

PM 25

REG# 7969-88

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Label Approval Pending In California

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VANTAGE™ Herbicide

For Use In Nonbearing Food Crops, Ornamental and Nursery planting, Rights of Way, Non Food Crop Areas, Fallow Land and For Controlling Grasses, Tall Fescue Growth Suppression and For Broad Spectrum Weed Control Tank Mixed with Goal 1.6E Herbicide in Tree Farms.

Active ingredient

2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one13%

Inert ingredients.....87%

*Equivalent to 1.0 pound per gallon

EPA Reg. No. 7969-88

KEEP OUT OF REACH OF CHILDREN.

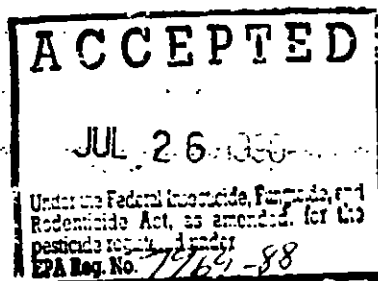
CAUTION

Causes moderate eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

If in eyes: Flush with plenty of water. Call a physician if irritation persists. If on skin: Wash with plenty of soap and water. Get medical attention. If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, large quantities of water. Avoid alcohol.

BASF Corporation

P. O. Box 13528, Research Triangle Park, NC 27709-3528



Environmental Hazards

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal law.

Directions For Use

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

VANTAGE™ herbicide may be applied as an over-the-top treatment on a large number of nonbearing food crops, trees, shrubs, bedding plants and ground covers and drug and medicinal crops (see appendix for listing). In addition VANTAGE may be used in non crop areas which include: rights-of-way, roadsides, and other paved areas, along fence and hedgerows, public buildings, recreation areas, industrial sites, storage yards, airports, electric transformer stations, pipeline pumping stations, sewage disposal areas, on potting and top soils, uncultivated agricultural areas and general indoor/outdoor sites.

VANTAGE does not control sedges (annual or perennial), annual bluegrass or broadleaf weeds. Red fescue, creweings fescue, hard fescue, annual bluegrass and dicondra turfs are also tolerant of VANTAGE. Since many grass crops such as sorghum, corn, small grains and rice, as well as many other ornamental turf grasses, are susceptible to VANTAGE, avoid all direct or indirect contact with any grass crop.

Applications of Vantage may be made to nonbearing food crops, trees, shrubs, ornamentals, bedding plants and ground covers listed in the Appendix. Consult the Table of Nonbearing Food Crops, Nursery Liners, Trees, Shrubs, Ornamentals, Bedding Plants and Ground Covers.

Control Symptoms: VANTAGE rapidly enters grass plants through the foliage and translocates throughout the plant. Control symptoms exhibited by the grass plant progress from a slowing or stopping of growth (generally within two days), to reddening of the foliage and to leaf tip burn. Subsequently, burn back of the foliage occurs. This will generally be observed within three weeks depending on environmental conditions.

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Application Information

Apply VANTAGE herbicide to actively growing grasses when they are at the proper growth stage as specified by the Recommendations for Grass Control.

Ground Equipment: Thorough spray coverage of grass foliage is essential. For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles. Application of VANTAGE with control crop applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control. Use a minimum volume of 5 gallons and a maximum volume of 50 gallons of spray solution per acre. Adjust pressure to a minimum of 30 psi and a maximum of 60 psi at the nozzle.

Always adjust spray pressure, spray volume and height of spray boom to ensure thorough coverage of grasses to be controlled.

Do not use selective application equipment such as recirculating sprayers or wiper applicators.

Air Equipment: Thorough spray coverage of grass foliage is essential. Use a minimum of 5 gallons of water per acre. Increase water volume to 10 gallons per acre if grass foliage is dense or a heavy plant canopy exists.

Cultivation Information

Do not cultivate within 5 days prior to VANTAGE application or within 7 days following application. A timely cultivation 14 to 21 days may aid in providing control of quackgrass. Do not mow within 20 days prior to application or within 7 days after application.

General Restrictions And Limitations

Do not apply if rainfall is expected within one hour following application as grass control will probably be unsatisfactory.

Do not apply VANTAGE through any type of irrigation system.

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Notice To User

Due to variability within species and in application techniques neither the manufacturer or the Seller has determined whether or not VANTAGE can safely be used on all varieties and species of nonbearing food crops, trees, shrubs, ornamentals, bedding plants, ground covers, nursery and other non-food crops under all conditions. It is therefore recommended that the professional user should determine if VANTAGE can be used safely prior to broad use.

This determination can be made in the following manner:

On a small test area apply a recommended use rate of VANTAGE on a non-labeled species or variety under the conditions expected to be encountered. Any adverse effects should be visible within seven days.

RECOMMENDATIONS FOR GRASS CONTROL WITH VANTAGE- BROADCAST APPLICATION TABLE

- o Apply to actively growing grasses at the sizes indicted below. Grasses that have been mown or have regrown from mowed stubble may result in poor control.
- o Follow water volume and spray pressure recommendations.
- o In irrigated areas it may be necessary to irrigate prior to treatment with VANTAGE to ensure weeds are growing actively.
- o Repeat applications if new germination or regrowth occurs.

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ANNUAL GRASS CONTROL WITH VANTAGE

GRASS	VANTAGE RATE	
	GRASS UP TO 6" HEIGHT	GRASS UP TO 12" HEIGHT
Barnyardgrass		
Broadleaf Signalgrass		
Fall Panicum		
Foxtails		
Giant		
Green		
Yellow		
Goosegrass		
Johnsongrass, Seedling	36 Fl. Oz./	60 Fl. Oz./
Junglerice	Acre	Acre
Large Crabgrass	-or-	-or-
Lovegrass	0.8 Fl. Oz./	1.4 Fl. Oz./
Orchardgrass, Seedling	1000 Sq. Ft.	1000 Sq. Ft.
Red Sprangletop*		
Smooth Crabgrass		
Tall Fescue, Seedling		
Texas Panicum		
Shattercane/Wildcane		
Wild Proso Millet		
Witchgrass		
Woolly Cupgrass		
* Not recommended in CA, AZ, or Western NM.		

PERENNIAL GRASS CONTROL WITH VANTAGE

GRASS	MAXIMUM SIZE RANGE	VANTAGE RATE PER ACRE	VANTAGE RATE PER ACRE 1000 SQ. FT.
Bermudagrass	Up to 6" Runners	60 Fluid Ounces	1.4 Fluid Ounces
Johnsongrass, Rhizome	15-20" Height		
Quackgrass	6-8" Height		
Wirestem Muhly	Up to 6" Height	36 Fluid Ounces	0.8 Fluid Ounces

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Spot Treatment Application with VANTAGE

For control of grasses when using knapsack sprayers or equipment utilizing hand guns or other suitable nozzle arrangements, prepare a solution of VANTAGE in water according to the table below. Apply to actively growing grasses at the sizes indicated below. Apply to the foliage of grasses on a spray-to-wet basis. Spray coverage should be uniform and complete. Do not spray to the point of runoff.

Spot Treatment Application Table**ANNUAL GRASSES CONTROL WITH VANTAGE**

Grass	Concentration in Spray Solution	
	VANTAGE	
	Grass Up to 6" Height	Grass Up to 12" Height
See Annual Grasses Listed in Broadcast Application Table Above.	1.5%	2.25%

PERENNIAL GRASS CONTROL WITH VANTAGE

Grass	Maximum	Concentration in Spray Solution
	Size Range	
Bermudagrass	Up to 6" Runners	2.25%
Johnsongrass, Rhizome	15-20" Height	2.25%
Quackgrass	6-8" Height	2.25%
Wirestem Muhly	Up to 6" Height	1.5 %
*Refer to Solution Table below for preparation of desired spray solution volume.		

SOLUTION TABLE

Desired Spray Solution Volume	Amount of VANTAGE to be Added for Solution	
	1.5%	2.25%
1 Gallon	2 Fl. Oz.	3 Fl. Oz.
3 Gallons	5 3/4 Fl. Oz.	8 3/4 Fl. Oz.
5 Gallons	8 3/4 Fl. Oz.	14 1/2 Fl. Oz.
1 Tablespoon = 1/2 Fl. Oz.		

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31**VANTAGE + Surflan A.S. Tank Mix for Use in Ornamental Areas**

A tank mix of VANTAGE + Surflan A.S. may be applied for the control of weeds in ornamental areas, including trees, shrubs and groundcovers. Applied as directed by each respective label, this tank mix will provide control of susceptible weeds listed on each respective label. Read each product label for directions, restrictions and limitations prior to use. The most restrictive labeling applies in all tank mixes.

Mixing/Spraying

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add VANTAGE then add Surflan A.S. and the remaining volume of water to the tank. Maintain constant agitation during application.

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31**USES IN CHRISTMAS TREE (CONIFERS) AND DECIDUOUS TREE FARMS**o **For Annual and Perennial Grass Control**

See the appendix for tolerant tree species and pages X-X for recommended use rates.

o **For Broad Spectrum Grass and Broadleaf Weed Control in Conifers**

A tank mix of VANTAGE plus Goal 1.6 E controls a wide variety of weeds and grasses, see the section VANTAGE plus Goal 1.6 E Tank Mix below for directions.

o **For Growth Suppression of Tall Fescue**

Tall fescue growth can be reduced by a properly timed application of VANTAGE. For directions, see section Timing and Application Information for Tall Fescue Growth Suppression on page xx.

VANTAGE Plus Goal 1.6E Tank Mix For Use In Conifers Grown For Christmas Trees.

This tank mix is for Postemergence Broadleaf and Grass Weed Control.

The following plants are tolerant to a tank mix of VANTAGE and Goal 1.6E:

COMMON NAME	SCIENTIFIC NAME
Fir, Fraser	Abies Fraseri
Hemlock, Canada	Tsuga canadensis*
Pine, Virginia	Pinus virginiana
Pine, White	Pinus Strobus
Spruce, Norway	Picea abies

* Canada Hemlock has a prolonged period of bud break and new growth, thus directed applications are recommended during this period.

Grasses Controlled:

See Species listed on prior pages.

Broadleaf weeds controlled:

See Goal 1.6E label.

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31**VANTAGE and Goal Rates:**

A maximum of 60 fluid ounces per acre of VANTAGE may be tank mixed with Goal 1.6E. A maximum of 2 1/2 pints of Goal 1.6E may be tank mixed with VANTAGE. See prior pages for minimum recommended rates of VANTAGE and see Goal 1.6E label for minimum recommended rates of Goal 1.6E. Two or three applications may be needed for season long control. In some cases reduced grass control with VANTAGE may be experienced when tank mixed with Goal 1.6E.

Timing:

Applications should be made when weeds are actively growing and before conifer bud break or after conifer foliage have had an opportunity to harden-off. Broadleaf weeds must be within the height indicated on the Goal 1.6E label.

Spray Volume and Pressure: Apply at 20 gallons per acre and at 40 psi.

Restrictions and Limitations for VANTAGE with Goal 1.6E Tank Mix:

Do not apply the tank mix when temperatures exceed 90°F.

Follow all conifer specific and General Use Restrictions on Goal 1.6E label.

Do not apply the tank mix to conifer seedlings less than ten months old.

Do not apply this tank mix by aircraft equipment.

Do not use spot treatments.

Do not apply this product through any type of irrigation system.

Read and follow restrictions and limitations on the VANTAGE and Goal labels. The most restrictive labeling applies in tank mixes.

Timing And Application Information For Tall Fescue Growth Suppression In Tree Farms.**RECOMMENDATIONS FOR GROWTH SUPPRESSION WITH VANTAGE**

- o Apply to actively growing tall fescue before extensive tillering and/or seed head formation.
- o Follow water volume and spray pressure recommendations.
- o Apply to tall fescue at the sizes indicated below.
- o In irrigated areas it may be necessary to irrigate prior to treatment with VANTAGE to ensure weeds are growing actively.

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31**Timing:**

Apply VANTAGE herbicide to actively growing tall fescue after it has had 4 to 6 inches of new growth, before the emergence of seedheads and before conifer bud break. Application from July 1 to mid August may be less effective, especially if day temperatures reach 90°F. Tall fescue must be one year old before the first application of VANTAGE.

Do not make applications to grasses under stress, such as stress due to lack of moisture, herbicide injury, or cold temperatures, since unsatisfactory suppression may result.

Adequate coverage of the leaf surface is necessary for absorption of this herbicide; thus, for optimum control, do not mow tall fescue turf for thirty days before or fourteen days after application of VANTAGE.

Rate

Apply VANTAGE at a rate of 24 to 30 fluid ounces per acre. For greater fescue suppression up to 60 fluid ounces per acre of VANTAGE can be used. Because of environmental differences at application and growth differences of tall fescue, control of tall fescue may exceed or fall short of that desired. Users of VANTAGE are advised to begin use of VANTAGE at a minimum recommended rate and adjust rates as local conditions and experience dictate. Additional applications may be made if extended growth suppression is desired.

PROCEDURE FOR CLEANING SPRAY EQUIPMENT

ATTENTION! Clean Sprayer Thoroughly Before and After Application of VANTAGE.

Clean sprayer thoroughly before application of VANTAGE, particularly if a herbicide was used which has the potential to injure the crop to be sprayed with VANTAGE.

Failure to clean sprayer thoroughly after the application of VANTAGE may result in injury to any grass crop subsequently sprayed, such as corn, sorghum, small grains, rice and turf. Fill the sprayer with clean water and add a commercial sprayer cleaner or a surfactant/adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half the tank solution through the hoses, booms, and nozzles to clean these parts. Drain the tank and rinse the total system thoroughly several times with clean water.

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Appendix

Table of Nonbearing Food Crops, Nursery Liners, Trees, Shrubs, Ornamentals, Bedding Plants and Ground Covers

Nonbearing Food Crops and Nursery Liners

Almonds	Crabapples	Macadamia	Pistachios
Apples	Cranberries	Nectarines	Plums
Apricots	Dates	Olives	Pomegranates
Asparagus	Figs	Oranges	Prunes
Avocados	Grapes	Peaches	Raspberries
Blackberries	Grapefruit	*Peanuts, Perennial	Tangelos
Blueberries	Lemons	Pears	Tangerines
Cherries	Limes	Pecans	Walnuts

Do not apply to nonbearing food crops within 1 year of harvest.

*Not approved in California.

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TREES

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Acacia, Knife Leaf (<i>Acacia cultriformis</i>)	<i>Abies concolor</i> (Fir, White)
Arborvitae, Eastern (var: <i>Teenhny</i>) (<i>Thuja occidentalis</i>)	<i>Abies fraseri</i> (Fir, Frasier)
Ash, Green (<i>Fraxinus pennsylvanicum</i>)	<i>Abies sp.</i> (Fir, Conclar)
Ash, Mountain (<i>Sorbus aucuparia</i>)	<i>Acacia baileyana</i> (purpurea) (Purpleleaf)
Ash, Mountain (<i>Sorbus americana decora</i>)	<i>Acacia cultriformis</i> (Knife leaf acacia)
Ash, White (<i>Fraxinus americana</i>)	<i>Acer palmatum</i> (Japanese maple)
Basswood, American (<i>Tilia americana</i>)	<i>Acer rubrum</i> (Maple, Red)
Berkmans (<i>Thuja orientalis</i>)	<i>Acer saccharinum</i> (Maple, Silver)
Birch (<i>Betula sp.</i>)	<i>Agonis flexuosa</i> (Peppermint willow)
Birch, Asian White (var: <i>Japonica</i>) (<i>Betula platyphylla</i>)	<i>Albizia julibrissin</i> (Minosa tree)
Birch, European White (<i>Betula pendula</i>)	<i>Arbutus unedo</i> (Strawberry Tree)
Birch, paper (<i>Betula papyrifolia</i>)	<i>Arecastrum romanzoffianum</i> (Queen palm)
Birch, River or Black (<i>Betula nigra</i>)	<i>Betula nigra</i> (Birch, River or Black)
Bottle-brush (<i>Callistemon lanceolatus</i>)	<i>Betula papyrifolia</i> (Birch, paper)
Bottle Tree (<i>Brachychiton populneus</i>)	<i>Betula pendula</i> (Birch, European White)
Brisbane Box Tree (<i>Tristania conferta</i>)	<i>Betula platyphylla</i> (Birch, Asian White) (var: <i>Japonica</i>)
Cajeput Tree (<i>Melaleuca quinquenervia</i>)	<i>Betula sp.</i> (Birch)
Carob Tree (<i>Ceratonia siliqua</i>)	<i>Brachychiton populneus</i> (Bottle tree)
Carrot Wood (<i>Cupaniopsis anacardioides</i>)	<i>Callistemon lanceolatus</i> (Bottle-brush)
Catalpa, Southern (<i>Catalpa bignonioides</i>)	<i>Catalpa bignonioides</i> (Catalpa, Southern)
Cherry, Black (<i>Prunus serotina</i>)	<i>Celtis occidentalis</i> (Hackberry, Common)
Cherry, Carolina (<i>Prunus caroliniana "compacta"</i>)	<i>Ceratonia siliqua</i> (Carob tree)

LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Crabapple, Flowering (var: Dalgo, Radiant, Red Splendor, Royalty, Vanguard, Sylvestris, Domestic) (Malus sp.)	Chamaerops humilis (Mediterranean fan palm)
Cypress, Leyland (Cupressocyparis leylandii)	Cornus alternifolia (Dogwood, Pagoda)
Cypress, Italian (Cupressus sempervirens)	Cornus amomum (Dogwood, Silky)
Dogwood, Flowering (Cornus florida)	Cornus florida (Dogwood, Flowering)
Dogwood, Silky (Cornus amomum)	Cornus sericea (Dogwood, Red Osier)
Dogwood, Pagoda (Cornus alternifolia)	Cupaniopsis anacardioides (Carrot Wood)
Dogwood, Red Osier (Cornus sericea)	Cupressocyparis leylandii (Leyland Cypress)
Elm, Chinese Evergreen (Ulmus parvifolia)	Cupressus sempervirens (Italian Cypress)
Eucalyptus (Eucalyptus robusta) (Eucalyptus lehmannii) (Eucalyptus nicholi) (Eucalyptus granis)	Cycas revoluta (Sago Palm)
Fig, Exotica Weeping (Ficus benjamina)	Elaeagnus angustifolia (Olive, Russian)
Fir, Conclar (Abies sp.)	Eriobotrya japonica (Loquat)
Fir, Douglas (Pseudotsuga menziesii)	Eucalyptus citriodora (Gum, Lemon-scented)
Fir, Frasier (Abies fraseri)	Eucalyptus granis (Eucalyptus)
Fir, White (Abies concolor)	Eucalyptus lehmannii (Eucalyptus)
Guava, Pineapple (Feijoa sellowiana)	Eucalyptus nicholi (Eucalyptus)
Gum, Lemon-scented (Eucalyptus citriodora)	Eucalyptus polyanthemos (Red Box Gum)
Gum, Red Box (Eucalyptus polyanthemos)	Eucalyptus robusta (Eucalyptus)
	Eucalyptus sideroxylon (Red Ironbark)

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TREES (CONTINUED)

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Hackberry, Common (<i>Celtis occidentalis</i>)	
Hemlock (<i>Tsuga canadensis</i>)	<i>Peijoa sellowiana</i> (Pineapple Guava)
Holly, Chinese (var: <i>Bufordii</i> , <i>Rotunda</i>) (<i>Ilex cornuta</i>)	<i>Ficus benjamina</i> (Exotica Weeping Fig)
Holly, Hybrid (var: <i>Nellie Stevens</i>) (<i>Ilex spares</i>)	<i>Ficus microcarpa nitida</i> (Indian Laurel)
Holly, Japanese (var: <i>Convexa</i> , <i>Compacta</i> , <i>Helleri</i> , <i>Hoogendorn</i>) (<i>Ilex crenata</i>)	<i>Fraxinus americana</i> (Ash, White)
Holly, Yaupon (<i>Ilex vomitoria</i>)	<i>Fraxinus pennsylvanicum</i> (Ash, Green)
Ironbark, Red (<i>Eucalyptus sideroxylon</i>)	<i>Gleditsia triacanthos inermis</i> (Locust, Honey)
Jacaranda (<i>Jacaranda acutifolia</i>)	<i>Ilex cornuta</i> (Holly, Chinese) (var: <i>Bufordii</i> , <i>Rotunda</i>)
Larch, European (<i>Larix europa</i>)	<i>Ilex crenata</i> (Holly, Japanese) (var: <i>Convexa</i> , <i>Compacta</i> , <i>Helleri</i> , <i>Hoogendorn</i>)
Laurel, Indian (<i>Ficus microcarpa nitida</i>)	<i>Ilex spares</i> (Holly, Hybrid) (var: <i>Nellie Stevens</i>)
Linden, Littleleaf (<i>Tilia cordata</i>)	<i>Ilex vomitoria</i> (Holly, Yaupon)
Locust, Honey (<i>Gleditsia triacanthos inermis</i>)	<i>Jacaranda acutifolia</i> (Jacaranda)
Loquat (<i>Eriobotrya japonica</i>)	<i>Juglans nigra</i> (Walnut, Black)
Magnolia, Southern (<i>Magnolia grandiflora</i>)	<i>Larix europa</i> (Larch, European)
Maple, Red (<i>Acer rubrum</i>)	<i>Leptospermum laevigatum</i> (Australian tea tree)
Maple, Japanese (<i>Acer palmatum</i>)	<i>Liquidambar styraciflua</i> (Sweet Gum)
Maple, Silver (<i>Acer saccharinum</i>)	<i>Liriodendron tulipifera</i> (Popular, Yellow)
Mimosa Tree (<i>Albizia julibrissin</i>)	<i>Maclura pomifera</i> (Osage Orange)
Myoporum (<i>Myoporum laetum</i>)	<i>Magnolia grandiflora</i> (Magnolia, Southern)
Oak (<i>Quercus</i>)	<i>Malus sp.</i> (Crabapple, Flowering) (var: <i>Dalgo</i> , <i>Domestic</i> , <i>Sylvestris</i> , <i>Radiant</i> , <i>Vanguard</i> , <i>Royalty</i> , <i>Red Splendor</i>)
Oak, Water (<i>Quercus nigra</i>)	

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Oak, Willow (<i>Quercus phellos</i>)	<i>Melaleuca quinquenervia</i> (Cajuput Tree)
Olive Tree (<i>Olea europaea</i>)	<i>Mimosa pudica</i> (Sensitive Plant)
Olive, Russian (<i>Elaeagnus angustifolia</i>)	<i>Myoporum laetum</i> (Myoporum)
Osage Orange (<i>Maclura pomifera</i>)	<i>Olea europaea</i> (Olive Tree)
Palm, Mediterranean fan (<i>Chamaerops humilis</i>)	<i>Parkensonia aculeata</i> (Green Palo Verde)
Palm, Pygmy Date (<i>Phoenix roebelenii</i>)	<i>Paulownia tomentosa</i> (Paulownia, Royal)
Palm, Queen (<i>Arecastrum romanzoffianum</i>)	<i>Phoenix roebelenii</i> (Palm, Pygmy Date)
Palm, Sago (<i>Cycas revoluta</i>)	<i>Picea abies</i> (Spruce, Norway)
Palm, Windmill (<i>Tracheocarpus fortunei</i>)	<i>Picea glauca</i> (Spruce, White)
Palo Verde, Green (<i>Parkensonia aculeata</i>)	<i>Picea glauca</i> (Spruce, White) (var: Compacta)
Paulownia, Royal (<i>Paulownia tomentosa</i>)	<i>Picea glauca</i> (Spruce, Black Halls) (var: Densata)
Pear, Common (<i>Pyrus communis</i>)	<i>Picea pungens</i> (Spruce, Colorado Blue)
Pear, Ussurian (<i>Pyrus ussuriensis</i>)	<i>Pinus banksiana</i> (Pine, Jack)
Pepper, Brazilian (<i>Schinus terebinthifolius</i>)	<i>Pinus canariensis</i> (Canary Island Pine)
Pine, Austrian (<i>Pinus nigra</i>)	<i>Pinus caribean</i> (Pine, Caribbean slash)
Pine, Canary Island (<i>Pinus canariensis</i>)	<i>Pinus ellottii</i> (Pine, Slash)
Pine, Caribbean Slash (<i>Pinus caribean</i>)	<i>Pinus mugho</i> (Pine, Mugho)
Pine, Jack (<i>Pinus banksiana</i>)	<i>Pinus nigra</i> (Pine, Austrian)
Pine, Japanese Black (<i>Pinus thunbergii</i>)	<i>Pinus palustris</i> (Pine, Southern)
Pine, Loblolly (<i>Pinus taeda</i>)	<i>Pinus ponderosa</i> (Pine, Ponderosa)
Pine, Mugho (<i>Pinus mugho</i>)	<i>Pinus strobus</i> (Pine, White)
Pine, Ponderosa (<i>Pinus ponderosa</i>)	

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TREES (CONTINUED)

LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Pine, Scotch (<i>Pinus sylvestris</i>)	<i>Pinus sylvestris</i> (Pine, Scotch)
Pine, Slash (<i>Pinus ellottii</i>)	<i>Pinus taeda</i> (Pine, Loblolly)
Pine, Southern (<i>Pinus palustris</i>)	<i>Pinus thunbergii</i> (Pine, Japanese Black)
Pine, Virginia (<i>Pinus virginiana</i>)	<i>Pinus virginiana</i> (Pine, Virginia)
Pine, White (<i>Pinus strobus</i>)	<i>Pittosporum phylliraeoides</i> (Desert Willow)
Pine, Yew (<i>Podocarpus macrophyllus</i>)	<i>Platanus occidentalis</i> (Sycamore)
Poplar, Hybrid (<i>Populus alba</i>)	<i>Podocarpus macrophyllus</i> (Yew Pine)
Poplar, Yellow (<i>Liriodendron tulipifera</i>)	<i>Populus alba</i> (Poplar, Hybrid)
Purpleleaf (<i>Acacia baileyana</i>)	<i>Pseudotsuga menziesii</i> (Fir, Douglas)
Sensitive Plant (<i>Mimosa pudica</i>)	<i>Prunus americana</i> -
Spruce, Black Halls (var: <i>Densata</i>) (<i>Picea glauca</i>)	<i>Prunus besseyi</i> -
Spruce, Colorado Blue (<i>Picea pungens</i>)	<i>Prunus caroliniana</i> "compacta" (Carolina Cherry)
Spruce, Norway (<i>Picea abies</i>)	<i>Prunus mahaleb</i> -
Spruce, White (<i>Picea glauca</i>)	<i>Prunus myro</i> -
Spruce, White (var: <i>Compacta</i>) (<i>Picea glauca</i>)	<i>Prunus serotina</i> (Cherry, Black)
Strawberry Tree (<i>Arbutus unedo</i>)	<i>Pyrus communis</i> (Pear, Common)
Sumac, Standard, African (<i>Rhus lancea</i>)	<i>Pyrus ussuriensis</i> (Pear, Ussurian)
Sweet Gum (<i>Liquidambar styraciflua</i>)	<i>Quercus</i> (Oak)
	<i>Quercus nigra</i> (Oak, Water)
	<i>Quercus phellos</i> (Oak, Willow)
	<i>Rhus lancea</i> (African Sumac Standard)
	<i>Salix matsudana tortuosa</i> (Willow)

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Sycamore (<i>Platanus occidentalis</i>)	<i>Schinus terebinthifolius</i> (Brazilian Pepper)
Tea Tree, Australian (<i>Leptospermum laevigatum</i>)	<i>Sorbus aucuparia</i> (Ash, Mountain)
Tipu Tree (<i>Tipuana tipu</i>)	<i>Sorbus americana decora</i> (Ash, Mountain)
Walnut, Black (<i>Juglans nigra</i>)	<i>Thuja occidentalis</i> (Arborvitae, Eastern) (var: Teehny)
Willow (<i>Salix matsudana tortuosa</i>)	<i>Thuja orientalis</i> (Berkmans)
Willow, Desert (<i>Pittosporum phillyraeoides</i>)	<i>Tilia americana</i> (Basswood, American)
Willow, Peppermint (<i>Agonis flexuosa</i>)	<i>Tilia cordata</i> (Linden, Littleleaf)
- (<i>Prunus mahaleb</i>)	<i>Tipuana tipu</i> (Tipu Tree)
- (<i>Prunus americana</i>)	<i>Tracheocarpus fortunei</i> (Windmill Palm)
- (<i>Prunus besseyi</i>)	<i>Tristania conferta</i> (Brisbane Box Tree)
- (<i>Prunus myro</i>)	<i>Tsuga canadensis</i> (Hemlock)
	<i>Ulmus parvifolia</i> (Chinese Evergreen Elm)

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SHRUBS

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LISTED COMMON NAME	LISTED SCIENTIFIC NAME
Abelia, Glossy (Abelia grandiflora)	Abelia grandiflora (Glossy Abelia)
Acacia (Acacia latifolia)	Acacia latifolia
Acacia, Prostrate (Acacia redolens)	Acacia redolens (Prostrate acacia)
Alpine Currant (Ribes alpinum)	Alyogyne huegelli (Blue hibiscus)
American Cranberry Bush (Viburnum trilobum)	Amelanchier alnifolia (Serviceberry, Saskatoon) (var: Regent)
Azalea, Mollis hybrid (R. x kosterianum)	Amelanchier laevis (Serviceberry, Allegheny)
Azalea, Northern lights hybrid (R. x kosterianum x R. priniphyllum)	Aronia meloelata (Chokecherry sp.)
Bamboo, Heavenly (Nandina domestica)	Berberis thunbergii (Barberry, Japanese) (Crimson pygmy) (var: Crimson pygmy)
Barberry, Japanese (Berberis thunbergii)	Berberis virginian (Barberry, Redleaf)
Barberry, Korean (Berberis koreana)	Berberis koreana (Barberry, Korean)
Barberry, Redleaf (Berberis virginian)	Brunfelsia calycina (Yesterday-today-and-tomorrow)
Boxwood (Buxus sempervirens)	Buxus microphylla (Japanese boxwood) (var: Japonica)
Boxwood, African (Marsine africana)	Buxus sempervirens (Boxwood)
Boxwood, Japanese (var: Japonica)	Caesalpinia gillesii (Poinciana)
Boxwood, Microphylla (Buxus microphylla)	Camellia japonica (Camellia)
Buckthorn, Glossy (Rhamnus frangula)	Camellia sasanqua (Sasanqua Camellia)
Camellia (Camellia japonica)	Ceanothus griseus (Mountain lilac)
Camellia, Sasanqua (Camellia sasanqua)	Cissus rhombifolia (Ellen Danica grape ivy)
Cape Plumbago (Plumbago capensis)	Coprosma baueri (Mirror plant)
Cedar, Eastern Red (var: Pyramidiformis, canescens)	
(Juniperus virginiana)	
Cherry, Brush (Eugenia myrtifolia)	
Cherry, Manchu (Prunus tomentosa)	
Chokecherry sp. (Aronia meloelata)	

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SHRUBS (CONTINUED)

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LISTED COMMON NAME	LISTED SCIENTIFIC NAME
Cotoneaster, Cranberry (Cotoneaster apiculata)	Coprosma repens (Variegated Mirror Plant)
Cotoneaster, Peking (Cotoneaster acutifolia)	Correa pulchella (Australian fuchsia)
Cotoneaster, Bearberry (Cotoneaster dammerii)	Cortaderia selloana (Pampas grass)
Crapemyrtle (Lagerstromia indica)	Cotoneaster acutifolia (Cotoneaster, Peking)
Crimson Pygmy (Berberis thunbergii)	Cotoneaster apiculata (Cotoneaster, Cranberry)
Euonymus, Winged (Euonymus alata)	Cotoneaster dammerii (Cotoneaster, Bearberry)
Fig, Creeping (Ficus repens)	(Coral Beauty)
Forsythia (Forsythia viridissima broxeniss)	Dierville lonicera (Honeysuckle, Bush)
Flax, New Zealand (Phormium tenax)	Dodonea viscosa prupurea (Purple Hopseed Bush)
Gardenia (Gardenia radicans)	Duranta stenostachya (Brazilian Sky Flower)
Gardenia (var: Mystery) (Gardenia augusta)	Escallonia fradessii
(Gardenia jasminoides)	-
Gardenia (var: Radicans) (Gardenia jasminoides)	Escallonia rubra
Gardenia, Dwarf (var: veitchii) (Gardenia jasminoides)	Eugenia myrtifolia (Brush Cherry)
Guinea Gold Vine (Hibbertia scandens)	Euonymus alata (Euonymus, Winged)
Hibiscus, Blue (Aloyogyne huegelli)	Euonymus japonica (Silver King)
Hibiscus, Chinese (Hibiscus rosa-sinensis)	Euonymus kiautschovica (Spindle tree)
Holly, Dwarf Burford (Ilex cornuta)	Ficus repens (Creeping fig)
Honeysuckle (Lonicera japonica)	Forsythia viridissima broxeniss (Forsythia)
Honeysuckle, Bush (Dierville lonicera)	Gardenia augusta (Gardenia) (var: Mystery)
Honeysuckle, Cape (Tecomaria capensis)	Gardenia jasminoides (Mystery Gardenia) (var: Mystery)
	(Gardenia) (var: Radicans)
	(Gardenia, Dwarf) (var: Veitchii)

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SHRUBS (CONTINUED)

LISTED COMMON NAME	LISTED SCIENTIFIC NAME
Hydrangea (Hydrangea sp.)	Gardenia radicans (Gardenia)
Jasmine, Asiatic (Trachelospermum asiaticum)	Gelsemium sempervirens (Carolina jessamine)
Jasmine, Orange (Murraya paniculata)	Grewia caffra (Lavender Star Plant)
Jasmine, Star (Trachelospermum jasminoides)	Hebe sp. (Veronica) (var: Coed)
Jessamine, Carolina (Gelsemium sempervirens)	Heteromeles arbutifolia (Toyon)
Jojoba (Simmondsia chinensis)	Hibbertia scandens (Guinea Gold Vine)
Juniper, Blue Rug (Juniperus sp.)	Hibiscus rosa-sinensis (Chinese hibiscus)
Juniper, Chinese (var: Maney, Old Gold, Pfitzeriana, Sea Green, Hetzii, Nana, Torulosa Pfitzeriana Aurea) (Juniperus chinensis)	Hydrangea sp. (Hydrangea)
Juniper, Creeping (var: Bluechip, Huges, Plumosa, Prince of Wales, Webberi, Wiltonii, Bar Harbor, Andorra, Variegata, Youngstown) (Juniperus horizontalis)	Ilex cornuta (Dwarf Burford Holly) (var: Burfordii)
Juniper, Ozark (Juniperus sp.)	Juniperus chinensis (Juniper, Chinese) (var: Maney, Old Gold, Pfitzeriana, Sea Green, Hetzii, Torulosa, Nana, Pfitzeriana aurea)
Juniper, Pfitzer (Juniperus sp.)	Juniperus conferta (Shore Juniper) (var: Compacta)
Juniper, Pfitzer (Golden) (Juniperus sp.)	Juniperus horizontalis (Juniper, Creeping) (var: Bluechip, Huges, Plumosa, Prince of Wales, Webberi, Wiltonii, Bar Harbor, Andorra, Youngstown, Variegata)
Juniper, Rocky Mountain (var: Blue Heaven, Welchii, Wichita Blue, Medova, Moffet, Pyramidal Green, Springtime, Admiral) (Juniperus scopulorum)	
Juniper, Savin (var: Skandia, Arcadia, Broadmoor, Buffalo, Pepin) (Juniperus sabina)	
Juniper, Shore (var: Compacta) (Juniperus conferta)	
Juniper, Tam (var: Tamariseifolia) (Juniperus sabina)	

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SHRUBS (CONTINUED)

LISTED COMMON NAME	LISTED SCIENTIFIC NAME
Lantana, Purple (<i>Lantana montevidensis</i>)	<i>Juniperus scopulorum</i> (Juniper, Rocky Mountain)
Lilac, Common Purple (<i>Syringa vulgaris purpurea</i>)	(var: Blue Heaven, Welchii, Wichita Blue, Medova, Moffet, Pyramidal Green, Springtime, Admiral)
Liriope, Green (<i>Liriope muscari</i>)	<i>Juniperus sabina</i> (Juniper, Savin)
Liriope, Variegated (<i>Liriope muscari</i>)	(var: Skandia, Arcadia, Broadmoor, Buffalo, Pepin, Tamariseifolia)
Mickey Mouse Bush (<i>Ochna serrulata</i>)	<i>Juniperus virginiana</i> (Cedar, Eastern Red)
Mock Orange (<i>Pittosporum tobira</i>)	(var: Pyramidiformis, Canearti)
Myoporum, Prostrate (<i>Myoporum parvifolium</i>)	<i>Juniperus</i> sp. (Juniper, Blue Rug)
Myrtle (<i>Myrtus communis compacta</i>)	<i>Juniperus</i> sp. (Juniper, Ozark)
Nandina (<i>Nandina domestica</i>)	<i>Juniperus</i> sp. (Juniper, Pfitzer)
Nannyberry (<i>Viburnum lantago</i>)	<i>Juniperus</i> sp. (Juniper, Pfitzer (Golden))
Ninebark (<i>Physocarpus opulifolius</i>)	<i>Lagestromia indica</i> (Crape myrtle)
Ninebark (var: Aureus) (<i>Physocarpus opulifolius nanus</i>)	<i>Lantana montevidensis</i> (Purple Lantana, Trailing)
Oleander (<i>Nerium oleander</i>)	<i>Leptospermum laevigatum</i> (Tea Tree, Australian)
Osmanthus, Tea Olive (<i>Osmanthus fragrans</i>)	<i>Ligustrum indica</i> (Privet)
Photinia (<i>Photinia</i> sp.)	<i>Ligustrum lucidum</i> (Privet, Glossy) (var: Lake tresca)
Photinia, Fraser (<i>Photinia fraser</i>)	<i>Ligustrum texanum</i> (Texas privet)
Pink Lady (<i>Raphiolepis indica</i>)	<i>Liriope muscari</i> (Green Liriope)
Pittosporum, Variegated Japanese (<i>Pittosporum tobira variegata</i>)	<i>Liriope muscari</i> (Variegated Liriope)
Podocarpus, Yew (<i>Podocarpus macrophyllus</i>)	(var: variegata)
Poinciana (<i>Caesalpinia gillesii</i>)	<i>Lonicera japonica</i> (Honeysuckle)
Privet (<i>Ligustrum indica</i>)	<i>Murraya paniculata</i> (Orange Jasmine)
	<i>Myoporum parvifolium</i> (Prostrate myoporum)

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SHRUBS (CONTINUED)

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LISTED COMMON NAME	LISTED SCIENTIFIC NAME
Privet, Glossy (var: Lake tresca) (<i>Ligustrum lucidum</i>)	<i>Myrsine africana</i> (Boxwood, African)
Privet, Texas (<i>Ligustrum texanum</i>)	<i>Myrtus communis compacta</i> (Myrtle)
Pyracantha (<i>Pyracantha graberi</i>)	<i>Nandina domestica</i> (Nandina, Heavenly Bamboo)
Rhododendron - Azalea (var: Hinocrimson, Hershey Red, Coral Blue, Hinodigiri, Christmas Cheer, Pink Ruffle, Formosa Flame, Delaware Valley White, New White) (<i>Rhododendron</i> sp.)	<i>Nerium oleander</i> (Oleander)
Sandcherry, Purpleleaf (<i>Prunus cistena</i>)	<i>Ochna serrulata</i> (Mickey Mouse Bush)
Serviceberry, Allegheny (<i>Amelanchier laevis</i>)	<i>Osmanthus fragrans</i> (Osmanthus, Tea Olive)
Serviceberry, Saskatoon (var: Regent) (<i>Amelanchier alnifolia</i>)	<i>Pandorea rosea</i> (Pink Trumpet Vine)
Silver King (<i>Euonymus japonica</i>)	<i>Phormium tenax</i> (New Zealand Flax)
Spindle Tree (<i>Euonymus kiautschovica</i>)	<i>Photinia fraser</i> (Photinia, Fraser)
Spirea (<i>Spirea vanhouttei</i>)	<i>Photinia</i> sp. (Photinia)
Spirea (var: Anthony Waterer, Froebellii, Goldflame) (<i>Spirea bumalda</i>)	<i>Physocarpus opulifolius natus</i> (Ninebark) (var: Aureus)
Spirea (var: Fairy Queen) (<i>Spirea trilobata</i>)	<i>Physocarpus opulifolius</i> (Ninebark)
Spirea (var: Snowbound) (<i>Spirea nipponica</i>)	<i>Pittosporum tobira</i> (Mock Orange)
Star Plant, Lavender (<i>Grewia caffra</i>)	<i>Pittosporum tobira</i> (Wheelers Dwarf, variegated) (var: Wheller)
Tea Tree, Australian (<i>Leptospermum laevigatum</i>)	<i>Pittosporum tobira variegata</i> (Pittosporum, Variegated Japanese)
Toyon (<i>Heteromeles arbutifolia</i>)	<i>Plumbago capensis</i> (Cape Plumbago)
Trumpet Vine, Pink (<i>Pandorea rosea</i>)	<i>Podocarpus macrophyllus</i> (Podocarpus, Yew)
Veronica (var: Coed) (<i>Hebe</i> sp.)	<i>Prunus cistena</i> (Sandcherry, Purpleleaf)
	<i>Prunus tomentosa</i> (Cherry, Manchu)
	<i>Pyracantha graberi</i> (Pyracantha)
	<i>Raphiolepis indica</i> (Pink Lady)
	<i>Rhamnus frangula</i> (Buckthorn, Glossy)

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SHRUBS (CONTINUED)

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LISTED COMMON NAME	LISTED SCIENTIFIC NAME
Viburnum, Japanese (Viburnum japonicum)	Rhododendron sp. (Rhododendron - Azalea)
Viburnum, Sandankwa (Viburnum suspensum)	(var: Hinocrimson, Hershe, Red, Coral Blue, Hinodigiri, Christmas Cheer, Pink Ruffle, Formosa Flame, Delaware Valley White, New White)
Weeping Fig, Exotica (Ficus benjamina)	R. x kosterianum (Azalea, Mollis hybrid)
Wheeler's Dwarf, Variegated (var: Wheller) (Pittosporum tobira)	R. x kosterianum x R. priniphyllum (Azalea, Northern lights hybrid)
Yellow Bells (Tecoma stans)	Ribes alpinum (Alpine current)
Yew (Taxus cuspidataevigatum)	Simmondsia chinensis (Jojoba)
	Spirea bumalda (Spirea (var: Anthony Waterer, Froebellii, Goldflame))
	Spirea nipponica (Spirea (var: Snowbound))
	Spirea trilobata (Spirea (var: Fairy Queen))
	Spirea vanhouttei (Spirea)
	Syringa vulgaris purpurea (Common Purple Lilac)
	Taxus cuspidata (Yew)
	Tecoma stans (Yellow Bells)
	Tecomaria capensis (Cape Honeysuckle)
	Ternstroemia gymnanthera (Ternstroemia)
	Thevetia peruviana (Yellow Oleander Shrub)
	Trachelospermum asiaticum (Asiatic jasmine)
	Trachelospermum jasminoides (Star Jasmine)
	Viburnum japonicum (Japanese Viburnum)
	Viburnum lantago (Nannyberry)
	Viburnum suspensum (Sandankwa Viburnum)
	Viburnum trilobum (American Cranberry Bush)

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ORNAMENTALS, BEDDING PLANTS

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Allysum (Alyssum sp.)	Acorus gramineus (Sweet Grass)
Asparagus, Myers (var: Meyeri) (Asparagus densiflorus)	Agapanthus africanus (Peter Pan Lily of the Nile)
Asparagus, Sprenger (var: Sprengeri) (Asparagus densiflorus)	Alyssum sp. (Allysum)
Begonia (Begonia semperflorens)	Antirrhinum majus (Snapdragon)
Bittersweet, American (Calastrus scandens)	Arenaria verna (Moss Sandwort)
Bleeding Heart (Dicentra spectabilis)	Arisaemia pusillum (Jack-in-the-Pulpit)
Cactae, Barrel (Cactus sp.)	Armeria maritima (Sea Pinks)
Andy tuff (Iberis sempervirens)	Asparagus densiflorus Sprengeri (Sprenger Asparagus)
Canna (Canna sp.)	Asparagus densiflorus (Myers Asparagus) (var: meyeri)
Cassia, Feathery (Cassia artemisioides)	Begonia semperflorens (Begonia)
Chrysanthemum frutescens (Chrysanthemum, Marguarite)	Bignonia cherere (Blood Red Trumpet Vine)
Chrysanthemum (Chrysanthemum indicum)	Bignonia tweediana (Yellow Trumpet)
Cockscomb (Celosia argentea)	Bignonia violacea (Lavender Trumpet vine)
Coleus (Coleus sp.)	Bougianvillea sp. (Raspberry Ice)
Coralbells (Heuchera sanguinea)	Cactus sp. (Cactae, Barrel)
Coral Beauty (Cotoneaster Dammeri)	Canna sp. (Canna)
Dahlia (Dahlia pinnata)	Capsicum sp. (Pepper, Ornamental)
Daisy Bush (Euryops pectinatus)	Calastrus scandens (Bittersweet, American)
Daisy Bush, Blue (Felicia amellioides)	Cassia artemisioides (Feathery Cassia)
Daisy, Shasta (Chrysanthemum maximum)	Catharanthus roseus (Madagascar periwinkle)
Daylily (Hemerocallis hybrids)	Celosia argentea (Cockscomb)
	Centaurea cineraria (Dusty Miller)

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ORNAMENTALS, BEDDING PLANTS (CONTINUED)

22 25
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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Dianthus	Chrysanthemum frutescens
(Dianthus deltoides)	(Chrysanthemum, Marguerite)
Dusty Miller	Chrysanthemum indicum
(Centaurea cineraria)	(Chrysanthemum)
Fern, Sprenger Asparagus	Chrysanthemum maximum
(Asparagus densiflorus Sprengeri)	(Shasta Daisy)
Flowering tobacco	Coleus sp.
(Nicotina sp.)	(Coleus)
Fuchsia, Australian	Convallaria majalis
(Correa pulchella)	(Lily-of-the-Valley)
Grape Ivy, Ellen Danica	Crassula argentea
(Cissus rhombifolia)	(Jade Plant)
Gazania	Cuphea hyssopifolia
(Gazania ringens leucolaena)	(False Heather)
Gazania	Dahlia pinnata
(Gazania sp.)	(Dahlia)
Geranium	Dianthus barbatus
(Geranium sp.)	(Sweet William)
Geranium, Martha Washington	Dianthus deltoides
(Pelargonium domesticum)	(Dianthus)
Gerbera Daisy	Dicentra spectabilis
(Gerbera jamesonii)	(Bleeding Heart)
Gladiolus	Euryops pectinatus
(Gladiolus sp.)	(Daisy Bush)
Heather, False	Felicia amellioides
(Cuphea hyssopifolia)	(Blue Daisy Bush)
Honeysuckle, Amar	Gazania sp.
(Lonicera maachii)	(Gazania)
Honeysuckle, Fly	Gazania ringens leucolaena
(var: Emerald Mound,	(Gazania)
Clavey's Dwarf)	Geranium sp.
(Lonicera xylosterum)	(Geranium)
Honeysuckle, Japanese	Gerbera jamesonii
(Lonicera japonica)	(Gerbera Daisy)
Honeysuckle, Morrow	Gladiolus sp.
(Lonicera morrowii)	(Gladiolus)
Honeysuckle, Tatarian (var: Zabeli)	Hemerocallis Hybrids
(Lonicera tatarica)	(Daylily)
Hopseed Bush, Purple	Heuchera sanguinea
(Dodonea viscosa purpurea)	(Coralbells)

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ORNAMENTALS, BEDDING PLANTS (CONTINUED)

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Impatiens (<i>Impatiens</i> sp.)	Hosta sp. (Plantain Lily)
Iris (<i>Iris</i> sp.)	<i>Iberis sempervirens</i> (Candytuff)
Jack-in-the-Pulpit (<i>Arisaema pusillum</i>)	<i>Impatiens</i> sp. (<i>Impatiens</i>)
Jade Plant (<i>Crassula argentea</i>)	<i>Iris</i> sp. (<i>Iris</i>)
Lavender (<i>Lavandula vera</i>)	<i>Justicia brandegeana</i> (Shrimp Plant)
Lavender Cotton (<i>Santolina chamaecyparissus</i>)	<i>Lavandula vera</i> (Lavender)
Lilac, Chinese (<i>Syringa chinensis</i>)	<i>Limonium perezii</i> (Perennial Statice)
Lilac, Common Purple (var: Charles Joly, Ludwig Spaeth, Jay Tree) (<i>Syringa vulgaris purpurpa</i>)	<i>Lobelia erinus</i> (<i>Lobelia</i>)
Lilac, Meyer (var: Palibin) (<i>Syringa</i> sp.)	<i>Lonicera japonica</i> (Honeysuckle, Japanese)
Lilac (var: Miss Kim) (<i>Syringa patula</i>)	<i>Lonicera maackii</i> (Honeysuckle, Amar)
Lilac, Mountain (<i>Ceanothus griseus</i>)	<i>Lonicera morrowii</i> (Honeysuckle, Morrow)
Lily-of-the-Nile, Peter Pan (<i>Agapanthus africanus</i>)	<i>Lonicera tatarica</i> (Honeysuckle, Tatarian (var: Zabeli))
Lily-of-the-Valley (<i>Convallaria majalis</i>)	<i>Lonicera xylosterum</i> (Honeysuckle Fly) (var: Emerald Mound, Clavey's Dwarf)
Lobelia (<i>Lobelia erinus</i>)	<i>Lysimachia nummularia</i> (Moneywort)
Marigold (<i>Tagetes</i> sp.)	<i>Mattiola incana</i>
Mirror Plant (<i>Coprosma baureri</i>)	<i>Nicotina</i> sp. (Flowering Tobacco)
Mirror Plant, Variegated (<i>Coprosma repens</i>)	<i>Pelargonium domesticum</i> (Geranium, Martha Washington)
Moneywort (<i>Lysimachia nummularia</i>)	<i>Pennisetum setaceum</i> (Red Fountain Grass)
Moss Rose (<i>Portulaca grandiflora</i>)	<i>Petunia</i> sp. (<i>Petunia</i>)
Moss Sandwort (<i>Arenaria verna</i>)	<i>Portulaca grandiflora</i> (Moss Rose)
Pansy (<i>Viola tricolor</i>)	

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ORNAMENTALS, BEDDING PLANTS (CONTINUED)

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Pepper, Ornamental (<i>Capsicum</i> sp.)	<i>Salvia</i> sp. (<i>Salvia</i>)
Periwinkle, Madagascar (<i>Catharanthus roseus</i>)	<i>Salvia greggii</i>
Periwinkle (<i>Vinca minor</i>)	- -
Petunia (<i>Petunia</i> sp.)	<i>Santolina chamaecyparissus</i> (Lavender cotton)
Plantain Lily (<i>Hosta</i> sp.)	<i>Sedum x rubrotinctum</i> (<i>Sedum</i>)
Raspberry Ice (<i>Bougainvillea</i> sp.)	<i>Syringa chinensis</i> (Lilac, Chinese)
Red Fountain Grass (<i>Pennisetum setaceum</i>)	<i>Syringa patula</i> (Lilac (var: Miss Kim))
Salvia (<i>Salvia</i> sp.)	<i>Syringa</i> sp. (Lilac, Meyer) (var: Palibin)
Sea Pinks (<i>Armeria maritima</i>)	<i>Syringa vulgaris purpurpa</i> (Lilac, Common Purple) (var: Charles Joly, Ludwig Spaeth, Jay Tree)
Sedum (<i>Sedum x rubrotinctum</i>)	<i>Tagetes</i> sp. (Marigold)
Shrimp Plant (<i>Justicia brandegeana</i>)	<i>Tradescantia</i> sp. (Wandering Jew)
Sky Flower, Brazilian (<i>Duranta stenostachya</i>)	<i>Verbena</i> sp. (<i>Verbena</i>)
Snapdragon (<i>Antirrhinum majus</i>)	<i>Vinca minor</i> (Periwinkle)
Statice, Perennial (<i>Limonium perezii</i>)	<i>Viola tricolor</i> (Pansy)
Sweet Grass (<i>Acorus gramineus</i>)	<i>Xylosma senticosa</i>
Sweet William (<i>Dianthus barbatus</i>)	-
Trumpet Vine, Blood red (<i>Bignonia cherere</i>)	<i>Zinnia elegans</i> (<i>Zinnia</i>)
Trumpet Vine, Lavender (<i>Bignonia violacea</i>)	
Verbena (<i>Verbena</i> sp.)	
Wandering Jew (<i>Tradescantia</i> sp.)	
Yellow Trumpet (<i>Bignonia tweediana</i>)	
Zinnia (<i>Zinnia elegans</i>)	
- (<i>Mattiola incana</i>)	

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GROUND COVERS

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Bugleweed (Ajuga reptans)	Ajuga reptans (Bugleweed)
Harebell, Carpathian (Campanula carpatica)	Campanula carpatica (Harebell, Carpathian)
Crownvetch (Coronilla varia)	Coronilla varia (Crownvetch)
Daisy, White African (Osteospermum fruticosum alba)	Hedera helix (Ivy, English) (Hahn's Ivy) (var: Hahnii)
Ivy, English (Hedera helix)	Lilrope muscari (Lily-turf, Big Blue)
Ivy, Hahn's (var: Hahnii) (Hedera helix)	Ophiopogon japonicus (Mondo Grass)
Lily-turf, Big Blue (Lilrope muscari)	Osteospermum fruticosum alba (White African Daisy)
Mondo Grass (Ophiopogon japonicus)	Pachysandra terminalis (Pachysandra)
Pachysandra (Pachysandra terminalis)	Parthenocissus tricuspidata (Ivy, Boston)
Ivy, Boston (Parthenocissus tricuspidata)	

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OTHER

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LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
Herniaria (Herniaria glabra)	Europs pectinatus Geijera parviflora Herniaria glabra (Herniaria) Metrosideros excelsus

In limited testing with the following plants, some unacceptable phytotoxicity has been found. This has usually occurred at application rates above those recommended on the product label.

OTHER

LISTED BY COMMON NAME	LISTED BY SCIENTIFIC NAME
<u>TREES</u>	
Red Oak (Quercus rubra)	Quercus alba (White Oak)
White Oak (Quercus alba)	Quercus rubra (Red Oak)
<u>SHRUBS</u>	
Azalea (var: Snow) (Rhododendron sp.)	Ligustrum japonica (Privet, Japanese)
Potentilla (Potentilla fruticosa) (var: Jackmanni, K. VanDyke)	Potentilla fruticosa (Potentilla) (var: Jackmanni, K. VanDyke)
(Potentilla verna)	Potentilla verna
Privet, Japanese (Ligustrum japonica)	Rhododendron sp. (Azalea) (var: Snow)
<u>ORNAMENTAL</u>	
Snow-in-summer (Cerastium tomentosum)	Cerastium tomentosum (Snow-in-Summer)

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label.

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Appendix

The following are scientific names
of the weeds listed in this section
or specific recommendations on
control of these weeds; refer to the
major crop and/or tank mix
sections.

Grasses

Common Name	Scientific Name
Barnyardgrass	<i>Echinochloa crus-galli</i>
Bermudagrass	<i>Cynodon dactylon</i>
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>
Smooth	<i>Digitaria ischaemum</i>
Cupgrass, Woolly	<i>Eriochloa villosa</i>
Foxtails, Giant	<i>Setaria faberi</i>
Green	<i>Setaria viridis</i>
Yellow	<i>Setaria glauca</i>
Goosegrass	<i>Eleusine indica</i>
Itchgrass	<i>Rottboellia exaltata</i>
Johnsongrass	<i>Sorghum halepense</i>
Junkierice	<i>Echinochloa colonum</i>
Fingergrass (see Foxtails)	
Panicum, Browntop	<i>Panicum lasciptatum</i>
Fall	<i>Panicum dichotomiflorum</i>
Texas	<i>Panicum texanum</i>
Quackgrass	<i>Agropyron repens</i>
Red Rice	<i>Oryza sativa</i>
Red Sprangletop	<i>Leptochloa filiformis</i>
Ryegrass, Annual	<i>Lolium multiflorum</i>
Perennial	<i>Lolium perenne</i>
Sandbur, Field	<i>Cenchrus incertus</i>
Volunteer Barley	<i>Hordeum Vulgare</i>
Corn	<i>Zea mays</i>
Oats	<i>Avena sativa</i>
Rye	<i>Secale cereale</i>
Wheat	<i>Triticum aestivum</i>
Watergrass (see Barnyardgrass)	
Shattercane/Wildcane	<i>Sorghum bicolor</i>
Wild Oats	<i>Avena fatua</i>
Wild Proso Millet	<i>Panicum miliaceum</i>
Wiregrasses (see Bermudagrass)	
Wirestem Muhly	<i>Muhlenbergia frondosa</i>
Witchgrass	<i>Panicum capillare</i>

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Storage and Disposal

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

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

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

CONDITIONS OF SALE AND WARRANTY

The Directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risk inherently associated with 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF Corporation (BASF) or the Seller. All such risks shall be assumed by the Buyer.

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