

# 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. |
|---|----------|
| <b>Trifluralin:</b> $\alpha, \alpha, \alpha$ -trifluoro-2,6-dinitro- <i>N, N</i> -dipropyl- <i>p</i> -toluidine | 2.0%     |
| <b>Isoxaben:</b> N-[3-(1-ethyl-1-methylpropyl)-5-isoxazoly]-2,6-dimethoxybenzamide and isomers                  | 0.5%     |
| <b>OTHER INGREDIENTS:</b>   | 97.5%    |
| <b>TOTAL:</b>   | 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. 48234-GA-001

## KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID  |   |
|--|---|
| <b>IF INHALED:</b>   | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>   |
| <b>IF SWALLOWED:</b>   | <ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |
| <b>IF IN EYES:</b>   | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |
| 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

**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 G<sup>1</sup>**

| Rate<br>Lbs/Acre | Amount/1000 sq ft |      | Amount/100 sq ft |      |
|------------------|-------------------|------|------------------|------|
|                  | 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  |

<sup>1</sup> 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/1 2.5 G into the upper 1-2 inches of soil. Without proper activation of Quali-Pro T/1 2.5 G, poor weed control is likely to occur.

### APPLICATION INSTRUCTIONS

Since Quali-Pro T/1 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/1 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/1 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/1 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/1 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/1 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/1 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/1 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 Makhshim Agan of North America, Inc. or the spreader manufacturer.

| Settings for Warren T-7 II Spreader <sup>1</sup> |              |              |              |
|--|--------------|--------------|--------------|
| Target Rate of Quali-Pro T/1 2.5 G               |              |              |              |
| Speed (mph)                                      | 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            |

<sup>1</sup> 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/1 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/1 2.5 G by aerial application.

Accidental application to turf may occur when applying Quali-Pro T/1 2.5 G to ornamental plantings. Quali-Pro T/1 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/1 2.5 G on Species Not Listed on the Label:** Injury may occur if Quali-Pro T/1 2.5 G is applied to plant species not listed on this label. If users wish to apply Quali-Pro T/1 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/1 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/1 2.5 G on plant species not listed on this label.

**Special Use Precautions:** To avoid possible injury, do not apply Quali-Pro T/1 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/1 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 (*Grypsophila 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 catawbiense 'Roseum elegans'*), stonecrop (*Sedum* spp.), wine periwinkle (*Vincaminor 'Atropurpurea'*), green yucca (*Yucca recurvifolia*).

### GRASS AND BROADLEAF WEEDS CONTROLLED OR SUPPRESSED WITH QUALI-PRO T/1 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  
nightshade, 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*  
*Coryza bonariensis*  
*Coryza ramosissima*  
*Physalis lanceifolia*  
*Lamium amplexicaule*  
*Coryza 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 pensylvanicum*  
*Sonchus oleraceus*  
*Veronica peregrina*  
*Heterotheca grandiflora*  
*Salsola iberica*

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

**Grasses**

**Common Name**

foxtail, giant  
lovegrass  
ryegrass, annual

**Scientific Name**

*Setaria faberi*  
*Eragrostis* spp.  
*Lolium multiflorum*

**Broadleaf Weeds**

**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 theiophrastii*  
*Oxalis stricta*

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

**Grasses**

**Common Name**

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

**Scientific Name**

*Hordeum leporinum*  
*Bromus* spp.  
*Bromus secalinus*  
*Vulpia myuros*  
*Eleusine indica*  
*Cenchrus incertus*  
*Brachiaria* spp.  
*Eragrostis ciliaris*

**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  
oxtongue, 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*  
*Impatiens 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 Growth;**

**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 - C,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>Anisodonteia 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>           | Chirimen marberry            | Shrub - C,F                         |
| <i>Areacastrum 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 nipponicum*  
*Baccharis pilularis*  
*Begonia cordifolia*  
*Begonia semperflorens*  
*Berberis gladywensii*  
*Berberis mentenosii*  
*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  
Swan river daisy new amethyst  
Black olive  
Japanese boxwood  
Korean boxwood  
Common boxwood  
Green velvet boxwood  
Lemon bottlebrush  
Weeping bottlebrush  
China aster  
Spring torch Scotch heather  
Camellia  
Sedge  
Large leaf ice plant  
Dark knight bluebeard  
Feathery cassia  
Madagascar periwinkle  
Wild lilac  
Plum yew  
Snow in the summer  
Snow-in-summer  
Carob  
Dwarf plumbago  
Redbud  
Fillicoids-fernspray cypress  
Graillix-slender Hinoki cypress  
Kosteri cypress  
Nana-dwarf Hinoki cypress  
Torulosa cypress  
Sawara-false cypress  
Squarrosa-moss cypress  
Baileyi-dogwood  
Flaviramea-dogwood  
Squarrosa minima cypress  
Fillifera-thread cypress

*Betula nigra*  
*Betula papyrifera*  
*Bidens ferulifolia*  
*Bougainvillea* spp.

*Brachycton populneus*  
*Brachycome x 'New amethyst'*  
*Bucida buceras*  
*Buxus microphylla japonica*  
*Buxus microphylla koreana*  
*Buxus sempervirens*  
*Buxus x 'Green velvet'*  
*Callistemon citrinus*  
*Callistemon viminalis*  
*Callistepheus chinensis*  
*Calluna vulgaris*  
*Camellia japonica*  
*Carex* spp.  
*Caryobrotus edulis*  
*Caryopteris x clandoneni*  
*Cassia artemisioides*  
*Catharanthus roseus*  
*Ceanothus* spp.  
*Cephalotaxus drupaceae*  
*Cerastium tomentosum*  
*Cerastium tomentosum*  
*Ceratonia siliqua*  
*Ceratostigma plumbaginoides*  
*Cercis canadensis*  
*Chamaecyparis obtusa*  
*Chamaecyparis obtusa*  
*Chamaecyparis obtusa*  
*Chamaecyparis pisifera*  
*Chamaecyparis pisifera*  
*Chamaecyparis pisifera*

| Scientific Name                         | Common Name                    | Treatment Method:<br>C = Container Grown;<br>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>         | Coolibah tree                  | Tree - C, F                 |
| <i>Cleyera japonica</i>                 | Japanese cleyera               | Shrub - C,F  | <i>Eucalyptus sideroxyton</i>        | Eucalyptus, red ironbark       | Tree - F                    |
| <i>Clivia miniata</i>                   | Kafir lily                     | Groundcover/Perennial - C,F                                  | <i>Eugenia myrtifolia</i>            | Dwarf brush cherry             | Shrub - C,F                 |
| <i>Colonema pulchrum</i>                | Pink breath of heaven          | Shrub - C,F  | <i>Euonymus fortunei</i>             | Canada gold euonymus           | Shrub - C,F                 |
| <i>Convolvulus cheorum</i>              | Bush morning glory             | Shrub - C,F  |                                      | Emerald 'n gold euonymus       | Shrub - F                   |
| <i>Coreopsis verticillata</i>           | Threadleaf coreopsis           | Groundcover/Perennial - C,F                                  | <i>Euonymus japonica</i>             | Sunspot euonymus               | Shrub - C,F                 |
| <i>Cornus alba</i>                      | Sibirica-Siberian dogwood      | Shrub - C,F  |                                      | Silver king euonymus           | Shrub - F                   |
| <i>Cornus florida</i>                   | Cloud nine dogwood             | Tree - C,F   | <i>Euonymus kiautschovica</i>        | Variiegated evergreen euonymus | Shrub - C, F                |
|   | Dogwood, flowering             | Tree - C,F   | <i>Euonymus vegetus</i>              | Spreading euonymus             | Shrub - C,F                 |
| <i>Cornus stolonifera</i>               | Baileyi-redosier dogwood       | Shrub - F  | <i>Euonymus x 'Aurea variegatus'</i> | Bigleaf wintercreeper          | Shrub - C,F                 |
|   | Flavrimeara-yellowtwig dogwood | Shrub - F  | <i>Euonymus x 'Chollipo'</i>         | Gold spot euonymus             | Shrub - C,F                 |
| <i>Cortaderia selloana</i>              | Pampas grass                   | Groundcover/Perennial - C,F                                  | <i>Euryops pectinatus</i>            | Chollipo euonymus              | Shrub - C,F                 |
| <i>Cotinus coggygria</i>                | Royal purple smoke tree        | Shrub - C,F  | <i>Euryops pectinatus</i>            | Dwarf euryops                  | Groundcover/Perennial - C,F |
| <i>Cotinus dammeri</i>                  | Coral beauty smoke tree        | Shrub - C,F  | <i>Eustoma grandiflorum</i>          | Dwarf euryops                  | Shrub - C,F                 |
|   | Eichholz smoke tree            | Shrub - C,F  | <i>Fatsihedra japonica</i>           | Pink isianthus                 | Groundcover/Perennial - C,F |
| <i>Cotoneaster adpressus</i>            | Praecox-early cotoneaster      | Shrub - C,F  | <i>Fatsia japonica</i>               | —                              | Shrub - C,F                 |
| <i>Cotoneaster apiculatus</i>           | Sibirica cotoneaster           | Shrub - C,F  | <i>Felicia amelloides</i>            | Japanese aralia                | Shrub - C,F                 |
| <i>Cotoneaster congestus</i>            | Pyrenees cotoneaster           | Shrub - C,F  | <i>Festuca ovina glauca</i>          | Blue marguerite                | Shrub - C,F                 |
| <i>Cotoneaster dammeri</i>              | Bearberry cotoneaster          | Shrub - C,F  | <i>Ficus benjamina</i>               | Blue fescue                    | Groundcover/Perennial - C,F |
| <i>Cotoneaster himalayan</i>            | Himalayan cotoneaster          | Shrub - C,F  |                                      | Ficus                          | Tree - C,F                  |
| <i>Cotoneaster horizontalis</i>         | Rock cotoneaster               | Shrub - C,F  | <i>Forsythia intermedia</i>          | Mini ficus                     | Tree - C,F                  |
| <i>Cotoneaster opiculata</i>            | Cotoneaster                    | Shrub - C,F  | <i>Forsythia x 'Spring glory'</i>    | Forsythia, border              | Shrub - C,F                 |
| <i>Crataegus viridis</i>                | Green hawthorn                 | Tree - F   | <i>Fraxinus udae</i>                 | Spring glory forsythia         | Shrub - C,F                 |
| <i>Cryptomeria japonica</i>             | Japanese cryptomeria           | Tree - C,F   | <i>Fuchsia x 'Santa Claus'</i>       | Shamel ash                     | Tree - C,F                  |
| <i>Cupaniopsis anacardioides</i>        | Carrot wood                    | Tree - F   | <i>Gaillardia aristata</i>           | Santa Claus fuchsia            | Groundcover/Perennial - C,F |
| <i>Cuphea hyssopifolia</i>              | False or Mexican heather       | Groundcover/Perennial - C,F                                  | <i>Gaillardia x grandiflora</i>      | Blanket flower                 | Groundcover/Perennial - C,F |
| <i>Cupressocyparis x 'Emerald Isle'</i> | Emerald Island leyland cypress | Tree - C,F   | <i>Gardenia jasminoides</i>          | Goblin blanket flower          | Groundcover/Perennial - C,F |
| <i>Cupressus arizonica</i>              | Arizona cypress                | Tree - F   |                                      | August beauty gardenia         | Shrub - C,F                 |
| <i>Cupressus glabra</i>                 | Arizona cypress                | Tree - F   | <i>Gaultheria shallon</i>            | Gardenia                       | Shrub - C,F                 |
| <i>Cupressus sempervirens</i>           | Italian cypress                | Tree - C,F   | <i>Gaura lindheimeri</i>             | Radican gardenia               | Shrub - C,F                 |
| <i>Cycas revoluta</i>                   | Sago palm                      | Shrub - C,F  | <i>Gazania rigens leucolaena</i>     | Salal/lemon leaf               | Shrub - C,F                 |
| <i>Cyperus albobstriatus</i>            | Dwarf umbrella grass           | Groundcover/Perennial - C,F                                  | <i>Gazania spp.</i>                  | Guara                          | Groundcover/Perennial - C,F |
| <i>Cytisus praecox</i>                  | Hollandia-warminster broom     | Shrub - C,F  | <i>Gelsemium sempervirens</i>        | Gazania, trailing              | Groundcover/Perennial - C,F |
| <i>Cytisus scoparius</i>                | Lena-Scotch broom              | Shrub - C,F  | <i>Genista pilosa</i>                | Gazania                        | Groundcover/Perennial - C,F |
| <i>Cytisus spp.</i>                     | Hollandia-Scotch broom         | Shrub - F  | <i>Geranium incanum</i>              | Carolina jessamine             | Shrub - C,F                 |
| <i>Dahlia x 'Royal Dahlietta pink'</i>  | Dwarf dahlia wendy pink        | Groundcover/Perennial - C,F                                  | <i>Geranium subcaulescens</i>        | Woodwaxen                      | Shrub - C,F                 |
| <i>Daphne odora</i>                     | Fragrant daphne                | Shrub - C,F  | <i>Geranium subcaulescens</i>        | Cranesbill                     | Groundcover/Perennial - C,F |
| <i>Delosperma alba</i>                  | White iceplant                 | Groundcover/Perennial - F                                    | <i>Ginkgo biloba</i>                 | Black-eyed magenta cranesbill  | Groundcover/Perennial - C,F |
| <i>Descampsia caespitosa</i>            | Descampsia                     | Groundcover/Perennial - C,F                                  | <i>Gleditsia triacanthos</i>         | Ginkgo (Maidenhair tree)       | Tree - F                    |
| <i>Deutzia crenata</i>                  | Nakiana-dwarf deutzia          | Shrub - C,F  |                                      | Honey locust                   | Tree - F                    |
| <i>Deutzia gracilis</i>                 | Slender gracilis               | Shrub - C,F  | <i>Hakonechloa macroaureola</i>      | Shademaster honey locust       | Tree - F                    |
| <i>Dianthus gratianopolitanus</i>       | Crimson treasure cheddar pink  | Groundcover/Perennial - C,F                                  | <i>Hedera canariensis</i>            | Golden hakonechloa             | Groundcover/Perennial - C,F |
| <i>Dicksonia antarctica</i>             | Tasmanian tree fern            | Tree - C,F   | <i>Hedera helix</i>                  | Algerian ivy                   | Groundcover/Perennial - F   |
| <i>Dietes vegeta</i>                    | Fortnight lily                 | Groundcover/Perennial - C,F                                  | <i>Helichrysum petiolatum</i>        | English ivy                    | Groundcover/Perennial - C,F |
| <i>Dodonea viscosa</i>                  | Hoopseed bush                  | Shrub - F  | <i>Heimerocallis spp.</i>            | White licoicne plant           | Groundcover/Perennial - C,F |
| <i>Drosanthemum floribundum</i>         | Trailing rosea iceplant        | Groundcover/Perennial - F                                    | <i>Hesperaloe parviflora</i>         | Daylily                        | Groundcover/Perennial - C,F |
| <i>Drosanthemum hispidum</i>            | Iceplant                       | Groundcover/Perennial - C,F                                  | <i>Heteromeles arbutiflora</i>       | Red yucca                      | Groundcover/Perennial - C,F |
| <i>Elaeagnus angustifolia</i>           | Russian olive                  | Tree - C,F   | <i>Heuchera americana</i>            | Toyon                          | Tree - F                    |
| <i>Elaeagnus x 'Gilt edge'</i>          | Gilt edge silverberry          | Tree - C,F   | <i>Heuchera micrantha</i>            | Palace purple                  | Groundcover/Perennial - C,F |
| <i>Elaeagnus pungens</i>                | Fruitland silver berry         | Shrub - C,F  | <i>Hibiscus rosa-sinensis</i>        | Coral bells                    | Groundcover/Perennial - C,F |
| <i>Ensete ventricosum</i>               | Red absynnian banana           | Groundcover/Perennial - C,F                                  |                                      | Ross Estey-hibiscus            | Shrub - C,F                 |



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

| Scientific Name                    | Common Name                         | Treatment Method:<br>C = Container Grown;<br>F = Field Grown |   | White pine                      | Tree - C,F                  |
|------------------------------------|-------------------------------------|--|---|---------------------------------|-----------------------------|
|                                    |                                     |  | <i>Pinus sylvestris</i>                       | 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>           | Compact-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 spp.</i>                        | 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                                  |   | 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  |   | Tangerine potentilla            | Shrub - C,F                 |
| <i>Parthenocissus quinquefolia</i> | Virginia creeper                    | Groundcover/Perennial - C,F                                  | <i>Potentilla verna</i>                       | Spring cinquefoil               | Shrub - C,F                 |
| <i>Pelargonium peltatum</i>        | Ivy geranium                        | Groundcover/Perennial - C,F                                  | <i>Prosopis chilensis</i>                     | Chilean mesquite                | Tree - C,F                  |
| <i>Pelargonium x hortorum</i>      | Zonal geranium                      | Groundcover/Perennial - C,F                                  | <i>Prunus glandulosa</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>Pyraecantha fortuneana</i>                 | Lolendei Monrovia pyraecantha   | Shrub - C,F                 |
| <i>Penstemon gentianoides</i>      | Hartwig penstemon                   | Groundcover/Perennial - C,F                                  |   | Monon pyraecantha               | Shrub - F                   |
| <i>Penstemon x 'Apple blossom'</i> | Apple blossom penstemon             | Groundcover/Perennial - C,F                                  |   | Red ell hybrid pyraecantha      | Shrub - F                   |
| <i>Pentas lanceolata</i>           | Star clusters                       | Groundcover/Perennial - C,F                                  |   | Rutgers hybrid pyraecantha      | Shrub - C,F                 |
| <i>Perovskia atriplicifolia</i>    | Russian sage                        | Groundcover/Perennial - C,F                                  |   | Santa Cruz pyraecantha          | Shrub - C,F                 |
| <i>Petunia-hybrids</i>             | Garden petunias                     | Groundcover/Perennial - C,F                                  | <i>Quercus ilicifolia</i>                     | Victory pyraecantha             | 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 rubra</i>                          | Willow oak                      | Tree - C,F                  |
| <i>Picea abies</i>                 | Pendula-weeping Norway spruce       | Tree - C,F   | <i>Quercus virginiana</i>                     | Red oak                         | Tree - C,F                  |
|                                    | Repens-spreading Norway spruce      | Tree - C,F   | <i>Ratbida columnifera</i>                    | Live oak                        | Tree - C,F                  |
|                                    | Norway spruce                       | Tree - C,F   | <i>Rhaphiolepis indica</i>                    | Mexican hat                     | Groundcover/Perennial - C,F |
| <i>Picea glauca</i>                | Conica-dwarf Alberta spruce         | Tree - C,F   |   | 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                   |
|                                    | Hoopst-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  | <i>Rhododendron campylocarpum</i>             | Klondike azalea                 | Shrub - C,F                 |
|                                    | Temple bells lily-of-the-valley     | Shrub - C,F  | <i>Rhododendron carolinianum x daurium</i>    | Butterfly rhododendron          | Shrub - F                   |
|                                    | Valley rose lily-of-the-valley      | Shrub - C,F  |   |                                 |                             |
|                                    | 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   |   |                                 |                             |
| <i>Pinus leucodermis</i>           | Bosnian pine                        | Tree - C,F   |   | Cunningham White rhododendron   | Shrub - C,F                 |
| <i>Pinus mugo</i>                  | Pumilio-shrubby swiss mountain pine | Tree - C,F   |   | Cannon's double azalea          | Shrub - C,F                 |
| <i>Pinus mugo</i>                  | Mugo-mugho pine                     | Shrub - C,F  | <i>Rhododendron forrestii repens</i>          | Golden flare azalea             | Shrub - C,F                 |
| <i>Pinus nigra</i>                 | Austrian black pine                 | Tree - C,F   | <i>Rhododendron forrestii x griersonianum</i> | Klondike azalea                 | Shrub - C,F                 |
| <i>Pinus radiata</i>               | Monterey pine                       | Tree - F   |   | Gomer Waterer rhododendron      | Shrub - C,F                 |
| <i>Pinus strobus</i>               | Eastern white pine                  | Tree - C, F  | <i>Rhododendron griffithianum</i>             | Elizabeth rhododendron          | Shrub - C,F                 |
|                                    |                                     |  |   | 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 corms 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<sup>®</sup>

## 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<sup>®</sup> 2.5 TG.  
Quali-Pro T/I 2.5 G is not manufactured or distributed by Dow AgroSciences LLC.

**ACTIVE INGREDIENT:**

|  | <b>% BY WT.</b> |
|--|-----------------|
| <b>Trifluralin:</b> $\alpha, \alpha, \alpha$ -trifluoro-2,6-dinitro- <i>N,N</i> -dipropyl- <i>p</i> -toluidine | 2.0%            |
| <b>Isoxaben:</b> N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide and isomers                | 0.5%            |
| <b>OTHER INGREDIENTS:</b>  | 97.5%           |
| <b>TOTAL:</b>  | 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. 48234-GA-001

### KEEP OUT OF REACH OF CHILDREN CAUTION

| <b>FIRST AID</b>   |   |
|--|---|
| <b>IF INHALED:</b>   | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>   |
| <b>IF SWALLOWED:</b>   | <ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |
| <b>IF IN EYES:</b>   | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |
| 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