



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
 Registration Division (H7505C)  
 401 "M" St., S.W.  
 Washington, D.C. 20460

Date of Issuance:  
 JUL 20 1994  
 Number:  
 33955-559

NOTICE OF PESTICIDE:  
 X  Registration  
 \_\_\_\_\_ Reregistration

Term of Issuance:  
 Conditional

(under FIFRA, as amended)

Name of Pesticide Product:  
 Acme Ornamec  
 Herbicide

Name and Address of Registrant (include ZIP Code):

PBI/Gordon Corporation  
 P.O. Box 14090  
 1217 West 12th Street  
 Kansas City, MO 64101

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 33955-~~559~~<sup>554</sup>".
3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

CONCURRENCES

Signature of Approving Official:	Date:
MBOR 7505C Weller	7/18/94

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# ACME ORNAMEC HERBICIDE

## ACTIVE INGREDIENT:

fluazifop-P-butyl: Butyl(R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate.....	1.70%
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INERT INGREDIENTS.....	<u>98.30%</u>
TOTAL	100.00%

This product contains 0.125 pound (+) isomer (fluazifop-P-butyl) per gallon.

## KEEP OUT OF REACH OF CHILDREN

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

## CAUTION

JUL 20 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

33955-559

See additional Precautionary Statements including Statement of Practical Treatment.

- SHAKE WELL BEFORE USING -

### NET CONTENTS

10 FL. OZ.

ONE PINT (16 FL. OZ.),

ONE U.S. QUART (32 FL. OZ.),

TWO U.S. QUARTS (64 FL. OZ.)

677/ AP  
EPA REG NO 33955-XXX  
EPA EST NO 2217-KS-1

Manufactured BY ACME DIVISION  
PBI/GORDON CORPORATION  
KANSAS CITY, MISSOURI 64101

30/00

**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

**CAUTION: HARMFUL IF ABSORBED THROUGH SKIN OR INHALED. CAUSES EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTIONS.** Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wear protective clothing, PVC gloves and apron and full face shield when handling or mixing concentrate. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
**IF ON SKIN:** Immediately remove contaminated clothing and wash thoroughly with plenty of soap and water. Get medical attention.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

**GROUNDWATER ADVISORY:** Residues of fluazifop-P-butyl can seep or leach through soil and can contaminate groundwater which may be used as drinking water. Users are advised not to apply fluazifop-P-butyl where the water table (groundwater) is close to the surface and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

**INTENDED FOR OUTDOOR DOMESTIC USE BY HOMEOWNERS ONLY.**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of application.

**STORAGE AND DISPOSAL**

**STORAGE:** Keep container closed when not in use. Do not store near food or feed.  
**PESTICIDE DISPOSAL:** Store in original container only. Securely wrap original container in several layers of newspaper and discard in trash.  
**CONTAINER DISPOSAL:** Do not reuse container (bottle, can, jar). Rinse thoroughly before discarding in trash.

**- GENERAL INFORMATION -**

Acme Onamec can be used to control grass in many newly transplanted and established plantings of ornamentals, trees, shrubs and groundcovers. Acme Onamec does not control broadleaf weeds or sedges (nutgrass).

Control Symptoms -- Acme Onamec is a systemic herbicide which moves from the treated foliage into the shoots, roots, rhizomes, stolons, and growing points of treated grass weeds. Acme Onamec provides excellent control of many grasses -- roots and all.

Growth of treated grass weeds stops soon after application. Symptoms include loss of vigor, yellowing and/or reddening, and eventual death to the treated grass plant. Symptoms are generally observed within one to three weeks, depending on grass weed species and environmental conditions.

**WHEN TO APPLY**

Apply Acme Ornamec to actively growing grasses before they exceed the recommended growth stages shown in Table A. Apply the product when the first grass species in a mixed grass weed population reaches the recommended growth stage for treatment. Do not apply to grasses which have tillered, formed seedheads, or exceeded recommended growth stages.

Do not apply Acme Ornamec to grasses which are stressed due to moisture, temperature, low soil fertility, mechanical or chemical injury.

Do not apply to ornamentals that may be harvested for food within one year after application.

Table A. Annual and perennial grasses controlled by Acme Ornamec.	
ANNUALS	
GRASS SPECIES - Growth Stage: 2 to 8 inches tall, before tillering and/or heading.	
Barnyardgrass ( <i>Echinochloa crusgalli</i> )	
Broadleaf signalgrass ( <i>Bracharia platyphylla</i> )	
Crabgrass, large ( <i>Digitaria sanguinalis</i> )	
Crabgrass, smooth ( <i>Digitaria ischaemum</i> )	
Fall Panicum ( <i>Panicum dichotomiflorum</i> )	
Field sandbur ( <i>Cenchrus pauciflorus</i> )	
Foxtail, giant ( <i>Setaria faberi</i> )	
Foxtail, green ( <i>Setaria viridis</i> )	
Foxtail, yellow ( <i>Setaria lutescens</i> )	
Goosegrass ( <i>Eleusine indica</i> )	
Guineagrass, seedling ( <i>Panicum maximum</i> )	
Itchgrass ( <i>Rottboellia exaltata</i> )	
Johnsongrass, seedling ( <i>Sorghum halepense</i> )	
Junglerice ( <i>Echinochloa colonum</i> )	
Prairie cupgrass ( <i>Eriochloa contracta</i> )	
Shattercane ( <i>Sorghum bicolor</i> )	
Southern sandbur ( <i>Cenchrus echinatus</i> )	
Southwestern cupgrass ( <i>Eriochloa gracilis</i> )	
Texas panicum ( <i>Panicum texanum</i> )	
Wild proso millet ( <i>Panicum milliaceum</i> )	
Witchgrass ( <i>Panicum capillare</i> )	
Woolly cupgrass ( <i>Eriochloa villosa</i> )	

Table A. Continued Annual and perennial grasses controlled by Acme Ornimec.	
PERENNIALS	
Grass Species	Growth Stage
Bermudagrass ( <i>Cynodon dactylon</i> )	4 to 8 inch runners
Guineagrass ( <i>Panicum maximum</i> )	6 to 12 inches tall before seedhead initiation
Quackgrass ( <i>Agropyron repens</i> )	6 to 10 inches
Rhizome johnsongrass ( <i>Sorghum halepense</i> )	8 to 18 inches tall and before boot stage
Torpedograss* ( <i>Panicum repens</i> )	3 to 6 inches tall (1st application)
Wirestem muhly ( <i>Muhlenbergia frondosa</i> )	4 to 12 inches tall before seedhead initiation

Three applications will be needed.

Acme Ornimec may be applied over-the-top and around those ornamentals with a tolerance rating of 1. Spray to ensure uniform coverage of target weeds.

Over-the-top sprays may cause significant injury to those ornamentals with a tolerance rating of 2,3 or 4. Direct the spray to avoid ornamental foliage and spot spray weeds only. Spray to ensure uniform coverage of target weeds.

Tolerance ratings indicate ornamental injury from Acme Ornimec when sprayed over-the-top of ornamentals and are based on this scale.

Tolerance Rating	Tolerance Description
1	No detectable injury
2	Slight injury may occur
3	Significant injury may occur
4	Severe injury may occur

Use hand held or pump-up sprayers. Mix 10 fluid ounces of product to one gallon of water. Apply spray to cover grass weeds.

#### Application Methods

A = Over the Top spray

B = Direct spray away from ornamentals

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TABLE 1. BROADLEAF SHRUBS

Common Name	Scientific Name	Variety	Tolerance	Method
Glossy abelia	<i>Abelia grandiflora</i>		1	A
Jacob's coat, Copperleaf	<i>Acalypha godseffiana</i>		4	B
Aloe	<i>Aloe vera</i>		1	A
Aloe	<i>Aloe zanzibarica</i>		1	A
Barbados aloe	<i>Aloe barbadensis</i>		1	A
False spirea, Astilbe	<i>Astilbe x arendsii</i>		1	A
Saltbush, Orach	<i>Atriplex sp.</i>		1	A
Japanese laurel	<i>Aucuba japonica</i> <i>Caesalpinia cocalaco</i>	Variegata	1	A
Desert broom, Chaparral broom	<i>Baccharis pilularis</i>		3	B
Japanese barberry	<i>Berberis thunbergii</i>	Crimson pygmy	1	A
Mentor barberry	<i>Berberis mentorensis</i>		1	A
Cats claw, Yellow trumpet	<i>Bignonia Tweediana</i>		2	B
Bougainvillea	<i>Bougainvillea sp.</i>		1	A
Common boxwood	<i>Buxus sempervirens</i>	Welleri	1	A
Japanese boxwood	<i>Buxus microphylla</i>	Japonica	1	A
Korean boxwood	<i>Buxus microphylla</i>	Koreana	1	A
Bird of paradise	<i>Caesalpinia gilliesii</i>		1	A
Bottle-brush	<i>Callistemon lanceolatus</i>		1	A
Camellia	<i>Camellia japonica</i>		1	A
Sasanqua camellia	<i>Camellia sasanqua</i>		1	A
Natal plum	<i>Carissa grandiflora</i>	Tuttlei	1	A
African cassia	<i>Cassia didymobotrya</i>		1	A
Feathery cassia, Wormwood	<i>Cassia artemisioides</i>		1	A
Senna	<i>Cassia bicapsularis</i>		3	B
Senna	<i>Cassia sturtii</i>		1	A
Grape ivy, Treebine	<i>Cissus rhombifolia</i>	Ellen Danica	1	A
Pagoda flower	<i>Clerodendrum speciosum</i>		1	A
Cleyera	<i>Cleyera spp.</i>		1	A
Croton, Variegated laurel	<i>Codiaeum variegatum</i>		1	A
Coffee, Arabica coffee	<i>Coffea arabica</i>		1	A
Mirror plant	<i>Coprosma baueri</i>		1	A
Variegated mirror plant	<i>Coprosma repens</i>		1	A
Cotoneaster	<i>Cotoneaster microphyllus</i>		1	A
Cotoneaster	<i>Cotoneaster repens</i>		1	A
Cotoneaster	<i>Cotoneaster divaricatus</i>		1	A
Cranberry cotoneaster	<i>Cotoneaster apiculata</i>		1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Willowleaf cotoneaster	<i>Cotoneaster salicifolius</i>	franch	1	A
Crossandra, Firecracker flower	<i>Crossandra nitotica</i>		1	A
Slender deutzia	<i>Deutzia gracilis</i>		1	A
Bush honeysuckle	<i>Diervilla lonicera</i>		1	A
Brittlebush	<i>Encelia farinosa</i>		1	A
Escallonia	<i>Escallonia iradessii</i>		1	A
Escallonia	<i>Escallonia rubra</i>		1	A
Brush cherry	<i>Eugenia myrtifolia</i>		1	A
Spindle tree	<i>Euonymus japonica</i>	Silver King	1	A
Winged Spindle Tree	<i>Euonymus alata</i>	Compacta	4	B
Fatshedera, Ivy tree, Aralia	<i>Fatshedera lizei</i>		1	A
Pineapple guava	<i>Feijoa sellowiana</i>		2	B
Creeping fig, Climbing fig	<i>Ficus repens</i>		1	A
Exotica weeping fig	<i>Ficus benjamina</i>		1	A
Rubber tree	<i>Ficus elastica</i>	decora	1	A
Weeping fig, laurel	<i>Ficus benjamina</i>		1	A
Border forsythia	<i>Forsythia x intermedia</i>		1	A
	<i>Hesperaloe parviflora</i>			
Forsythia	<i>Forsythia intermedia</i>		1	A
Forsythia	<i>Forsythia sp.</i>		1	A
Weeping forsythia	<i>Forsythia suspensa</i>		1	A
Octotillo, Vine cactus	<i>Fouquieria splendens</i>		1	A
	<i>Gamolepis chrysanthemoides</i>		2	B
Caricature plant	<i>Graptophyllum pictum</i>		1	A
Spider flower	<i>Grevillea rosmarinifolia</i>		1	A
Lavender star plant	<i>Grewia caffra</i>		2	B
Althoa, Rose of Sharon	<i>Hibiscus syriacus</i>		1	A
Chinese hibiscus	<i>Hibiscus rose-sinensis</i>		1	A
Oakleaf hydrangea	<i>Hydrangea quercifolia</i>		1	A
Panicle hydrangea	<i>Hydrangea paniculata</i>		1	A
American Holly	<i>Ilex opaca</i>		1	A
Compact inkberry	<i>Ilex glabra</i>		1	A
Dwarf burford holly	<i>Ilex cornuta</i>		1	A
Dwarf yaupon/Tall yaupon	<i>Ilex vomitoria</i>		1	A
Fosteria holly	<i>Ilex x attenuata</i>		1	A
Japanese holly	<i>Ilex crenata</i>		1	A
Meserve Holly	<i>Ilex x Meserveae</i>		1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Ixora, Jungle geranium	<i>Ixora coccinea</i>		1	A
Justicia	<i>Justicia spicigera</i>	Firecracker	1	A
King's crown, Plume flower, Flamingo Plant	<i>Justicia carnea</i>		3	B
Mexican indigo	<i>Justicia spicigera</i>		1	A
Shrimp plant, False hop	<i>Justicia brandegeana</i>		3	B
Water willow	<i>Justicia ghiesbreghtiana</i>		1	A
Crape myrtle	<i>Lagerstroemia indica</i>		1	A
Texas sage	<i>Leptospermum frutescens</i>		1	A
Fetterbush	<i>Leucothoe axillaris</i>		2	B
Gay feather, Blazing Star	<i>Liatris spicata</i>		1	A
Amur Privet	<i>Ligustrum amurense</i>		1	A
California Privet	<i>Ligustrum ovalifolium</i>		1	A
Japanese privet	<i>Ligustrum japonicum</i>		2	B
Texas privet	<i>Ligustrum texanum</i>		1	A
Vicari	<i>Ligustrum x Vicari</i>		1	A
Japanese honeysuckle	<i>Lonicera japonica</i>		2	B
Fly Honeysuckle	<i>Lonicera xylosteum</i>	Emerald Mound	1	A
Desert fern tree	<i>Lysiloma thomberii</i>		1	A
Star Magnolia	<i>Magnolia stellata</i>		1	A
Holly Mahonia, Oregon grape	<i>Mahonia aquifolium</i>		1	A
Myoporum	<i>Myoporum sp.</i>		1	A
Wax myrtle	<i>Myrica cerifera</i>		1	A
Heavenly bamboo	<i>Nandina domestica</i>		2	B
Oleander	<i>Nerium oleander</i>		2	B
Oleander, pink, variegated, petite	<i>Nerium oleander</i>		1	A
Red justicia	<i>Odontonema strictum</i>		3	B
Osmanthus, tea olive	<i>Osmanthus fragans</i>		1	A
Yellow shrimp plant	<i>Pachysiachys lutea</i>		3	B
Mock orange	<i>Philadelphus coronarius</i>	Aurea	1	A
Photinia	<i>Photinia x fraseri</i>		1	A
Ninebark	<i>Physocarpus opulifolius</i>		1	A
Lily-of-the-valley bush, Pieris	<i>Pieris japonica</i>		1	A
Desert willow, narrowleaf pittosporum	<i>Pittosporum phillyraeoides</i>		1	A
Japanese pittosporum	<i>Pittosporum tobira</i>	Variegated	1	A
Cane plumbago	<i>Plumbago capensis</i>		1	A
Ming aralia	<i>Polyscias fruitcosa</i>		1	A



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Common Name	Scientific Name	Variety	Tolerance	Method
Cinquefoil	<i>Potentilla verna</i>		2	B
Potentilla, Shrubby cinquefoil	<i>Potentilla fruticosa</i>	Gold drop, Primrose beauty	1	A
Giant protea, King protea	<i>Protea cynaroids</i>		1	A
Oleander-leaved protea	<i>Protea neriifolia</i>		1	A
Protea	<i>Protea compacta</i>		1	A
Purple false eranthemum	<i>Pseuderanthemum atropurpureum</i>		1	A
Mojave firethorn, pyracantha	<i>Pyracantha koidzumii x coccinea</i>		1	A
Pyracantha or firethorn	<i>Pyracantha graberi</i>		1	A
Pyracantha, firethorn	<i>Pyracantha koidzumii</i>	Loeense	1	A
Scarlet firethorn	<i>Pyracantha coccinea</i>	Lalandei	1	A
Variegated firethorn	<i>Pyracantha angustifolia</i>		1	A
Indian hawthorn	<i>Raphiolepis indica</i>		1	A
Yedda hawthorn	<i>Raphiolepis umbellata</i>		1	A
Tallhedge buckthorn	<i>Rhamnus frangula</i>		1	A
Catawba Rhododendron	<i>Rhododendron catawbiense</i>	Less dark purple, Purpureum elegans, White cattauba, Roseum elegans, Purple elegans, Roseum superbum, English roseum	1	A
Hiryu azalea	<i>Rhododendron obtusum</i>	Hino Crimson	4	B
Hiryu azalea	<i>Rhododendron obtusum</i>	Hershey's Red, Hinodegiri, Hino pink	3	B
Hiryu azalea	<i>Rhododendron obtusum</i>	Amoenum, Coral bells	1	A
Hiryu azalea, Kirishima azalea	<i>Rhododendron obtusum</i>	Eureka and Kurume	2	B
Korean azalea, Yodogawa azalea	<i>Rhododendron yedoense</i>	Poukhanense	1	A
Korean azalea	<i>Rhododendron poukhanensis</i>		3	B
Macranthum azalea	<i>Rhododendron indicum</i>	Indica	2	B
Macranthum azalea	<i>Rhododendron indicum</i>	Formosa	3	B
P.J.M. Hybrids of Rhododendron	<i>Rhododendron x. carolinianum x. R. dauricum sempervirens</i>		2	B

Common Name	Scientific Name	Variety	Tolerance	Method
Rhododendron	<i>Rhododendron sp.</i>	Bleauw's pink, Rutherfordiana Constance, White cascade, Prize, Kluis sensation, Sweetheart, Kaempo, Royalty, Hahn red, Red wing, Gumpo white, Salmon Spray, Road runner, Tradition, Gloria, Gumpo pink, Greeting, Pink pearl, Pericat, Tabor, Mother's Day, Snow, Massolt, Red ruffe, Delaware Valley white, Purple Gem, H.H. Hume, Stewartstonian, Hino red, Rosebud, Fashion, Herbert, Gibraltar, Gerard's rose, Boule de neige, President Lincoln	1	A
Rhododendron "Gable Hybrid"	<i>Rhododendron "Gable Hybrid"</i>	Elizabeth Gable, Purple splendor, Rose greely	1	A
Rhododendron	<i>Rhododendron formosa</i>		1	A
Fragrant sumac	<i>Rhus aromatica</i>		3	B
Banksia rose	<i>Rosa banksiae</i>		1	A
Hybrid tea rose	<i>Rosa hybrida</i>		1	A
Rose	<i>Rosa sp.</i>		1	A
Lavender cotton, Santolina	<i>Santolina chamaecyparissus</i>		1	A
Jojoba, goat nut	<i>Simmondsia chinensis</i>		1	A
Billiard spirea	<i>Spiraea x billiardii</i>		1	A
Snowmound spirea	<i>Spiraea nipponica</i>		1	A
Spiraea or Bridal wreath	<i>Spiraea x bumalda</i>	Anthony Waterer, Froebelii, or Gold Flame	1	A
Crispa spirea	<i>Spiraea x bumalda</i>		1	A
Vanhoutte spirea	<i>Spiraea x vanhouteii</i>		2	B
Firewheel tree, Wheel of fire	<i>Stenocarpus sinuatus</i>		1	A
Chinese Lilac	<i>Syringa chinensis</i>		2	B
Korean lilac	<i>Syringa patula</i>		1	A
Lilac	<i>Syringa meyeri</i>	Palibin	1	A
Lilac	<i>Syringa villosa</i>		1	A
Australian brush cherry	<i>Syzygium paniculatum</i>		1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Cape honeysuckle	<i>Tecomaria capensis</i>		1	A
Cleyera	<i>Temstroemia gymnanthera</i>		1	A
Laurel-leaved thunbergia	<i>Thunbergia laurifolia</i>		3	B
Asiatic jasmine	<i>Trachelospermum asiaticum</i>		1	A
Ornamental blueberry, Rabbiteye blueberry	<i>Vaccinium ashei</i>		3	B
Compact cranberrybush viburnum	<i>Viburnum trilobum</i>		1	A
Cranberry bush	<i>Viburnum opulus</i>	Nanum	1	A
Doublefile viburnum	<i>Viburnum plicatum</i>	Tomentosum	1	A
Sandankwa viburnum	<i>Viburnum suspensum</i>		1	A
Viburnum	<i>Viburnum x juddii</i>	Judd	1	A
Viburnum	<i>Viburnum odoratissium</i>		1	A
Viburnum/willowwood	<i>Viburnum x rhytidophylloides</i>		1	A
Pink weigelia	<i>Weigela florida</i>		1	A
Weigela	<i>Weigela florida</i>	Newport red	1	A

**TABLE 2 BROADLEAF TREES**

Acacia	<i>Acacia latifolia</i>		3	B
Shoe-string acacia	<i>Acacia stenophylla</i>		1	A
Sweet acacia	<i>Acacia farnesiana</i>		3	B
Willow acacia	<i>Acacia saligna</i>		1	A
Willow-leaved acacia	<i>Acacia salicina</i>		1	A
Japanese Maple	<i>Acer palmatum</i>		1	A
Norway maple	<i>Acer platanoides</i>		1	A
Red Maple	<i>Acer rubrum</i>		2	B
Silver maple	<i>Acer saccharinum</i>		1	A
Australia tree fern	<i>Alsophia australis</i>		4	B
Strawberry tree	<i>Arbutus unedo</i>		2	B
Birch/River	<i>Betula nigra</i>		4	B
Bottle tree, Kurrajong	<i>Brachychiton populneus</i>		3	B
Carob tree	<i>Ceratonia siliqua</i>		1	A
Palo verde	<i>Cercidium floridum</i>		3	B
Red bud	<i>Cercis canadensis</i>		1	A
Fiddlewood	<i>Citharexylum spinosum</i>		3	B
Grapefruit	<i>Citrus paradisi</i>		1	A
Sour orange	<i>Citrus aurantium</i>		1	A
American dogwood	<i>Cornus sericea</i>	Flaviramea	1	A
Cornelian cherry dogwood	<i>Cornus mas</i>		1	A
Flowering dogwood	<i>Cornus florida</i>		1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Red twig dogwood	<i>Cornus sericea</i>		1	A
Carrot wood	<i>Cupaniopsis anacardiopsis</i>		3	B
Purple hopseed bush	<i>Dodonea viscosa purpurea</i>		1	A
Russian olive	<i>Elaeagnus angustifolia</i>		1	A
Fastadiata, Swamp immortal	<i>Erythrina fusca</i>		1	A
Desert gum	<i>Eucalyptus rudis</i>		1	A
Gum-barked coolibah	<i>Eucalyptus microtheca</i>		1	A
Lemon-scented gum	<i>Eucalyptus citriodora</i>		2	B
Narrow-leaved black peppermint	<i>Eucalyptus nicholii</i>		3	B
Narrow-leaf gimlet, Swamp mallee	<i>Eucalyptus spathulata</i>		1	A
Red box gum, Silver dollar gum	<i>Eucalyptus polyanthemus</i>		1	A
Red Gum	<i>Eucalyptus rostrata</i>		1	A
Arizona Ash	<i>Fraxinus velutina</i>		1	A
Honey locust/shade master	<i>Gleditsia triacanthos</i>	inermis	1	A
Silk oak	<i>Grevillea robusta</i>		1	A
Jacaranda	<i>Jacaranda acutifolia</i>		1	A
Australian tea tree	<i>Leptospermum laevigatum</i>		1	A
American sweetgum	<i>Liquidambar styraciflua</i>		1	A
Oregon grapeholly	<i>Magnolia sp.</i>		1	A
Southern magnolia	<i>Magnolia grandiflora</i>		3	B
Showy crabapple	<i>Malus floribunda</i>		1	A
New Zealand christmas tree	<i>Metrosideros excelsus</i>		1	A
Ethiopia banana	<i>Musa maurelii</i>		1	A
Olive tree	<i>Olea europaea</i>		1	A
Desert Ironwood	<i>Olneya tesota</i>		1	A
Green palo verde, Jerusalem thorn	<i>Parkinsonia aculeata</i>		1	A
Golden bamboo	<i>Phyllostachys aurea</i>		1	A
Dwarf Ninebark	<i>Physocarpus opulifolius</i>	Nanus, Gold drop	1	A
Temple tree	<i>Plumeria acuminata</i>		2	B
Chilean mesquite	<i>Prosopis chilensis</i>		1	A
Carolina cherry, Ornamental cherry	<i>Prunus caroliniana compacta</i>		1	A
Flowering almond	<i>Prunus triloba</i>		1	A
Bradford pear, Ornamental Pear	<i>Pyrus calleryana</i>		1	A
Oak, live	<i>Quercus virginiana</i>		1	A

Common Name	Scientific Name	Variety	Tolerance	Method
African sumac standard	<i>Rhus lancea</i>		1	A
Corkscrew willow	<i>Salix matsudana</i>	Tortuosa	1	A
Weeping willow	<i>Salix alba</i>		1	A
Brazilian peppertree	<i>Schinus terebinthifolius</i>		1	A
California peppertree	<i>Schinus molle</i>		1	A
Giant bird of paradise tree	<i>Strelitzia nicolai</i>		1	A
Yellow bells	<i>Tecoma stans</i>	angustate	1	A
Yellow oleander tree	<i>Thevetia peruviana</i>		1	A
Star jasmine	<i>Trachelospermum jasminoides</i>		1	A
Xylosma	<i>Xylosma congestum</i>		1	A

**TABLE 3 GROUNDCOVERS**

Variegated ajuga, Carpet bugleweed	<i>Ajuga reptans</i>		2	B
Bearberry, Kinnikinick	<i>Arctostaphylos uva-ursi</i>		1	A
Asparagus fern	<i>Asparagus densiflorus</i>	Myres and Sprenger	1	A
Coromandel	<i>Asystasia gangetica</i>		3	B
Scotch heather	<i>Calluna vulgaris</i>		1	A
Ceanothus	<i>Ceanothus grisea</i>		2	B
Snow in summer	<i>Cerastium tomentosum</i>		1	A
Rockrose	<i>Cistus hybridus</i>		1	A
Bush morningglory	<i>Convolvulus oneorum</i>		1	A
Bearberry cotoneaster	<i>Cotoneaster dammeri</i>	Coral beauty, Royal beauty	1	A
White iceplant (trailing)	<i>Delosperma alba</i>		3	B
Pothos, Pothos vine	<i>Epipremnum aureum</i>	Marble Queen	3	B
Ornamental strawberry	<i>Fragaria chiloensis</i>		1	A
Gazania gold rush	<i>Gazania splendens</i>		1	A
Treasure flower	<i>Gazania ringens</i>	Leucolaena	2	B
Algerian ivy	<i>Hedera canariensis</i>		1	A
English ivy	<i>Hedera helix</i>		1	A
Hahn's ivy	<i>Hedera helix</i>	hahnii	1	A
Waffle plant/Metallic plant, Red ivy	<i>Hemigraphis sp.</i>		1	A
Chinese juniper	<i>Juniperus chinensis</i>	Blue vase	1	A
Chinese juniper	<i>Juniperus chinensis procumbens</i>	Variegata	2	B
Japparden juniper	<i>Juniperus procumbens</i>		1	A

Common Name	Scientific Name	Variety	Tolerance	Method
Savin juniper	<i>Juniperus sabina</i>	Arcadia, Prostrata, Tamariscifolia, Scandia Variegated, Broadmoor	2	B
Savin juniper	<i>Juniperus sabina</i>	Scandia, Pepin, and Buffalo	1	A
Shore juniper	<i>Juniperus conferta</i>		1	A
Shore juniper	<i>Juniperus conferta</i>	Blue Pacific	2	B
Creeping juniper	<i>Juniperus horizontalis</i>	Plumosa	1	A
Creeping juniper	<i>Juniperus horizontalis</i>	Blue rug, Wiltonii, Hughes, Youngtown compacta	2	B
White lantana	<i>Lantana monteuidensis</i>		2	B
Liriope	<i>Liriope spicata</i>		1	A
Green liriope/Variegated liriope	<i>Liriope muscari</i>		1	A
Moneywort/Wandering Sally	<i>Lysimachia nummularia</i>		1	A
White African Daisy	<i>Osteospermum fruticosum</i> <i>alba</i>		1	A
Japanese pachysandra, Japanese spurge	<i>Pachysandra terminalis</i>		1	A
Ivy geranium	<i>Pelargonium peltatum</i>		1	A
Capeweed	<i>Phyla nodiflora</i>		1	A
Creeping Charlie	<i>Pilea nummulariifolia</i>		1	A
Rosemary	<i>Rosmarinus officinalis</i>	prostratus	1	A
Brown beam	<i>Sedum guatemalense</i>		1	A
Christmas cheer	<i>Sedum x rubrotinctum</i>		1	A
Green stone crop, Sedum	<i>Sedum brevifolium</i>		1	A
Sedum	<i>Sedum spectabile</i>		1	A
Asiatic jasmine	<i>Trachelospermum asiaticum</i>		1	A
Crown Vetch	<i>Vicia sp.</i>		1	A
Myrtle, Dwarf periwinkle	<i>Vinca minor</i>		1	A

**TABLE 4 HERBACEOUS PLANTS**

Common yarrow	<i>Achillea millefolium</i>		1	A
Fernleaf yarrow	<i>Achillea filipendulina</i>	Coronation gold	1	A
Peter Pan lily of the Nile, African lily	<i>Agapanthus africanus</i>		1	A
Ageratum	<i>Ageratum sp.</i>		1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Fransher evergreen, Silver Queen evergreen, Ribbon evergreen	<i>Aglaonema commutatum</i>		1	A
Painted drop-tongue	<i>Aglaonema crispum</i>			A
Bugleweed	<i>Ajuga variegata</i>		2	B
Hollyhock	<i>Alcea rosea</i>		1	A
Chives	<i>Allium schoenopresum</i>			A
Alyssum	<i>Alyssum sp.</i>		1	A
Snapdragon	<i>Antirrhinum</i>		1	A
Columbine	<i>Aquilegia hybrida</i>		2	B
Sandwort	<i>Arenaria verna</i>		1	A
Field Marigold, Pot Marigold	<i>Calendula sp.</i>		1	A
Bellflower	<i>Campanula carpatica</i>		1	A
Madagascar periwinkle	<i>Catharanthus roseus</i>		4	B
Dusty miller	<i>Centaurea cineraria</i>		1	A
Spider plant, Ribbon plant	<i>Chlorophytum comosum</i>		4	B
Shasta daisy	<i>Chrysanthemum x superbum</i>		1	A
Kaffir lily	<i>Clivia miniata</i>		1	A
Coleus	<i>Coleus x hybridus</i>		1	A
Cordyline, Dracaena	<i>Cordyline stricta</i>		3	B
Ti, Goodluck plant	<i>Cordyline terminalis</i>		1	A
Threadleaf coreopsis	<i>Coreopsis verticillata</i>		1	A
Umbrella plant, Umbrella palm	<i>Cyperus alternifolius</i>		3	B
Sweet William	<i>Dianthus barbatus</i>		1	A
Bleeding heart	<i>Dicentra spectabilis</i>		3	B
Giant dumbcane	<i>Dieffenbachia amoena</i>		1	A
Dracaena	<i>Dracaena deremensis</i>		3	B
Dracaena, Corn plant	<i>Dracaena fragans</i>	Massangeana	2	B
Tricolor dracaena	<i>Dracaena marginata</i>		2	B
Euonymus	<i>Euonymus fortunei</i>		1	A
Spreading euonymus	<i>Euonymus kiautschovica</i>		1	A
Winged Spindle Tree	<i>Euonymus alata</i>	Siebold	1	A
Grayleaf daisy	<i>Euryops pectinatus</i>		1	A
Gardenia, dwarf	<i>Gardenia jasminoides</i>		1	A
Gazania	<i>Gazania uniflora leucholaena</i>		1	A
Treasure Flower	<i>Gazania rigens</i>		2	B
Carolina jessamine, Evening trumpet flower	<i>Gelsemium sempervirens</i>		1	A
Geranium	<i>Geranium pratense</i>	Cranesbill	1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Gladiolus	<i>Gladiolus x hortulanus</i>	Gallery	2	B
Gladiolus	<i>Gladiolus x hortulanus</i>	Debbie, Jennie, Mahogany, Stargaze	1	A
Daylily	<i>Hemerocallis hybrids</i>		1	A
Green Carpet, Rupturewort	<i>Hemiaria glabra</i>		2	B
Variegated hosta	<i>Hosta lancifolia</i>		1	A
Candytuff	<i>Iberis sempervirens</i>		1	A
Iris	<i>Iris sp.</i>		1	A
Blue star creeper	<i>Isotoma sp.</i>		1	A
Chandelier plant	<i>Kalanchoe tubiflora</i>		4	B
Lavender-scallopes	<i>Kalanchoe fedtschenkoi</i>		4	B
Compact burningbush	<i>Kochia scoparia trychophylla</i>		1	A
Bush lantana	<i>Lantana camara</i>		1	A
Purple lantana (trailing)	<i>Lantana sellowiana</i>		1	A
Liriope	<i>Liriope spicata</i>		1	A
Morrow honeysuckle	<i>Lonicera x morrowii</i>		1	A
Purple trailing ice plant	<i>Mesembryanthemum lampranthus</i>		1	A
Red spike ice plant	<i>Mesembryanthemum lampranthus spectabilis</i>		1	A
Rose ice plant	<i>Mesembryanthemum drosanhemum hispidum</i>		1	A
Sword fern	<i>Nephrolepis exaltata</i>		1	A
Mexican evening primrose	<i>Oenothera berlandier</i>		3	B
Passion flower	<i>Passiflora pfordtii</i>		1	A
Geranium, Martha Washington geranium	<i>Pelargonium domesticum</i>		1	A
Baby rubber plant	<i>Peperomia obtusifolia</i>		3	B
Radiator plant	<i>Peperomia scandens</i>		1	A
Petunia	<i>Petunia sp.</i>		1	A
Philodendron	<i>Philodendron sp.</i>		2	B
Philodendron	<i>Philodendron selloum</i>		1	A
Velvetleaf philodendron	<i>Philodendron oxycardium</i>	Micans	1	A
Swedish ivy	<i>Plectranthus australis</i>		3	B
Pinkhead knotweed	<i>Polygonum capitatum</i>		3	B
Leatherleaf fern	<i>Polystichum capense</i>		1	A
Ruellia	<i>Ruellia ciliosa</i>		2	B
Salvia	<i>Salvia greggii</i>		1	A
Sansevierias	<i>Sansevieria sp.</i>		1	A



Common Name	Scientific Name	Variety	Tolerance	Method
Mother-in-law's tongue, Snake plant	<i>Sansvieria trifasciata</i>	Hahnii	1	A
Hen and chickens, common houseleek	<i>Sempervivum tectorum</i>		1	A
Spiderwort	<i>Setcreasea purpurea</i>	Purple heart	4	B
Annual statice	<i>Statice sinuata</i>		1	A
Bird of paradise	<i>Strelitzia reginae</i>		1	A
Marigold	<i>Tagetes sp.</i>		1	A
Oyster plant, Salsify	<i>Tragopogon porrifolius</i>		2	B
Strawberry clover	<i>Trifolium fragiferum</i>		1	A
Myrtle, Dwarf periwinkle	<i>Vinca minor</i>		1	A
Periwinkle	<i>Vinca major</i>		1	A
Spanish dagger	<i>Yucca gloriosa</i>		1	A
Weeping dagger	<i>Yucca pendula</i>		1	A
Yucca	<i>Yucca filamentosa</i>		1	A
Wandering jew, Inch plant	<i>Zebrina pendula</i>		4	B
Zinnia	<i>Zinnia sp.</i>		1	A

**TABLE 5 NEEDLED EVERGREENS**

Concolor fir	<i>Abies concolor</i>		1	A
Fraser fir	<i>Abies fraseri</i>		2	B
Noble fir	<i>Abies procera</i>		1	A
Norfolk Island pine	<i>Araucaria heterophylla</i>		1	A
Hinoki falsecypress	<i>Chamaecyparis obtusa</i>		1	A
Allum Lawson cypress	<i>Chamaecypraris lawsoniana</i>		1	A
Sawara cypress	<i>Chamaecyparis pisifera</i>	Plumosa	1	A
Leyland cypress	<i>Cupressocyparis leylandi</i>		2	B
Italian cypress	<i>Cupressus sempervirens</i>		1	A
Red Cedar, Eastern Red Cedar	<i>Juniperus virginiana</i>	Burkii	3	B
Red Cedar	<i>Juniperus virginiana</i>	Grey owl and Sky Rocket	2	B
Red Cedar	<i>Juniperus virginiana</i>		1	A
Creeping juniper	<i>Juniperus horizontalis</i>	Admiral	1	A
Creeping Juniper	<i>Juniperus horizontalis</i>	Bar Harbor, Blue Chip, Prince of Wales	4	B

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Common Name	Scientific Name	Variety	Tolerance	Method
Chinese juniper	<i>Juniperus chinensis</i>	Hetzii, Torulosa, Gold tip, Nicks compact juniper, Keteleeri, Hollywood, Blue Point, Blue vase juniper, Parsoni, Gold coast juniper, Sargentii	1	A
Chinese juniper	<i>Juniperus chinensis</i>	Pfitzeriana, Nana, Old Gold, Robusta Green, Maney, Spearmint	2	B
Chinese juniper	<i>Juniperus chinensis</i>	Armstrong	3	B
Chinese Juniper	<i>Juniperus chinensis</i>	Sea Green	4	B
Japgarden juniper	<i>Juniperus procumbens</i>		1	A
Rocky Mountain Juniper, Colorado red cedar	<i>Juniperus scopulorum</i>	Pathfinder and Welchii	2	B
Rocky Mountain Juniper, Colorado Red Cedar	<i>Juniperus scopulorum</i>	Blue Haven	4	B
Rocky Mountain Juniper/Colorado Red Cedar	<i>Juniperus scopulorum</i>	Witchita blue and Cologreen	1	A
Colorado Red Cedar, Rocky Mountain Juniper	<i>Juniperus scopulorum</i>		3	B
Savin juniper	<i>Juniperus sabina</i>	Pepin and Buffalo	1	A
Blue Spruce	<i>Picea pungens</i>		1	A
Norway spruce	<i>Picea abies</i>		1	A
Serbian spruce	<i>Picea omorika</i>		1	A
White Spruce	<i>Picea glauca</i>	Dwarf Alberta, Black Hills, Obsata	1	A
Austrian pine/Black pine	<i>Pinus nigra</i>		1	A
Canary Island pine	<i>Pinus canariensis</i>		1	A
Dwarf Swiss mountain pine	<i>Pinus mugo</i>		1	A
Eastern white pine	<i>Pinus strobus</i>		1	A
Mexican border pine	<i>Pinus strobiformis</i>		1	A
Red pine	<i>Pinus resinosa</i>		1	A
Scotch pine	<i>Pinus sylvestris</i>		1	A
Western Yellow Pine or Ponderosa pine	<i>Pinus ponderosa</i>		1	A
African fern pine	<i>Podocarpus gracilior</i>		1	A
Scuthern Yew, Japanese Yew	<i>Podocarpus macrophyllus</i>	Maki	2	B
Yew pine	<i>Podocarpus macrophylla</i>		1	A
Douglas fir	<i>Pseudotsuga menziessi</i>		1	A
Anglojap yew, Dense Yew	<i>Taxus x media</i>	Thayerae, Hicksii, and Densiformis	1	A

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Common Name	Scientific Name	Variety	Tolerance	Method
Japanese yew	<i>Taxus cuspidata</i>		1	A
American Arborvitae, White Cedar	<i>Thuja occidentalis</i>	Emerald green, Woodwardii, Techny, Pyramidalis, Globosa, Techny	1	A
Oriental Arborvitae	<i>Thuja orientalis</i>	Berkman's	1	A
Eastern hemlock	<i>Tsuga canadensis</i>		1	A
<b>TABLE 6 PALMS, CACTUS, SUCCULENTS, GRASSES</b>				
Queen palm	<i>Acrecastrum romanzoffianum</i>		1	A
Century plant, American Aloe	<i>Agave americana</i>		1	A
Baby Sun Rose	<i>Aptenia cordifolia</i>	Hearts and flowers	3	B
Saguaro cactus	<i>Carnegiea gigantea</i>		1	A
Mediterranean fan palm	<i>Chamaerops humilis</i>		1	A
Windmill palm	<i>Chamaerops excelsa</i>		1	A
Golden fruited palm, Yellow palm	<i>Chrysalidocarpus lutescens</i> (small)		1	A
Pampas grass	<i>Cortaderia selloana</i>		4	B
Jade plant, Dollar plant	<i>Crassula argentea</i>		3	B
Sago palm	<i>Cycas revoluta</i>		1	A
Hedgehog cactus	<i>Echniocactus sp.</i>		1	A
Candelabra Cactus, Falsecactus	<i>Euphorbia lactea</i>		1	A
Barrel cactus	<i>Ferocactus sp.</i>		1	A
Chinese fan palm	<i>Livistona chinensis</i>		1	A
Mondo grass	<i>Ophiopogon japonicum</i>		2	B
Cholla cactus	<i>Opuntia cholla</i>		1	A
Prickly pear cactus	<i>Opuntia sp.</i>		2	B
Slipper flower, Redbird flower	<i>Pedilanthus tithymaloides</i>		3	B
Green Fountain grass	<i>Pennisetum sectaceum</i>		2	B
Red Fountain grass	<i>Pennisetum setaceum</i>		1	A
Canary Island date palm	<i>Phoenix canariensis</i>		1	A
Pygmy date palm	<i>Phoenix roebelenii</i>		1	A
Mexican fan palm	<i>Washingtonia robusta</i>		1	A

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