

7001-378

8/28/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

AUG 28 2003

Ms. Lisa J. Strong
Regulatory Consultant
J.R. Simplot Company
P.O. Box 198
Lathrop, CA 95330

Dear Ms. Strong:

Subject: Turf Fertilizer with .172% Dimension®
EPA Registration No. 7001-378
Application and Your Letter Dated August 11, 2003,
Request to Amend Registration as Described in Your
Letter

The proposed label amendments as reflected on the labeling submitted with your application and letter dated August 11, 2003 have been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended; provided that you:

1. Either delete the word "selective" or describe the meaning of this descriptor as it applies to the labeling referred to or that follows. This descriptor occurs at least 2 times in the proposed labeling.
2. Correct the chemical expression for dithiopyr to read:
3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester.
Note: There is a space between dimethyl and ester.
3. Correct the name of this product in the added "Note" on page 3; i.e., Turf Fertilizer with .172% Dimension®, **not** Turf Fertilizer with .107% Dimension® as written.
4. Submit one copy of the final printed labeling prior to shipping under the revised labeling.

If these conditions are not complied with, the registration

will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment of this product under the revised labeling constitutes acceptance of these conditions. A stamped copy of the accepted labeling is enclosed for your records.

Sincerely yours,

Joanne I. Miller
Joanne I. Miller

Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

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TURF FERTILIZER WITH .172% DIMENSION*

Turf Fertilizer with .172% Dimension* Is A Selective Herbicide That Provides Control Of Listed Annual Grasses and Broadleaf Weeds In Ornamental Landscape Areas, Established Lawns And Ornamental Turf, Including Golf Course Fairways, Roughs And Tee Boxes. This product also provides postemergent crabgrass control up to the 4-leaf stage.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

In New York State, this product may only be used by Professional Applicators at no more than 288 lbs. per acre (6.60 lbs./1,000 sq. ft.), (0.5 lb. active ingredient per acre) per year and is prohibited from use in Nassau and Suffolk Counties.

ACTIVE INGREDIENT:

Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-
4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethylester

0.172%

OTHER INGREDIENTS:

99.828%

TOTAL: 100.000%

Product protected by U.S. Patent No. 4,692,184. Other patents pending.

EPA Reg. No. 7001-378

EPA Est. No. 7001-MO-1

Read The Entire Label Before Using This Product.

Use Only According To Label Instructions.

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

NET WEIGHT: 50 LBS. or 1,000 LBS. or 2,000 LBS.

Manufactured By:



J.R. SIMPLOT COMPANY

P.O. Box 198
Lathrop, CA 95330

ACCEPTED
with COMMENTS
In EPA Letter Dated

AUG 28 2003

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

7001-378

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KEEP OUT OF REACH OF CHILDREN CAUTION

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 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 by mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

FERTILIZER GUARANTEE — X-X-X

SPREADER SETTINGS Lbs. of product to apply / 1,000 sq. ft.

GENERAL INFORMATION FOR TURF USE

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs including golf course fairways, roughs and tee boxes. This product also provides postemergent crabgrass control up to the 4-leaf stage. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

Turfgrass Safety

This product may be used on seeded, sodded or sprigged lawns and ornamental turfs that are well established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following seeding, sodding or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

bentgrass, creeping*
bluegrass, Kentucky
fescue, fine**
fescue, tall
ryegrass, perennial

Agrostis palustris
Poa pratensis
Festuca rubra
Festuca arundinacea
Lolium perenne

Warm-Season Grasses

bahiagrass
bermudagrass
buffalograss***
carpetgrass
centipedegrass
kikuyugrass
St. Augustinegrass
zoysiagrass

Paspalum notatum
Cynodon dactylon
Buchloe dactyloides
Axonopus affinis
Eremochloa ophiuroides
Pennisetum clandestinum
Stenotaphrum secundatum
Zoysia Japonica

DO NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties.

*Use of this product on certain varieties of creeping bentgrass, such as 'Carmen', 'Cohansey', or 'Seaside' and 'Washington' may result in undesirable turf injury. Not all varieties of creeping bentgrass have been tested.

**Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescues have been tested.

***DO NOT use this product on seedling buffalograss in the spring or the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all turfgrass varieties for tolerance to Turf Fertilizer with .107% Dimension. It is suggested that the user evaluate the responses of turfgrass varieties to this product on a limited area, at recommended use rates, prior to initiating large-scale use.

Reseeding, Overseeding or Sprigging

Reseeding, overseeding, or sprigging of treated areas with this product should be delayed until 12 weeks from the time of application. Reseeding, overseeding or sprigging before 12 weeks after application may prevent establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. If overseeding with perennial ryegrass in the fall, overseed 8 weeks or later after a single application. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed-to-soil contact.

Golf Course Putting Greens

Do not use this product on golf course putting greens.

Other Use Precautions

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf or first tiller.

For best results, cultural practices that disturb the soil such as core-, spike-, or hydro-aerification and verticutting, should be done before application of this product. DO NOT apply this product until grass has recovered from these cultural practices. DO NOT use clippings from treated turf for mulching around vegetables or fruit trees. Keep children and pets out of treated areas until dust has settled.

APPLICATION DIRECTIONS – Control of Crabgrass

Preemergence and Early Postemergence Control

- This product provides "preemergence" control of crabgrass (including the large, smooth and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.
- It can also provide "early postemergence" control of crabgrass. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first see the crabgrass plants in the lawn or turf. The practical benefit of this product's early postemergence activity is that it can give the user a 2-4 week longer period of time to make applications to control crabgrass.

Application Frequency and Timing

- This product may be applied as a single application or as a split application for crabgrass control in the spring, summer or fall.
- DO NOT apply more than 6.60 lb. of this product/1,000 sq. ft. per application, and no more than 19.80 lbs. of this product per 1,000 sq. ft. per year. In New York State, this product may only be used by Professional Applicators at no more than 288 lbs. per acre (6.60 lbs./1,000 sq. ft.), (0.5 lb. active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

Spring Applications

- For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the control programs listed in Table 1 below, depending on the user's location, the turfgrass mowing height, and whether the use is preemergence or early postemergence at the time of application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.
- Use Program 1 for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.
- Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g. golf fairways), and (b) turfgrass maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control at sites where turfgrass is cut high (e.g., homeowner lawns).
- Use Program 3 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control at sites where turfgrass is cut low (e.g., golf fairways).
- Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.
- Where split fertilizer applications are recommended, the rates in Table 1 may be applied in two applications made 6-10 weeks apart and prior to crabgrass emergence.

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Table 1: Application Use Rates*
(Lbs. of This Product/1,000 Sq. Ft.)

Program	1	2	3
Use	Preemergence and Postemergence on Crabgrass	Preemergence and Postemergence on Crabgrass	Preemergence and Postemergence on Crabgrass
Region			
North	1.67 lbs./1,000 sq. ft.	2.51 lbs./1,000 sq. ft.	3.35 lbs./1,000 sq. ft.
Transition	2.51 lbs./1,000 sq. ft.	3.35 lbs./1,000 sq. ft.	5.02 lbs./1,000 sq. ft.
South	3.35 lbs./1,000 sq. ft.	5.02 lbs./1,000 sq. ft.	6.60 lbs./1,000 sq. ft.
Coastal South	5.02 lbs./1,000 sq. ft.	6.60 lbs./1,000 sq. ft.	6.60 lbs./1,000 sq. ft.

*DO NOT apply more the 6.60 lbs. of this product/1,000 sq. ft. per application, and no more that 19.80 lb. of this product/1,000 sq. ft., per year. In New York State, this product may only be used by Professional Applicators at no more than 288 lbs. per acre (6.60 lbs./1,000 sq. ft.), (0.5 lbs. active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties. Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below.

- North: All other areas.
- Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH & coastal areas of CT, NY, & RI.
- South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, & TX.
- Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

Fall Applications

- Use as directed in the fall at the Program 3 use rates listed in Table 1 to control winter weed species and for crabgrass control through the early part of next spring.
- The fall application may be followed by an appropriate spring application to provide season-long control.

Tips for Improved Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.
- Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

Control of other Grass and Broadleaf Weeds

Spring Applications

Used as directed for crabgrass control in the spring, this product will also control (at the Program 3 rates) or suppress (at the Program 2 rates) the following weeds when applied prior to their emergence:

- | | |
|--------------------------------|--------------------------------------|
| barnyardgrass | oxalis (buttercup, creeping & yellow |
| bluegrass (annual, roughstalk) | woodsorrel) |
| crowfootgrass | purslane (common) |
| foxtail (green & yellow)* | ryegrass (annual & perennial) |
| goosegrass | smutgrass |
| kikuyugrass | speedwell (com) |
| lespedeza (common) | spurge (prostrate & spotted) |

*Also controlled at the Program 2 rates.

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Fall Applications

Use as directed for late summer or early fall use, for crabgrass control through the early part of next spring, this product will also control (at the Program 3 rates) or suppress (at the Program 2 rates) the following weeds when applied prior to their emergence:

bluegrass (annual, roughstalk)
bittercress
chickweed
henbit

geranium (Carolina)
parsley-piert
pineappleweed
shepherd's purse

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

GENERAL INFORMATION – LANDSCAPE ORNAMENTALS

Turf Fertilizer with .172% Dimension provides preemergence control of listed annual grass and broadleaf weeds in landscape ornamentals. It may be applied to soil surfaces or mulch where ornamental plants are grown for aesthetic purposes in ornamental gardens, parks, golf courses and residential properties.

Ornamental plants on this label have shown tolerance to Turf Fertilizer with .172% Dimension when applied as directed. It is impossible, however, to evaluate tolerance for all ornamental plant species or varieties or under all possible growing conditions. Under your growing conditions, a limited area involving only a few plants should be treated for tolerance evaluation prior to large-scale applications.

USE RATES

Apply Turf Fertilizer with .172% Dimension with a properly calibrated spreader that will assure accurate, even particle distribution. This product may be applied as a single application or as split application. Refer to the following table for product rates when treating a small area.

DO NOT apply more than 6.60 lbs. of this product/1,000 sq. ft. per application, and no more than 19.80 lbs. of this product per 1,000 sq. ft. per year.

In New York State, this product may only be used by Professional Applicators at no more than 6.60 lbs./1,000 sq. ft. (0.5 lbs. active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

Pounds Product/Acre	Pounds Product/1,000 Square Feet	Ounces Product/100 Square Feet
288	6.60	10.56

APPLICATION TIMING

Turf Fertilizer with .172% Dimension is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination or mulch or to bare ground. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by hand weeding, cultivation or with a postemergence herbicide. Once an application of this product has been made, do not disturb the soil surface as the herbicide barrier will be broken.

PRECAUTIONS

- Only apply this product to established ornamentals.
- DO NOT apply this product directly to bare root of ornamental plants as injury may result.
- DO NOT incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- DO NOT apply to soil around ornamental plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or disease.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.
- DO NOT apply under conditions that would affect product distribution. Wind could affect distribution and move product onto sensitive species. Uneven product distribution will result in uneven weed control.

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- DO NOT apply this product on grasses grown for seed.
- DO NOT graze livestock or feed forage cut from areas treated with this product.

TOLERANT ORNAMENTALS

When applied as directed under the conditions described on this label, the ornamentals listed below have shown tolerance in field trials. However, this product has not been tested on all cultivars of each species or under all possible growing conditions. Follow directions given above to determine plant tolerance under your growing conditions prior to large-scale use.

Common Name	Botanical Name	Tolerant Cultivars
Abelia, Dwarf Ajuga	<i>Abelia X grandiflora</i> <i>Ajuga reptans</i>	Nana Bronze Bronze Beauty
Almond, flowering Apple* Arborvitae	<i>Ajuga genevensis</i> <i>Prunus glandulosa</i> <i>Malus pumila</i> <i>Thuja occidentalis</i>	Nigra Pyramidalis Smaragh Techny Woodwardii
Arborvitae, Golden Aster, Chinese Ash, Green Ash, Mountain Ash, Purple Azalea	<i>Thuja orientalis</i> <i>Callistephus chinensis</i> <i>Fraxinus pennsylvanica</i> <i>Sorbus aucuparia</i> <i>Fraxinus Americana</i> <i>Rhododendron spp.</i>	Dwarf Queen Brilliant Buccaneer Carror Chimes (Belgian) Elsie Lee Exbury Fashion Hardijzer Beauty Hershey Red Higasa Hinocrimson Holland (Hybrid) Marion Lee Northern Lights Orange Cup Orchid Lights Snow Southern Charm
Azalea, Flame	<i>Rhododendron calendulaceum</i>	
Azalea, Kirishima Bamboo, Heavenly Barberry	<i>Nandina domestica</i> <i>Berberis thunbergii</i>	Aurea Dwarf Pygmy Green Kobold Pygmy Red Rose Glow Atropurpurea
Barberry, Purple Basket Flower Bearberry (common) Bee Balm Begonia Birch, River Blackeyed Susan Blanket Flower Blueberry*	<i>Berberis vulgaris</i> <i>Gaillardia grandiflora</i> <i>Arctostaphylos uva-ursti</i> <i>Monarda didyma</i> <i>Begonia spp.</i> <i>Betula nigra</i> <i>Rudbeckia hirta</i> <i>Gaillardia spp.</i> <i>Vaccinium spp.</i>	Massachusetts Goldsturm Bluecrop Blue Jay

Bottlebrush
Boxwood, Japanese
Boxwood, Weller
Broom
Broom
Bugle Carpet
Camellia

Candy Tuft
Carex, Variegated
Cedar, Red
Celosia
Centaura
Cockscomb, Plumosa
Coleus
Columbine
Copper leaf
Coreopsis
Cornflower
Cotoneaster
Coyotebrush
Cycads
Cypress, Bald
Cypress, Italian
Cypress, Japanese False
Cypress, Leyland
Daffodil
Daylilly

Delphinium
Dianthus (Sweet William)
Dogwood
Dogwood, American
Douglas Fir
Dusty Miller
Elm, Drake
Euonymus

Fan Palm, European
Fan Palm, Mexican
Fern (various)
Fescue
Fetterbush
Ficus
Fir, Fraser
Forsythia

Callistemon citrinus
Buxus microphylla
Buxus sempervirens
Cytisus spp.
Genista pilosa

Camellia japonica

Camellia sasangua
Iberis spp.
Carex
Juniperus virginiana
Celosia spp.
Centaurea montana
Celosia cristata
Coleus blumei
Agullegia spp.
Acalypha wilkesiana
Coreopsis spp.
Centaurea spp.
Cotoneaster apiculatus
Baccharis pelularis
Cycads revoluta
Taxodium distichum
Cupressus sempervirens
Chamaecyparis obtusa
Cupressocyparis leylandii
Narcissus spp.
Hemerocallis spp.

Delphinium spp.
Dianthus spp.
Cornus florida
Cornus sericea
Pseudotsuga menziesii
Senecio cineraria
Ulmus parvifolia
Euonymus fortunei

Chamaerops humilis
Washingtonia robusta
Asparagus spp.
Festuca glauca
Leucothoe fontiana
Ficus retusa
Abies fraseri
Forsythia X intermedia

Spring Glory

Jersey
North Blue
Northland

Japonica

Moonlight
Vancouver Gold

Debutante
Mathotiana Supreme
Chansonette

Snow White

Scarlet Plumosa
Red Kewpie

Moonbloom

Glauca
Gracilis

King Alfred
Aztec Gold
Bright Yellow (Hybrid)
Single Gold (Evergreen)
Wilson's Yellow
Magic Fountain

Flavarimaea

Argenteo-variegata
Auereo-marginata
Colorata
Emerald Gaiety
Emerald 'N Gold
Gold Edge
Gold Princess
Silver King
Tricolor
Vegetus

Rainbow
Nitidia

Arnold Dwarf
Bronxensis Dwarf
Lynwood Gold
Meadowlark
Weeping

Fuchsia	<i>Fuchsia spp.</i>	Mystery
Galium	<i>Galium odoratum</i>	Radicans
Gardenia	<i>Gardenia jasminoides</i>	
Geranium	<i>Pelargonium X hortorum</i>	Cockspur White
Gum	<i>Eucalyptus citriodora</i>	Crimson Cloud
Hawthorn	<i>Crataegus spp.</i>	Enchantress
		Jack Evans
		Washington White
		Mediterranean Pink
Heather, Twisted	<i>Erica cinerea</i>	
Hemlock, Canada	<i>Tsuga canadensis</i>	
Hibiscus	<i>Hibiscus spp.</i>	
Holly	<i>Ilex spp.</i>	Blue Bird
	<i>Ilex X meserveae</i>	Brilliant
		Hula Girl
		Blue Boy
		Blue Girl
		Burfodii
		China Girl
		Compacta
		Forsteri
		Hellerie
		Japanese Northern Beauty
		Needlepoint
		Nellie R. Stevens
		Savanah
Holly, Chinese	<i>Ilex X attenuata</i>	
Holly, Japanese	<i>Ilex cornuta</i>	Clavey's Dwarf
Holly, Yaupon	<i>Ilex crenata</i>	Hilliana
Honeysuckle	<i>Ilex vomitoria</i>	Tatarian Canadian White
	<i>Lonicera japonica</i>	Zebelli Red Hosta
		Albo Marginata
Hosta	<i>Hosta spp.</i>	
	<i>Hosta lancifolia</i>	
Ice Plant	<i>Carpobrotus edulis</i>	
Impatiens	<i>Impatiens spp.</i>	
Iris	<i>Iris spp.</i>	Wedgewood
		Dwarf Blue
Ivy, English	<i>Hedera helix</i>	Bulgaria
		Thorndale
Jasmine, Asian	<i>Trachelopermum asiaticum</i>	
Juniper	<i>Juniperus spp.</i>	Arcadia
		Armstrong
		Bar Harbor
		Blue Chip
		Blue Pacific
		Blue Rug
		Blue Star
		Broadmoor
		Buffalo
		Calgary Carpet
		Emerald Sea
		Emerald Spreader
		Endora Compacta
		Fruitlandi
		Green
		Gold Tip
		Hetzi
		Hughes
		Manhattan Blue
		Parsoni
		Pfitzeriana
		Plumosa
	<i>Juniperus horizontalis</i>	

		Prince of Wales Procumbens Dwarf San Jose Sargent Blue Sargent Green Scandia Scopulorum Moonglow Scopulorum Skyrocket Spartan Tamariscifolia Weberi Youngstown Yukon Belle
King Palm Laurel, Australian Laurel, Mountain Leucothoe Ligustrum, Japanese Lily, Afriean	<i>Juniperus chinensis</i> <i>Juniperus sabina</i>	
Lily, Afriean Blue Lily of the Valley Lilyturf	<i>Archontophoenix cunninghamiana</i> <i>Pittosporum tobira</i> <i>Kalmia latifolia</i> <i>Leucothoe fontanesiana</i> <i>Ligustrum japonicum</i> <i>Agapanthus africanus</i>	Albus Peter Pan
Liriope, Green Maple, Japanese Maple, Norway Maple, Red Maple, Silver Maple, Sugar Marigold	<i>Pieris japonica</i> <i>Liriope muscari</i>	Mt. Fire Evergreen Giant Lilac Beauty Majestic Monroe White Variegata
Mock Orange*	<i>Liriope spicata</i> <i>Acer japonicum</i> <i>Acer platanoides</i> <i>Acer rubrum</i> <i>Acer saccharinum</i> <i>Acer saccharum</i> <i>Tagetes patula</i>	Honeycomb Wheeler's Dwarf Variegata Golden Snowflake Double White
Mondo Grass Moss Rose Myrtle, Crape	<i>Philadelphus spp.</i>	Sunnyside Faurei Langer Muskogee Standard Pink
Myrtle, Wax Nadina	<i>Ophiopogon japonicus</i> <i>Portulaca grandiflora</i> <i>Lagerstoemia indica</i>	Compacta Nana
Narcissus Oak, Laurel Oak, Pin Oak, Red Oak, Southern Oak, Willow Oleander	<i>Myrica cerifer</i> <i>Nadina domestica</i>	Hardy Red Petite Pink Sister Agnes Wirligig
Osteospermum Pachysandra Palm, Bangalow Pampas Grass Pansy Paper Flower Peach* Periwinkle, Dwarf Petunia	<i>Narcissus spp.</i> <i>Quercus laurifolia</i> <i>Quercus palustris</i> <i>Quercus rubra</i> <i>Quercus virginiana</i> <i>Quercus phellos</i> <i>Nerium oleander</i>	Barbara Karst
	<i>Osteospermum fruiticosum</i> <i>Pachysandra terminalis</i>	Picoti
	<i>Cortadaria seloana</i> <i>Viola x wittrockiana</i> <i>Bougainvillea glabra</i> <i>Prunus persica</i> <i>Vinca minor</i> <i>Petunia X hybrida</i>	

Tulip Verbena, Shrub Vervain Viburnum	<i>Tulipa, spp.</i> <i>Lantana sellowiana</i> <i>Verbena spp.</i> <i>Viburnum spp.</i>	Apeldoorn St. Paul American Cranberry Bush Arrowood Common Snowball European Cranberry Bush Linden Mohican Wright
Vinca (Periwinkle) Windmill Palm Xylosma Yarrow Yaupon Yew	<i>Vinca minor</i> <i>Trachycarpus fortunei</i> <i>Xylosma congestum</i> <i>Achillea spp.</i> <i>Ilex vomitoria</i> <i>Taxus cuspidata</i> <i>Taxus X media</i>	Dwarf Denisformis

*Ornamental species only: DO NOT USE ON FOOD PRODUCING TREES AND ORNAMENTALS.

WEEDS CONTROLLED

Used as directed, Turf Fertilizer with .172% Dimension will control or suppress the following annual grass and broadleaf weeds when applied prior to their emergence. This product will not control established grasses (except for crabgrass in early stages of development) and established broadleaf weeds; therefore, the area to be treated should be free of weeds prior to application.

GRASSES

- | | |
|--|---|
| barley
<i>Hordeum spp.</i> | dallisgrass (seedling)
<i>Paspalum dilatatum</i> |
| barnyard grass
<i>Enchinochloa crus-galli</i> | goosegrass
<i>Eleusine indica</i> |
| bluegrass, annual
<i>Poa annua</i> | foxtail, green
<i>Setaria verdi</i> |
| brome
<i>Bromus spp.</i> | foxtail, yellow
<i>Setaria faberi</i> |
| crabgrass, large
<i>Digitaria sanguinalis</i> | kikuyugrass
<i>Pennisetum clandestinum</i> |
| crabgrass smooth
<i>Digitaria ischaemum</i> | oats, wild
<i>Avena fatua</i> |
| crabgrass, Southern
<i>Digitaria ciliaris</i> | ryegrass (annual & perennial)
<i>Lolium spp.</i> |
| crowfootgrass
<i>Dactyloctenium aegyptium</i> | smutgrass
<i>Sporobolus indicus</i> |

BROADLEAF WEEDS

- | | |
|--|--|
| bittercress
<i>Cardamine spp.</i> | <i>Brassica spp.</i> |
| carpetweed
<i>Mollugo verticillata</i> | oxalis, buttercup
<i>Oxalis pes-caprae</i> |
| chickweed
<i>Stellaria spp.</i> | pineappleweed
<i>Matricaria matricarioides</i> |
| geranium, Carolina
<i>Geranium carolinianum</i> | pigweed, redroot
<i>Amaranthus retroflexus</i> |
| henbit
<i>Lamium spp.</i> | parsley-piert
<i>Alchemilla arvensis</i> |
| knotweed, prostrate
<i>Polygonum aviculare</i> | purslane, common
<i>Portulaca oleracea</i> |
| lespedeza, common
<i>Lespedeza striata</i> | rocket, London
<i>Sisymbrium irio</i> |
| marestail
<i>Conyza canadensis</i> | shepherd's purse
<i>Capsella bursa-pastoris</i> |
| medic, black
<i>Medicago lupulina</i> | speedwell, corn
<i>Veronica arvensis</i> |
| mustard | |

spurge, garden
Euphorbia hirta
spurge, prostrate
Euphorbia humistrata
spurge, spotted

Euphorbia maculata
woodsorrel, creeping
Oxalis corniculata
woodsorrel, yellow
Oxalis stricta

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the area to be treated. A more uniform application can be made by spreading half the required amount over the area and applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application.

Check equipment frequently to ensure equipment is functioning properly and delivering uniform distribution of granules.

STORAGE AND DISPOSAL

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

STORAGE: Store this product only in its original container in a dry, cool, secured storage area.

SPILL: In case of spill, sweep up product and dispose of material according to "product disposal" directions listed below.

PRODUCT DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

EMPTY CONTAINER DISPOSAL: 50 LB. BAGS – Do not reuse bag. Completely empty bag into application equipment. Dispose of empty bag(s) in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. BULK CONTAINERS (Woven polyethylene - 1,000 and 2,000 lbs.) – Empty thoroughly and return to specified destination for cleaning and reuse.

CONDITIONS OF SALE AND WARRANTY

J.R. Simplot Company warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. J.R. SIMPLOT COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of J.R. Simplot Company and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. In no case will J.R. Simplot Company or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage or use of this product.

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