

33955-559

9/23/2003

Jacket
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

SEP 23 2003

Craig Martens
PBI Gordon Corporation - Acme Division
P.O. Box 014090
Kansas City, MO 64101-0090

Dear Mr. Martens:

Subject: Revised Labeling
Acme Ornamec Herbicide
EPA Registration No. 33955-559 ✓
Your Submission Dated September 9, 2003

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you submit one (1) copy of your final printed labeling before you release the product for shipment.

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

If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller".

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

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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%

INERT INGREDIENTS:.....

98.30%

TOTAL

100.00%

*This product contains 0.125 pound (+) isomer (fluazifop-P-butyl) per gallon.
Contains petroleum distillates, xylene or xylene range aromatic solvent.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back/side panel for additional Precautionary Statements and First Aid.

- SHAKE WELL BEFORE USING -

**NET CONTENTS: 10 FL.OZ.; 1 PINT (16 FL.OZ.); 30 FL.OZ.;
1 U.S. QUART (32 FL.OZ.); or 2 U.S. QUARTS (64 FL.OZ.)**

677/ AP-----
EPA REG. NO. 33955-559
EPA Est. No. 2217-KS-1
MANUFACTURED BY:



Telephone: 1-800-821-7925

ACCEPTED
SEP 23 2003
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 33955-559



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.

First Aid

If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.</p> <p>Note to Physician: Contains Petroleum distillate—vomiting may cause aspiration pneumonia.</p>	

ENVIRONMENTAL HAZARDS:

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

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

PESTICIDE STORAGE: Keep container closed when not in use. Do not store near food or feed.

CONTAINER DISPOSAL:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

GENERAL INFORMATION:

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

Control Symptoms - Acme® Ornamec® is a systemic herbicide which moves from the treated foliage into the shoots, roots, rhizomes, stolons, and growing points of treated grass weeds. Acme® Ornamec® 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
Barnyardgrass (<i>Echinochloa crusgalli</i>)	2 to 8 inches tall, before tillering and/or heading.
Broadleaf signalgrass (<i>Brachiaria 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>)	

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PERENNIALS	
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 ¹ (<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
¹ Three applications will be needed.	

Acme® Ornamec® 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® Ornamec® when sprayed over-the-top of ornamentals and are based on this scale.

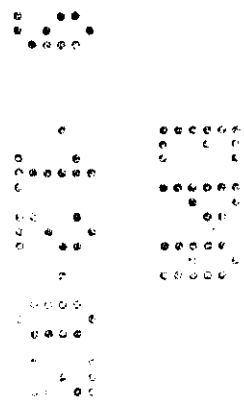
Tolerance Rating	Tolerance Description
1	No detectable injury
2	Slight injury may occur
3	Significant injury may occur
4	Severe injury may occur

HOW TO USE:

Use hand held or pump-up sprayers. Mix 10 fluid ounces of product to one gallon of water. Apply spray to cover grass weeds. One gallon of spray will treat 1,000 to 1,200 square feet of ornamental plantings.

Optional instructions for 7.5 fluid ounce retail containers:

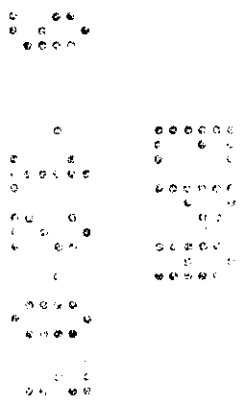
HOW TO MIX:		
Use hand held or pump-up sprayers. Mix amount of product to additional water to make final spray volume. Apply spray to cover grass weeds.		
MIX TABLE		
Add this Amount of Acme® Ornamec® Herbicide	With Water To Make this Spray Volume	Area To Be Treated, Square Feet
2.5 fl.oz. (4.5 Tbsp.)	32 fl.oz. (1 quart)	250 - 300
5 fl.oz.	2 quarts	500 - 600
7.5 fl.oz.	3 quarts	750 - 900



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Optional instructions for 15 fluid ounce retail containers:

HOW TO MIX: Use hand held or pump-up sprayers. Mix amount of product to additional water to make final spray volume. Apply spray to cover grass weeds.		
MIX TABLE		
Add this Amount of Acme® Ornamec® Herbicide	With Water To Make this Spray Volume	Area To Be Treated, Square Feet
2.5 fl.oz. (4.5 Tbsp.)	32 fl.oz. (1 quart)	250 - 300
5 fl.oz.	2 quarts	500 - 600
7.5 fl.oz.	3 quarts	750 - 900
10 fl.oz.	1 gallon	1,000 - 1,200
15 fl.oz.	1.5 gallons	1,500 - 1,800



Application Methods:

A = Over the Top spray

B = Direct spray away from ornamentals

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 cacalaco</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

TABLE 1. BROADLEAF SHRUBS - CONTINUED

Common Name	Scientific Name	Variety	Tolerance	Method
Cranberry cotoneaster	<i>Cotoneaster apiculata</i>		1	A
Willowleaf cotoneaster	<i>Cotoneaster salicifolius</i>	franch	1	A
Crossandra, Firecracker flower	<i>Crossandra nilotica</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 fradessii</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 splindle 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 benamina</i>		1	A
Rubber tree	<i>Ficus elastica</i>	decora	1	A
Weeping fig, laurel	<i>Ficus benamina</i>		1	A
Border forsythia	<i>Forsythia x intermedia</i> <i>Hesperaloe parviflora</i>		1	A
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
Octotillo, Vine cactus	<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
Althea, 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
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

TABLE 1. BROADLEAF SHRUBS - CONTINUED				
Common Name	Scientific Name	Variety	Tolerance	Method
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
Fly honeysuckle	<i>Lonicera xylosteum</i>	Emerald Mound	1	A
Desert fern tree	<i>Lysiloma thornberii</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>Pachystachys 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 fruticosa</i>		1	A
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>	Lodense	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 cattanba, Roseum elegans, Purple elegans, Roseum superbum, English roseum	1	A

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TABLE 1. BROADLEAF SHRUBS - CONTINUED				
Common Name	Scientific Name	Variety	Tolerance	Method
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 Rododendron	<i>Rhododendron x. carolinianum x. R. dauricum sempervirens</i>		2	B
Rhododendron	<i>Rhododendron sp.</i>	Blaauw's pink, Rutherfordiana Constance, White cascade, Prize, Kluis sensation, Sweetheart, Kaempo, Royalty, Hahm red, Red wing, Gumpo white, Salmon Spray, Road runner, Tradition, Gloria, Gumpo pink, Greeting, Pink pearl, Pericat, Tabor, Mother's Day, Snow, Masasoit, Red ruffle, 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 chamaecy parissus</i>		1	A
Jojoba, goat nut	<i>Simmiondsia 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, 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

TABLE 1. BROADLEAF SHRUBS - CONTINUED

Common Name	Scientific Name	Variety	Tolerance	Method
Lilac	<i>Syringa meyeri</i>	Palibin	1	A
Lilac	<i>Syringa villosa</i>		1	A
Australian brush cherry	<i>Syzygium paniculatum</i>		1	A
Cape honeysuckle	<i>Tecomaria capensis</i>		1	A
Cleyera	<i>Ternstroemia 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

Common Name	Scientific Name	Variety	Tolerance	Method
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
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 immortelle	<i>Erythrina fusca</i>		1	A
Desert gum	<i>Eucalyptus rudis</i>		1	A
Gum-barked coolibah	<i>Eucalyptus microtheca</i>		1	A

Common Name	Scientific Name	Variety	Tolerance	Method
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 polyanthemos</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 triancanthos</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 maurelli</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
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

Common Name	Scientific Name	Variety	Tolerance	Method
Variiegated ajuga, Carpet bugleweed	<i>Ajuga reptans</i>		2	B
Bugleweed	<i>Ajuga variegata</i>		2	B
Bearberry, Kinnikinick	<i>Arctostaphylos uva-ursi</i>		1	A
Asparagus fern	<i>Asparagus densiflorus</i>	Myres, Sprenger	1	A
Coromandel	<i>Asystasia gangetica</i>		3	B
Scotch heather	<i>Calluna vulgaris</i>		1	A

TABLE 3 GROUNDCOVERS - CONTINUED

Common Name	Scientific Name	Variety	Tolerance	Method
Ceanothus	<i>Ceanothus griseu</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
Japanese honeysuckle	<i>Lonicera japonica</i>		2	B
Chinese juniper	<i>Juniperus chinensis</i>	Blue vase	1	A
Chinese juniper	<i>Juniperus chinensis procumbens</i>	Variegata	2	B
Japgarden juniper	<i>Juniperus procumbens</i>		1	A
Savin juniper	<i>Juniperus sabina</i>	Arcadia, Prostrata, Tamariscifolia, Scandia Variegated, Broadmoor	2	B
Savin juniper	<i>Juniperus sabina</i>	Scandia, Pepin, 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 montevidensis</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 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 officinallis</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
Periwinkle	<i>Vinca major</i>		1	A
Myrtle, Dwarf periwinkle	<i>Vinca minor</i>		1	A

TABLE 4 HERBACEOUS PLANTS				
Common Name	Scientific Name	Variety	Tolerance	Method
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
Fransher evergreen, Silver Queen evergreen, Ribbon evergreen	<i>Aglaonema commutatum</i>		1	A
Painted drop-tongue	<i>Aglaonema crispum</i>			A
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
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>Herniaria glabra</i>		2	B
Variiegated 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

TABLE 4 HERBACEOUS PLANTS - CONTINUED

Common Name	Scientific Name	Variety	Tolerance	Method
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
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
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

Common Name	Scientific Name	Variety	Tolerance	Method
Concolor fir	<i>Abies concolor</i>		1	A
Fraser fir	<i>Abies fraseri</i>		2	B
Noble fir	<i>Abies procera</i>		1	A

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TABLE 5 NEEDLED EVERGREENS - CONTINUED				
Common Name	Scientific Name	Variety	Tolerance	Method
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, 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
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, 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, Cologreen	1	A
Colorado red cedar, Rocky Mountain juniper	<i>Juniperus scopulorum</i>		3	B
Savin juniper	<i>Juniperus sabina</i>	Pepin, 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, Densata	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
Southern 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

TABLE 5 NEEDLED EVERGREENS - CONTINUED

Common Name	Scientific Name	Variety	Tolerance	Method
Anglojap yew, Dense yew	<i>Taxus x media</i>	Thayerae, Hicksii, Densiformis	1	A
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

TABLE 6 PALMS, CACTUS, SUCCULENTS, GRASSES

Common Name	Scientific Name	Variety	Tolerance	Method
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

LIMITED WARRANTY AND DISCLAIMER. The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

APPENDIX

I. Additional retail container sizes.

- 7.5 fluid ounces
- 15 fluid ounces

II. Advertising claims that may be used by supplemental registrants. These claims may be presented on the retail container label or on the labeling accompanying the product.

- Kills Bermudagrass in flower and shrub beds...without harming most desirable plants.
- Takes bermudagrass out of flowers and shrub beds.
- Spray over-the-top of more than 400 plants, when used as directed in flower beds, shrubs, and around trees.

