

7001-380

08/05/2003

Jacket
1/14



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

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

AUG 5 2003

Dear Ms. Strong:

Subject: Turf Fertilizer with 0.143% Dimension®
EPA Registration No. 7001-380 ✓
Application and Your Letter Dated July 16, 2003,
Request to Amend Registration as Described in Your
Letter

The subject amendments have been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended; provided that you:

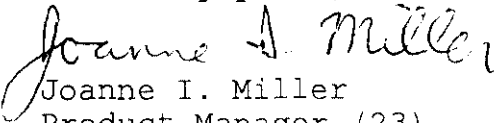
1. Either delete the word "selective" or describe the meaning of this descriptor as it applies to the labeling that follows.
2. Revise the 3rd statement in the "General Information for Turf Use" section to read: "This product will not harm nearby established ornamentals when used according to directions on this label".
3. On page 4 of the proposed labeling revise the header for "Table 1 to read: "Table 1; Application Use Rates For Crabgrass Control*". Add the asterisk (*), to the text at the end of the Table, i.e. "*DO NOT apply.....".
4. Submit one copy of the final printed labeling prior to shipping under the revised labeling.

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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.

Sincerely yours,



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

Enclosure

3/14

Turf Fertilizer with 0.143% Dimension*

Turf Fertilizer With 0.143% Dimension* Is A Selective Herbicide That Provides Preemergence Control Of Listed Annual Grasses, Such As Crabgrass, Broadleaf Weeds In Ornamental Landscape Areas, Established Lawns and Ornamental Turf, Including Golf Course Fairways, Roughs and Tee Boxes. This product also provides postemergence 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 landscapes, 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 349 pounds (0.5 pounds 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 0.143%

OTHER INGREDIENTS: 99.857%

TOTAL: 100.000%

*This product contains 0.0715 pounds of the active ingredient, dithiopyr, per 50 pound bag. Product protected by U.S. Patent No. 4,692,184. Other patents pending.

EPA Reg. No. 7001-380

EPA Est. No. 7001-M0-1

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.

ACCEPTED NET WEIGHT: 50 LBS. or 1,000 LBS. or 2,000 LBS.
with COMMENTS
In EPA Letter Dated
AUG 5 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
7001-380

Manufactured By:
J.R. SIMPLOT COMPANY
P.O. Box 198
Lathrop, CA 95330

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 will also provide postemergence crabgrass control up to the 4-leaf stage. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

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 stolonifera
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

*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.

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

**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.

Reseeding, Overseeding or Sprigging

Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may prevent the establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. 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 if applied before crabgrass has displayed its fifth leaf or first tiller.

For best results, use of 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.

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 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 8 lb. of this product/1,000 sq. ft. per year. DO NOT apply in Nassau and Suffolk Counties of New York.

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.
- Use Program 1 (given in Table 1, below) for the 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 of crabgrass.
- Where split fertilizer applications are recommended, a rate in Table 1 may be applied in two applications made 6-10 weeks apart and prior to crabgrass emergence.

**Table1: Application Use Rates For Crabgrass*
(Lb. of Product/1,000 Sq. Ft.)**

| Program | 1 | 2 |
|------------------------|------------------------|--|
| Use (turfgrass cut) | Preemergence (high) | Preemergence (low) Postemergence |
| Region | | |
| North | 2.0 | 4.0 |
| Transition | 2.91 | 5.83 |
| South | 4.0 | 8.0 |
| Coastal South | 5.83 | 8.0** |

DO NOT apply more the 8.0 lb. of this product/1,000 sq. ft. per application, and no more that 24 lb. (8.0 lb. in New York) of this product/1,000 sq. ft. per year. 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, southern 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.

**May require split or sequential applications for full control.

Fall Applications

- This product can also be applied in the late summer or early fall (late August through November) at the "Program 2" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring.
- The fall application must 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) application spaced 6-8 weeks apart may provide improved weed control.

Control of other Grass and Broadleaf Weeds

Spring Applications

Use as directed for crabgrass control in the spring (Table1), this product will also control or suppress the following weeds when applied prior to their emergence:

barnyardgrass
bluegrass (annual, roughstalk)
crowfootgrass
foxtail (green & yellow)*
goosegrass
kikuyugrass
ryegrass (annual & perennial)

Lespedeza (common)
oxalis (buttercup, creeping & yellow
woodsorrel)
purslane (common)
speedwell (com)
spurge (prostrate & spotted)
smutgrass

*Also controlled at the Program 2 rates.

Fall Applications

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 centrifugal spreaders designed to apply granular herbicides. Calibrate application equipment before using and apply this product uniformly over the turfgrass area. *A more uniform application can be made by spreading one-half of the required amount over the area and then applying the remaining one-half at a right angle to the previous, *(see spreader settings for half-rate). Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and delivering uniform distribution of granules.

GENERAL INFORMATION – LANDSCAPE ORNAMENTALS

This product provides preemergence control of listed annual grass and broadleaf weeds in landscape ornamentals. It may be applied to soil surfaces 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 this product 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 this product 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 recommendations when treating a small area.

DO NOT apply more than 8 lb. of this product/1,000 sq. ft. per application, and no more than 24 lb. (8.0 lb. In New York) of this product/1,000 sq. ft. per year. DO NOT apply in Nassau and Suffolk counties of New York.

| Pounds Product/Acre | Pounds Product/1,000 Square Feet | Pounds Product/100 Square Feet |
|---------------------|----------------------------------|--------------------------------|
| 349 | 8.0 | 0.8 |

APPLICATION TIMING AND RECOMMENDATIONS

This product is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination 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.
- 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 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 Almond, flowering Apple* Arborvitae | <i>Abelia X grandiflora</i> <i>Ajuga reptans</i> <i>Ajuga genevensis</i> <i>Prunus Gladulosa</i> <i>Malus pumila</i> <i>Thuja occidentalis</i> | Nana Bronze Bronze Beauty 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>Rhodendron spp.</i> | Dwarf Queen Brilliant Buccaneer Carror Chimes (Belgian) 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 |

Barberry, Purple
 Bearberry (common)
 Birch, River
 Blueberry*

Bottlebrush
 Boxwood, Japanese
 Boxwood, Weller
 Broom
 Broom
 Bugleweed Carpet
 Carex, Variegated
 Camellia

Cedar, Red
 Cockscomb, Plumosa
 Coleus
 Copper leaf
 Cotoneaster
 Cycads
 Coyotebrush
 Cypress, Bald
 Cypress, Italian
 Cypress, Leyland
 Cypress, Japanese False
 Daffodil
 Daylilly

Dogwood
 Dogwood, American
 Douglas Fir
 Dusty Miller
 Elm, Drake
 Euonymus

Fan Palm, European
 Fan Palm, Mexican
 Fescue
 Fetterbush
 Ficus
 Fir, Fraser
 Forsythia

Gardenia

Berberis vulgaris
Arctostaphylos uva-ursti
Betula nigra
Vaccinium spp.

Callistemon citrinus
Buxus microphylla
Buxus sempervirens
Cytisus spp.
Genista pilosa
Ajuga reptans
Carex
Camellia japonica

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

Cornus florida
Cornus sericea
Pseudotsuga menziesii
Senecio cineraria
Ulmus parvifolia
Euonymus fortunei

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

Spring Glory
Gardenia jasminoides

Pygmy Red
 Rose Glow
 Atropurpurea
 Massachusetts

Bluecrop
 Blue Jay
 Jersey
 North Blue
 Northland

Japonica

Moonlight
 Vancouver Gold

Debutante
 Mathotiana Supreme
 Chansonette

Red Kewpie

Glauca

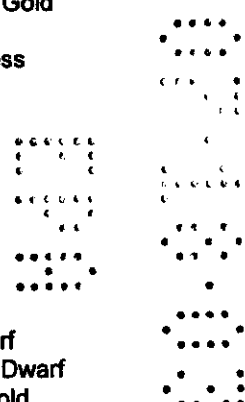
Gracilis
 King Alfred
 Aztec Gold
 Bright Yellow (Hybrid)
 Single Gold (Evergreen)
 Wilson's Yellow

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
 Mystery Radicans



| | | |
|---|--|--|
| Geranium Gum Hawthorn | <i>Pelargonium X hortorum</i> <i>Eucalyptus citriodora</i> <i>Crataegus spp.</i> | Cockspur White Crimson Cloud Enchantress Jack Evans Washington White Mediterranean Pink Brilliant Hula Girl Blue Bird |
| Heather, Twisted Hibiscus | <i>Erica cinerea</i> <i>Hibiscus spp.</i> | Blue Boy Blue Girl Burfodii China Girl Compacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savanah |
| Hemlock, Canada Holly | <i>Tsuga canadensis</i> <i>Ilex spp.</i> <i>Ilex X meserveae</i> | |
| Holly, Chinese Holly, Japanese Holly, Yaupon Honeysuckle | <i>Ilex X attenuata</i> <i>Ilex cornuta</i> <i>Ilex crenata</i> <i>Ilex vomitoria</i> <i>Lonicera japonica</i> | Clavey's Dwarf Hilliana Tatarian Canadian White Zebelli Red Hosta Albo Marginata |
| Hosta | <i>Hosta spp.</i> <i>Hosta lancifolia</i> | |
| Ice Plant Impatiens Iris | <i>Carpobrotus edulis</i> <i>Impatiens wallerana</i> <i>Iris spp.</i> | Wedgewood Dwarf Blue Bulgaria Thomdale |
| Ivy, English | <i>Hedera helix</i> | |
| Jasmine, Asian Juniper | <i>Trachelopermum asiaticum</i> <i>Juniperus spp.</i> <i>Juniperus horizontalis</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 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, Africian | <i>Juniperus chinensis</i> <i>Juniperus sabina</i> | |
| Lily, Africian 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 Hardy Red Petite Pink Sister Agnes |
| Oleander | <i>Myrica cerifer</i> <i>Nadina domestica</i> | |
| Oak, Laurel Oak, Pin Oak, Red Oak, Southern L Oak, Willow Osteospermum Palm, Bangalow Pampas Grass Paper Flower Pachysandra Peach* Periwinkle, Dwarf Petunia Photinia, Red Tip Pieris Pine, Australian | <i>Nerium oleander</i> | Wirligig Barbara Karst. Picoti |
| | <i>Quercus laurifolia</i> <i>Quercus palustris</i> <i>Quercus rubra</i> <i>Quercus virginiana</i> <i>Quercus phellos</i> <i>Osteospermum fruiticosum</i> | |
| | <i>Cortadaria seloana</i> <i>Bougainvillea glabra</i> <i>Paclysandra terminalis</i> <i>Prunus persica</i> <i>Vinca minor</i> <i>Petunia X hybrida</i> <i>Photinia X fraseri</i> <i>Peiris japonica</i> <i>Pinus nigra</i> | |

| | | |
|-------------------------|-----------------------------------|-------------------------|
| Pine, Japanese Black | <i>Pinus thunbergiana</i> | |
| Pine, Loblolly | <i>Pinus taeda</i> | |
| Pine, Longleaf | <i>Pinus palustris</i> | |
| Pine, Mugho | <i>Pinus mugho</i> | |
| Pine, Scotch | <i>Pinus sylvestris</i> | |
| Pine, Slash | <i>Pinus elliottii</i> | |
| Pine, Swiss Mt. | <i>Pinus mugo</i> | |
| Pine, Virginia | <i>Pinus virginiana</i> | |
| Pine, White | <i>Pinus strobus</i> | |
| Pineapple, Guava | <i>Feijoa fellowaiana</i> | |
| Pittosporum, Japan | | |
| Potentilla | <i>Potentilla fruticosa</i> | Abbotswood |
| Privet | <i>Ligustrum japonicum</i> | Golden Vicary |
| | | Regal |
| | | Texanum |
| | | Yellow Tipped |
| | | Wax |
| Privet, Glossy | <i>Ligustrum lucidum</i> | Gnome |
| Pyracantha | <i>Pyracantha koidzumii</i> | Lalandei |
| | | Victory |
| Queen Palm | <i>Arecastrum rammanzoffianum</i> | |
| Quince, Japanese* | | |
| Rhododendron | <i>Rhododendron spp.</i> | Album |
| | | Cunningham White |
| | | Fashion |
| | | Hardy |
| | | PJM |
| | | Purple Gem |
| | | Silvery Pink |
| Rhododendron, Carolina | <i>Rhododendron carolinianum</i> | |
| Rhododendron, Catawba | <i>Rhododendron catawbiense</i> | |
| Rodie Max (Rosebay) | <i>Rhododendron maximum</i> | |
| Rose | <i>Rosa banksiaae</i> | Luta |
| Rosemary* | <i>Rosmarinus officinalis</i> | |
| Rosemary, Bog | <i>Andromeda polifolia</i> | Nana |
| Salvia | <i>Salvia farinacea</i> | Rhea |
| Sedum | <i>Sedum spurium</i> | Dragon Blood Red |
| | | Red Carpet |
| | | Yellow |
| | | Fanall |
| Spiraea, Perennial | <i>Astilbe X arendsii</i> | Anthony Waterer Red |
| Spiraea | <i>Spiraea spp.</i> | Dolchica |
| | | Froebeli Pink |
| | | Goldenflame Red |
| | | Snowmound White |
| | | Van Houtte White |
| Spiraea, Garland | <i>Spiraea spp.</i> | |
| Spruce, Black Hills | <i>Picea glauca</i> | |
| Spruce, Colorado Blue | <i>Picea pungens</i> | |
| Spruce, Norway | <i>Picea abies</i> | |
| Spruce, White | <i>Picea glauca</i> | |
| Sourwood | <i>Oxydendrum arboreum</i> | Conica |
| Sweetflag, Grassyy-Le | | |
| Sweetgum | <i>Liquidambar styraciflua</i> | |
| Sycamore | <i>Plantanus occidentalis</i> | |
| Tree Fern (Tiki Fern) | <i>Asparagus virgatus</i> | |
| Trumpet Flower, Evening | <i>Gelsemium sempervirens</i> | |
| Tulip | <i>Tulipa, spp.</i> | Apeldoorn |
| Verbana, Shrub | <i>Lantana sellowiana</i> | |
| Vervain | <i>Verbena spp.</i> | St. Paul |
| Viburnum | <i>Viburnum spp.</i> | American Cranberry Bush |
| | | Arrowood |

| | | |
|---|---|---|
| Windmill Palm Xylosma Yaupon Yew | <i>Trachycarpus fortunei</i> <i>Xylosma congestum</i> <i>Ilex vomitoria</i> <i>Taxus cuspidata</i> <i>Taxus X media</i> | Common Snowball European Cranberry Bush Linden Mohican Wright Dwarf Denisformis |
|---|---|---|

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

WEEDS CONTROLLED

Used as directed, this product 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 broadleaf weeds, therefore, the area to be treated should be free of weeds prior to application.

GRASSES

| | |
|--|--|
| barley <i>Hordeum spp.</i> | crabgrass, large <i>Digitaria sanguinalis</i> |
| barnyard grass <i>Enchinochloa crus-galli</i> | crabgrass smooth <i>Digitaria ischaemum</i> |
| bluegrass, annual <i>Poa annua</i> | crabgrass, Southern <i>Digitaria ciliaris</i> |
| brome <i>Bromus spp.</i> | crowfootgrass <i>Dactyloctenium aegyptium</i> |

BROAD LEAF WEEDS

| | |
|---|---|
| bittercress <i>Cardamine spp.</i> | Kikuyugrass <i>Pennisetum clandestinum</i> |
| carpetweed <i>Mollugo verticillata</i> | oats, wild <i>Avena fatua</i> |
| chickweed <i>Stellaria spp.</i> | ryegrass (annual & perennial) <i>Lolium spp.</i> |
| geranium, Carolina <i>Geranium carolinianum</i> | smutgrass <i>Sporobolus poireti</i> |
| henbit <i>Lamium spp.</i> | pineappleweed <i>Matricaria matricarioides</i> |
| knotweed, prostrate <i>Polygonum saviculare</i> | pigweed, redroot <i>Amaranthus retroflexus</i> |
| lespedeza, common <i>Lespedeza striata</i> | parsley-piert <i>Alchemilla arvensis</i> |
| <i>Dactyloctenium aegyptium</i> | purslane, common <i>Portulaca oleracea</i> |
| marestail <i>Hippuris vulgaris</i> | rocket, London <i>Sisymbrium irio</i> |
| medic, black <i>Medicago lupulina</i> | shepherd's purse <i>Capsella bursa-pastoris</i> |
| mustard <i>Brassica spp.</i> | speedwell, corn <i>Veronica arvensis</i> |
| oxalis, buttercup <i>Oxalis pes-caprae</i> | spurge, garden <i>Euphorbia hirta</i> |
| dallisgrass (seedling) <i>Paspalum dilatatum</i> | spurge, prostrate <i>Euphorbia humistrata</i> |
| goosegras <i>Eleusine indica</i> | spurge, spotted <i>Euphorbia maculata</i> |
| foxtail, green <i>Setaria Verdi</i> | woodsorrel, creeping <i>Oxalis corniculata</i> |
| foxtail, yellow <i>Setaria faberi</i> | woodsorrel, yellow <i>Oxalis stricta</i> |

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. Spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction can make a more uniform application. 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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