sinensis</i>	Tea - F	Tree - F
<i>Elaeagnus pungens</i>	Fruittand silver berry	Shrub - C,F		Toyon	Tree - F
<i>Ensete ventricosum</i>	Red absynnian banana	Groundcover/Perennial - C,F		Palace purple	Groundcover/Perennial - C,F
				Coral bells	Groundcover/Perennial - C,F
				Ross Estey-hibiscus	Shrub - C,F



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<i>Hibiscus syriacus</i>	Rose of Sharon, red bird Rose of Sharon, red heart Rose of Sharon, woodbridge Rose of Sharon, Aphrodite Rose of Sharon, Helene	Shrub - C,F Shrub - F Shrub - C,F Shrub - C,F Shrub - C,F	<i>Juniperus procumbens</i> <i>Juniperus prostrata</i> <i>Juniperus sabina</i>	Wiltonii-blue carpet juniper Nana-dwarf Japanese Garden juniper	Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F
<i>Hippeastrum hybrid</i>	Amaryllis	Groundcover/Perennial - C,F	<i>Juniperus scopulorum</i> <i>Juniperus squamata</i>	Emerald green juniper Blue juniper	Shrub - F Shrub - C,F
<i>Hosta 'Francee'</i>	Francee plantain lily	Groundcover/Perennial - C,F		Blue star juniper	Shrub - C,F
<i>Hosta lancifolia</i>	Albo-marginata hosta	Groundcover/Perennial - C,F		Parsonii juniper	Shrub - C,F
<i>Hosta x 'Patriot'</i>	Patriot plantain lily	Groundcover/Perennial - C,F		Eastern redcedar	Tree - C,F
<i>Hymenoxys acaulis</i>	Angelita daisy	Groundcover/Perennial - C,F	<i>Juniperus virginiana</i>	Mountain laurel	Shrub - C,F
<i>Hypericum spp.</i>	St. Johnswort	Groundcover/Perennial - C,F	<i>Kalmia latifolia</i>	Crape myrtle	Shrub - C,F
<i>Ilex aquifolium</i>	Balkans holly Gold coast holly	Shrub - F Shrub - F	<i>Lagerstroemia indica</i> <i>Lampranthus spectabilis</i> <i>Lantana spp.</i>	Trailing iceplant Lantana	Groundcover/Perennial - F Shrub - C,F
<i>Ilex aquipernyi</i>	San Jose holly	Shrub - C,F	<i>Lavandula angustifolia</i>	English lavender	Shrub - C,F
<i>Ilex attenuata</i>	Savannah holly	Shrub - C,F	<i>Lavandula latifolia</i>	English spike lavender	Shrub - C,F
<i>Ilex cornuta</i>	Burford holly Dwarf burford holly	Shrub - C,F Shrub - C,F	<i>Lavandula officianalis</i> <i>Leptospermum scoparium</i>	English lavender Broom teatree/manuka	Shrub - C,F Groundcover/Perennial - C,F
	Needle point holly	Shrub - C,F	<i>Leptospermum scoparium</i>	New Zealand tea tree	Shrub - C,F
<i>Ilex crenata</i>	Compacta-dwarf Japanese holly Convexa holly Dwarf Chinese holly Green luster holly	Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F	<i>Leucothoe axillaris</i> <i>Leucothoe fontanesiana</i> <i>Liatris spicata</i> <i>Ligustrum japonicum</i>	Coast leucothoe Drooping leucothoe Gay feather Japanese privet	Shrub - C,F Shrub - C,F Groundcover/Perennial - C,F Shrub - C,F
	Helleri-Heller's Japanese holly Hetzli's Japanese holly Stokesii Japanese holly	Shrub - C,F Shrub - C,F Shrub - C,F		Wax privet Yellow tip privet	Shrub - C,F Shrub - C,F
<i>Ilex glabra</i>	Compacta-compact inkberry holly Nordica-inkberry holly	Shrub - C,F Shrub - C,F	<i>Ligustrum lucidum</i> <i>Ligustrum ovalifolium</i> <i>Ligustrum texanum</i>	Glossy privet California privet Howardi privet	Shrub - C,F Shrub - F Shrub - C,F
<i>Ilex x meserveae</i>	Blue boy holly Blue girl holly China boy holly China girl holly	Shrub - C,F Shrub - C,F Shrub Shrub	<i>Ligustrum vicaryi</i>	Wax leaf privet Golden privet Vicary golden privet	Shrub - C,F Shrub - F Shrub - F
	Ebony magic holly	Shrub - F	<i>Ligustrum vulgare</i> <i>Limonium perezii</i> <i>Liquidambar styraciflua</i> <i>Liriope gigantea</i> <i>Liriope muscari</i>	Lodense privet Statice Sweetgum, American White lily turf Lilac beauty lily turf	Shrub - C,F Groundcover/Perennial - C,F Tree - F Groundcover/Perennial - C,F Groundcover/Perennial - C,F
<i>Ilex vomitoria</i>	Nana-dwarf yaupon holly Pendula-weeping yaupon holly Yaupon holly	Shrub - C,F Shrub - C,F Shrub - C,F		Majestic lily turf Monroe white lily turf Silvery sunproof lily turf Variegated liriope lily turf Big blue lily turf	Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F
<i>Illicium annisatum</i>	Mystery gardenia	Shrub - C,F		Green/creeping lily turf	Groundcover/Perennial - C,F
<i>Illicium floridanum</i>	Florida anise-tree	Tree - C,F	<i>Liriope spicata</i> <i>Livistona chinensis</i> <i>Lobelia erinus</i> <i>Lobularia maritima</i> <i>Lonicera fragrantissima</i> <i>Lonicera japonica</i> <i>Lonicera periclymenum</i>	Chinese fountain palm Lobelia Sweet alyssum Winter honeysuckle Japanese honeysuckle Flowering woodbine Serotina woodbine Trumpet honeysuckle	Shrub - F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Shrub - C,F Shrub - C,F Shrub - C,F
<i>Impatiens wallerana</i>	Busy lizzie	Groundcover/Perennial - C,F	<i>Lonicera sempervirens</i> <i>Loropetalum chinense</i> <i>Lysimachia punctata</i> <i>Magnolia grandiflora</i> <i>Mahonia aquifolium 'Compacta'</i> <i>Mahonia bealei</i> <i>Mahonia repens</i> <i>Mathiola incana</i> <i>Miscanthus sinensis</i> <i>Monarda didyma</i> <i>Moraea iridioides</i> <i>Morus alba</i>	Fringe flower Dotted loosestrife Magnolia, southern Dwarf Oregon grape Leather leaf mahonia Creeping mahonia Stock Eulalia grass Bee balm African iris White mulberry	Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Tree - C,F Shrub - C,F Shrub - C,F Shrub - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C,F Groundcover/Perennial - C, F Tree - F
<i>Iris pumila</i>	Yellow dwarf bearded iris	Groundcover/Perennial - C,F			
<i>Iris siberica</i>	Blue Siberian iris	Groundcover/Perennial - C,F			
<i>Itea ilicifolia</i>	Henry Garnet holly leaf sweetspire	Shrub - C,F			
<i>Ixora collinea</i>	Ixora	Shrub - C,F			
<i>Jasminum nitidum</i>	Angelwing jasmine	Groundcover/Perennial - C,F			
<i>Juniperus chinensis</i>	Hollywood juniper Media-old gold juniper Pfitzer juniper Pfitzerana glauca-blue juniper Pfitzerana-pfitzer juniper Sea green juniper	Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - F			
	Torulosa-hollywood juniper	Shrub - C,F			
<i>Juniperus conferta</i>	Emerald sea shore juniper Shore juniper	Shrub - C,F Shrub - C,F			
<i>Juniperus horizontalis</i>	Andorra juniper Bar harbor juniper Blue chip juniper Blue rug juniper Creeping juniper Dwarf Andorra juniper Huntington blue juniper Plumosa-andorra juniper	Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F Shrub - C,F			

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				<i>Pinus sylvestris</i>	White pine Tree - C,F
					Columnar Scotch pine Tree - C,F
					Scotch pine Tree - C,F
<i>Musa aluminata</i>	Banana	Tree - C,F		<i>Pinus thunbergiana</i>	Japanese black pine Tree - C,F
<i>Myrica cerifera</i>	Wax myrtle	Shrub - C,F		<i>Pittosporum tobira</i>	Green pittosporum Shrub - C,F
<i>Nandina domestica</i>	Compacta-dwarf heavenly bamboo	Shrub - C,F			Wheeler's dwarf pittosporum Shrub - C,F
	Harbour dwarf-heavenly bamboo	Shrub - C,F		<i>Platanus occidentalis</i>	American sycamore Tree - F
	Heavenly bamboo (Nandina)	Shrub - C,F		<i>Platanus racemosa</i>	California sycamore Tree - F
	Nana compacta-heavenly bamboo	Shrub - C,F		<i>Plumbago auriculata</i>	Blue cape plumbago Shrub - F
	Nana purpurea-heavenly bamboo	Shrub - C,F		<i>Plumbago capensis</i>	Plumbago Shrub - C,F
	Woods dwarf-heavenly bamboo	Shrub - C,F		<i>Podocarpus macrophyllus</i>	Yewpine Shrub - C,F
<i>Nerium oleander</i>	Hardy red oleander	Shrub - C,F		<i>Podocarpus</i> spp.	Podocarpus Tree - F
	Oleander	Shrub - C,F		<i>Polygala dalmaisiana</i>	Sweet pea shrub Shrub - C,F
	Ruby lace oleander	Shrub - C,F		<i>Polystichum polyblepharum</i>	Tassel fern Shrub - C,F
<i>Oenothera speciosa</i>	Siskiyou evening primrose	Groundcover/Perennial - C,F		<i>Populus deltoides</i>	Cottonwood Tree - F
<i>Ophiopogon japonicus</i>	Dwarf mondo grass	Groundcover/Perennial - C,F		<i>Potentilla fragiformis</i>	Cinquefoil Shrub - F
	Mondo grass	Groundcover/Perennial - C,F		<i>Potentilla fruticosa</i>	Cinquefoil Shrub - C,F
<i>Osmanthus fortunei</i>	Fortune's osmanthus	Shrub - C,F			Gold drop potentilla Shrub - F
<i>Osteospermum fruticosum</i>	Freeway daisy	Groundcover/Perennial - C,F			Goldfinger potentilla Shrub - C,F
<i>Oxydendrum arboreum</i>	Sourwood	Tree - C,F			Red ace potentilla Shrub - C,F
<i>Pachysandra terminalis</i>	Japanese spurge	Groundcover/Perennial - C,F			Sunset potentilla Shrub - C,F
<i>Pachysandra terminalis</i>	Japanese spurge	Shrub - C,F		<i>Potentilla verna</i>	Tangerine potentilla Shrub - C,F
<i>Parthenocissus quinquefolia</i>	Virginia creeper	Groundcover/Perennial - C,F		<i>Prosopis chilensis</i>	Spring cinquefoil Shrub - C,F
<i>Pelargonium peltatum</i>	Ivy geranium	Groundcover/Perennial - C,F		<i>Prunus glandulosa</i>	Chilean mesquite Tree - C,F
<i>Pelargonium x hortorum</i>	Zonal geranium	Groundcover/Perennial - C,F		<i>Prunus yedoensis</i>	Dwarf pink flowering almond Shrub - C,F
<i>Pennisetum alopecuroides</i>	Fountain grass	Groundcover/Perennial - C,F		<i>Prunus yedoensis</i>	Yoshino flowering cherry Tree - F
<i>Pennisetum setaceum</i>	Crimson fountain grass	Groundcover/Perennial - C,F		<i>Pyracantha fortuneana</i>	Lolendei Monrovia pyracantha Shrub - C,F
<i>Penstemon gentianoides</i>	Hartwig penstemon	Groundcover/Perennial - C,F			Monon pyracantha Shrub - F
<i>Penstemon x 'Apple blossom'</i>	Apple blossom penstemon	Groundcover/Perennial - C,F			Red elf hybrid pyracantha Shrub - F
<i>Pentas lanceolata</i>	Star clusters	Groundcover/Perennial - C,F			Rutgers hybrid pyracantha Shrub - C,F
<i>Perovskia atriplicifolia</i>	Russian sage	Groundcover/Perennial - C,F			Santa Cruz pyracantha Shrub - C,F
<i>Petunia-hybrids</i>	Garden petunias	Groundcover/Perennial - C,F		<i>Quercus ilicifolia</i>	Victory pyracantha Shrub - F
<i>Phalaris arundinacea picta</i>	Ribbon grass	Groundcover/Perennial - C,F		<i>Quercus palustris</i>	Bear oak Tree - F
<i>Phoenix roebelenii</i>	Pigmy date palm	Shrub - C,F		<i>Quercus phellos</i>	Pin oak Tree - F
<i>Photinia fraseri</i>	Fraser's photinia	Shrub - C,F		<i>Quercus phellos</i>	Willow oak Tree - C,F
<i>Picea abies</i>	Pendula-weeping Norway spruce	Tree - C,F		<i>Quercus rubra</i>	Red oak Tree - C,F
	Repens-spreading Norway spruce	Tree - C,F		<i>Quercus virginiana</i>	Live oak Tree - C,F
	Norway spruce	Tree - C,F		<i>Ratbida columnifera</i>	Mexican hat Groundcover/Perennial - C,F
<i>Picea glauca</i>	Conica-dwarf Alberta spruce	Tree - C,F		<i>Rhaphiolepis indica</i>	Charisma-Monruce rhaphiolepis Shrub - C,F
<i>Picea glauca conica</i>	Dwarf Alberta spruce	Tree - F			Enchantress-Moness rhaphiolepis Shrub - F
<i>Picea pungens</i>	Dwarf globe blue spruce	Tree - C,F			Rhaphiolepis (India Hawthorn) Shrub - C,F
	Glauca-Colorado blue spruce	Tree - C,F		<i>Rhaphiolepis ovata</i>	Springtime-Monme rhaphiolepis Shrub - F
	Hoopsii-Hoop's blue spruce	Tree - C,F		<i>Rhododendron calendulaceum</i>	Roundleaf rhaphiolepis Shrub - C,F
	Koster-Koster blue spruce	Tree - F			Cannon's double azalea Shrub - C,F
<i>Pieris japonica</i>	Lily-of-the-valley	Shrub - C,F			Flame azalea Shrub - F
	Mountain fire lily-of-the-valley	Shrub - C,F			Golden flare azalea Shrub - C,F
	Snowdrift lily-of-the-valley	Shrub - C,F			Klondike azalea Shrub - C,F
	Temple bells lily-of-the-valley	Shrub - C,F		<i>Rhododendron campylocarpum</i>	Butterfly rhododendron Shrub - F
	Valley rose lily-of-the-valley	Shrub - C,F		<i>Rhododendron carolinianum x daurium</i>	
	Valley valentine lily-of-the-valley	Shrub - C,F		<i>Rhododendron catawbiense</i>	PJM rhododendron Shrub - C,F
<i>Pieris japonica forestii</i>	Forest flame lily-of-the-valley	Shrub - C,F			Catawba album rhododendron Shrub - C,F
<i>Pinus aristata</i>	Bristlecone pine	Tree - F			Catawba rhododendron Shrub - C,F
<i>Pinus canariensis</i>	Canary Island pine	Tree - F		<i>Rhododendron caucasicum x ponticum</i>	Lord Roberts rhododendron Shrub - C,F
<i>Pinus contorta</i>	Shore pine, beach pine	Tree - F		<i>Rhododendron exbury</i>	Rocket rhododendron Shrub - C,F
<i>Pinus eldarica</i>	Eldarica pine	Tree - C,F			Cunningham White rhododendron Shrub - C,F
<i>Pinus leucodermis</i>	Bosnian pine	Tree - C,F			Cannon's double azalea Shrub - C,F
<i>Pinus mugo</i>	Pumilio-shrubby swiss mountain pine	Tree - C,F			Golden flare azalea Shrub - C,F
<i>Pinus mugo</i>	Mugo-mugho pine	Shrub - C,F		<i>Rhododendron forrestii repens</i>	Klondike azalea Shrub - C,F
<i>Pinus nigra</i>	Austrian black pine	Tree - C,F		<i>Rhododendron forrestii x griersonianum</i>	Gomer Waterer rhododendron Shrub - C,F
<i>Pinus radiata</i>	Monterey pine	Tree - F			Elizabeth rhododendron Shrub - C,F
<i>Pinus strobus</i>	Eastern white pine	Tree - C, F		<i>Rhododendron griffithianum</i>	Jean Marie rhododendron Shrub - C,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

Apply Quali-Pro T/I 2.5 G for control of susceptible annual weeds in ornamental bulbs such as bulbous iris, daffodil (*narcissus*), hyacinth, and tulip grown only in landscape settings. Apply Quali-Pro T/I 2.5 G to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. Quali-Pro T/I 2.5 G may also be applied following bulb emergence but prior to flowering and after flowering. For fall-planted bulbs, apply Quali-Pro T/I 2.5 G again in late winter or early spring to weed-free soil surfaces.

Specific Use Precautions:

- Do not use Quali-Pro T/I 2.5 G in bulb production fields.
- Do not apply to tulip plants that have emerged to a height greater than 3/4 inch.
- Do not apply to gladiolus prior to emergence or if corns are less than one inch in diameter.
- Do not apply to bulbs while they are flowering.

SHADEHOUSE AREAS

Quali-Pro T/I 2.5 G 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 greenhouse or poly-type structures.

NON-CROPLAND AREAS

Use Quali-Pro T/I 2.5 G as a preemergence treatment for control of certain broadleaf weeds and annual grasses on non-cropland areas such as industrial sites, utility substations, highway guardrails, sign posts, delineators, etc. Apply Quali-Pro T/I 2.5 G anytime prior to germination of target weeds. Areas to be treated must be free of established weeds or existing weeds controlled with postemergence herbicides.

Refer to the **PRODUCT INFORMATION, APPLICATION INSTRUCTIONS, GRASS AND BROADLEAF WEEDS CONTROLLED OR SUPPRESSED WITH QUALI-PRO T/I 2.5 G, and USE PRECAUTIONS AND RESTRICTIONS** sections of this label for more rates, weeds controlled, and other information.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. In case of leak or spill, 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 in a sanitary landfill, or by incineration in accordance with applicable regulations, 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.

Nonrefillable Container (rigid - greater than fifty lbs): 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. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, 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, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.**

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

Quali-Pro is a registered trademark of Makhteshim Agan of North America, Inc.
Snapshot is a registered trademark of Dow AgroSciences LLC





QUALI-PRO

T/I 2.5 G

Herbicide

A broad-spectrum preemergence herbicide for use in Christmas Tree Plantations, Non-Bearing Fruit and Nut Trees, Non-Bearing Vineyards, Non-Cropland, and Ornamentals (container and field grown, groundcovers/perennials, and landscape) for control of certain broadleaf weeds and annual grasses.

Contains isoxaben and trifluralin, the active ingredients used in Snapshot® 2.5 TG.
Quali-Pro T/I 2.5 G is not manufactured or distributed by Dow AgroSciences LLC.

ACTIVE INGREDIENT:	% BY WT.
Trifluralin: α, α, α -trifluoro-2,6-dinitro- <i>N,N</i> -dipropyl- <i>p</i> -toluidine	2.0%
Isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide and isomers	0.5%
OTHER INGREDIENTS:	97.5%
TOTAL:	100.0%

Contains 1.25 lb active ingredient (1.0 lb trifluralin and 0.25 lb isoxaben) per 50 lb bag

EPA Reg. No. 66222-224

EPA Est. No. 5905-IA-001^{HD}; 37429-GA-001^{BT}; 37429-GA-002^{BO}; 48234-GA-001^R
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF INHALED:	<ul style="list-style-type: none"> • 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.
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 IN EYES:	<ul style="list-style-type: none"> • 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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.	

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

Manufactured for: **Makhteshim Agan of North America, Inc.**
4515 Falls of Neuse Road, Suite 300
Raleigh, NC 27609

FG # 13967

Net Contents: 50 Pounds

13965
EPA 112310/Rev C