

228-632

8/25/2009

10914



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Lizbeth Rea
Product Registration
Nufarm Americas, Inc.,
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

AUG 25 2009

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Primary Brand Name "Nufarm Double O™ Pro Herbicide," Warranty
and First Aid/Precautionary Statement and General Label Changes
EPA Reg. No. 228-632
Application Dated July 15, 2009

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 07/15/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

20914



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 228-632	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Double O E-Pro Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Ste. 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: NOTIFICATION EPA Reg. No. _____ Product Name AUG 25 2009	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of a primary brand name change (Nufarm Double O(TM) Pro Herbicide) per PRN 98-10. This notification is consistent with the provisions of PRN 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PRN 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container
50 lbs

5. Location of Label Directions
 On Label On Labeling accompanying product

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Lizbeth Rea	Title Regulatory Manager	Telephone No. (Include Area Code) 919/655-0701
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Certification
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature 	3. Title Regulatory Manager	6. Date Application Received (Stamped)
4. Typed Name Lizbeth Rea	5. Date 7/15/2009	



30 of 14

Nufarm Americas, Inc.
Lizbeth Rea
Regulatory Manager
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 919.655.0701 Fax: 919.342.5176
liz.rea@us.nufarm.com

July 15, 2009

Via Overnight Courier

Linda Arrington
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

Subject: Double O™ E-Pro Herbicide
EPA Reg. No. 228-632
Primary Brand Name & Minor Label Changes via PR Notice 98-10

Dear Ms. Arrington:

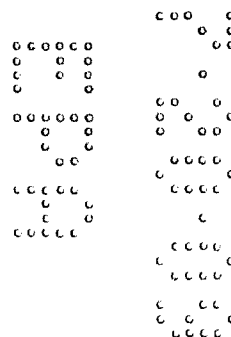
The following documents are attached in support of the primary brand name and minor label changes being made via notification under PR Notice 98-10.

- Application for a New Product Registration (EPA Form 8570-1)
- One (1) copy of the Nufarm Double O™ Pro Herbicide label with changes tracked. Changes include:
 - Replaced the product name throughout the label with "this product".
 - Replaced "recommend" and "may" with more definitive language.
 - Updated Warranty Disclaimer and Limitation of Liability statements.
- Five (5) copies of the Nufarm Double O™ Pro Herbicide label with changes incorporated.

Please call me at 919/655-0701 if you have any questions and/or comments regarding this submission.

Sincerely,

Lizbeth Rea
Regulatory Manager
Nufarm Americas Inc.



40914

Nufarm Double O™ Pro Herbicide Ornamental Herbicide

For Sale To, Use and Storage By Commercial Nursery, Cut Flower, Foliage And Landscape
Personnel Only

This product provides broad-spectrum preemergence control of weeds (including difficult weed species, such as spurge, chickweed, groundsel, and oxalis) in container, field grown and landscape ornamentals, cut flowers and ornamental foliage.

ACTIVE INGREDIENTS:

Oxyfluorfen* 2.0%

Oryzalin** 1.0%

OTHER INGREDIENTS: 97.0%

TOTAL: 100.0%

*CAS No. 42874-03-3

**CAS No. 19044-88-3

Keep out of Reach of Children CAUTION/PRECAUCION

See inside label booklet for additional FIRST AID and PRECAUTIONARY STATEMENTS.

EPA Reg. No. 228-632

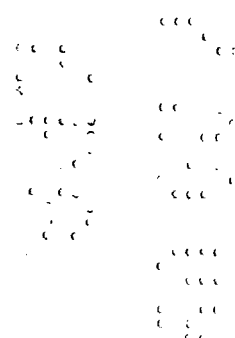
EPA Est. No. 5905-IA-001

Manufactured for:
Nufarm Americas Inc.
150 Harvester Drive
Burr Ridge, IL 60527

Nufarm Double O Pro Herbicide
contains oxyfluorfen and oryzalin,
the active ingredients used in Rout®.

Net Weight:

000228-000632.20090715.EXFR.Notification



5 of 14

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION/PRECAUCION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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.
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 1-800-424-9300 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates and wildlife. Do not apply directly to water, or areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. See Directions for Use for additional restrictions. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves
- Chemical-resistant apron for mixers and loaders

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)-(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

GENERAL INFORMATION

This product is a pre-emergent herbicide that combines two herbicides into a clay granule to provide a broader spectrum of weed control and ornamental plant tolerance. This product does not control

leaf 14

established weeds and is not registered for use on vegetable or edible fruit bearing crops, turf, bedding plants or flowering crops except as described in the Landscape Ornamentals and Cut Flower and Ornamental Foliage sections.

This product provides pre-emergent control of the following weeds:

Grassy Weeds

- | | |
|---|---|
| Annual bluegrass (<i>Poa annua</i>) | Foxtail, Green (<i>Setaria Viridis</i>) |
| Barnyardgrass (<i>Echinochloa crusgalii</i>) | Foxtail, Yellow (<i>Setaria lutescens</i>) |
| Crabgrass (<i>Digitaria Sanguinalis</i>) | Goosegrass (<i>Eleusine indica</i>) |
| Fall Panicum (<i>Panicum dichotomiflorum</i>) | Kikuyu Grass (<i>Pennisetum clandestinum</i>) |

Broadleaf Weeds

- | | |
|---|---|
| Ageratum (<i>Ageratum conyzoides</i>) | Moss (<i>Isopetyquim albescens</i>) |
| Artillery weed (<i>Pilea micropylla</i>) | Oxalis (<i>Oxalis stricta</i>) |
| Bittercress (<i>Cardamine pensylvanica</i>) | Pearlwort (<i>Sagina procumbens</i>) |
| Buttonweed (<i>Borreria laevis</i>) | Pigweed (<i>Amaranthus retroflexus</i>) |
| Castor bean (<i>Ricinus communis</i>) | Primrose (<i>Oenothera Cutleaf evening laciniata</i>) |
| Chickweed, Common (<i>Stellaria media</i>) | Purslane (<i>Portulaca oleracea</i>) |
| Clover, White (<i>Trifolium repens</i>) | Sheperdspurse (<i>Capsella bursa-pastoris</i>) |
| Dandelion (<i>Taraxacum officinale</i>) | Sowthistle (<i>Sonchus arvensis</i>) |
| Fireweed (<i>Epilobium angustifolium, Erechtites hieraciifolia</i>) | Sowthistle, common (<i>Sonchus oleraceus</i>) |
| Groundsel (<i>Senecio vulgaris</i>) | Spurge, garden (<i>Euphorbia hirta</i>) |
| Lambsquarter (<i>Chenopodium album</i>) | Spurge, Hairy (<i>Euphorbia vemiculata</i>) |
| Marestail (<i>Conyza canadensis</i>) | Spurge, Prostrate (<i>Euphorbia supina</i>) |
| Medic (<i>Medicago trunculata</i>) | Spurge, Spotted (<i>Euphorbia maculata</i>) |

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

USE GUIDELINES AND PRECAUTIONS

- For best results ensure an even distribution of particles at the proper application rate.
- Do not apply this product to wet or dew covered foliage. However, should this happen, irrigate immediately to completely remove herbicide particles from leaf surfaces.

- Do NOT apply this product in enclosed greenhouse or shadehouse type structures. Make applications at least two (2) weeks prior to enclosure in greenhouses or shadehouses.
- Do NOT apply this product in greenhouse liner production beds; apply only to container, field grown and landscape ornamentals, cut flower and foliage crops listed.
- Do NOT apply this product within two (2) weeks of shipping.
- Do NOT apply product directly to the bare roots of woody ornamentals or injury will result.
- In order to avoid foliage injury do NOT apply to whorl-leaved plants such as *Dracaena* spp., as their leaves channel the herbicide granules to the leaf base and makes removal of granules difficult (Note exception under 'Dracaena Field Stock').
- Newly forming leaves are particularly sensitive to this product and spotting or leaf drop will result. Do NOT apply the product two (2) weeks prior to or two (2) weeks following leaf bud break, or during periods of vigorous new growth.
- Within two (2) months following application, do NOT apply other herbicides to areas treated with this product. Compatibility of this product with other ornamental herbicides has not been verified.
- Do NOT disturb the soil surface following an application as the herbicide barrier will be broken resulting in less than optimum weed control.
- Do NOT incorporate this product into potting media or soil as dilution of the active ingredient and possible injury to plant roots will result.
- Do NOT apply in windy conditions that might cause uneven distribution of the granules or move the product onto sensitive species.
- Do NOT allow livestock to graze or feed on vegetation from treated fields or orchards.
- Do NOT apply by aerial application except where noted for agricultural uses in California.
- Do NOT apply by chemigation.

Application Restrictions - Container-grown ornamental: granular application rate of 2 lbs. a.i./A/application (6 lbs. a.i./season).

GENERAL APPLICATION INSTRUCTIONS

When applying this product, users should exercise reasonable judgment and caution. Because it is impossible to test this product with all possible combinations of plants and growing conditions, make an initial test application to a subset of the plants to assure desired performance under your specific growing conditions. Users who wish to use this ornamental herbicide on ornamental species or nonbearing fruit trees not listed on the label determines suitability for such uses by making trial application of this product at a specified rate to a small number of plants. Prior to using this product on a large number of plants, the test treatment should be observed for 3 to 6 months for signs of herbicidal injury to determine if the treatment is safe for use on the target plant species.

Apply this product at the rate specified in the appropriate section of this label with a properly calibrated spreader in order to assure accurate, even particle distribution. Once this product has been applied, do not disturb the soil surface or the herbicide barrier will be broken. For best results, immediately following application of this product, water in with approximately ½ inch of water in order to activate the herbicide and wash particles off the foliage.

	APPLICATION RATE PER				
	Square Foot	100 Square feet	Acre	Square Meter	100 Square Meters
Amount of Product	1g	100 g	100 lbs.	10.8 g	1.1 kg

1 ounce = 28 grams (g)

PLANT TOLERANCE TO THIS PRODUCT

The following species are tolerant of this product when used at the specified application rates:

- Abelia*
 x grandiflora (Glossy Abelia)
- Achillea*
 Millefolium 'Cerise Queen' (Yarrow)
- Acer*
 Palmatum 'Atropurpureum' (Red Japanese Maple)
- Alyogyne*
 Huegelii (Blue Hibiscus)
- Andromeda*
 Polifolia (Bog Rosemary)
- Anthurium*
 Andraeanum (Ozaki Red Anthurium)
- Arctostaphylos*
 Uva-ursi (Bearberry/Kinnikinnick)
- Banksia*
 Menziesii 'Raspberry Frost' (Raspberry Frost Banksia)
- Berberis*
 Thunbergii 'Crimson Pygmy' (Crimson Pygmy Barberry)
- Bougainvillea*
 spp. *'Barbara Karst'* (Barbara Karst Bougainvillea)
- Buxus*
 Microphylla 'Green Velvet' (Boxwood)
 Microphylla japonica (Japanese Boxwood)
 Sempervirens 'Welleri' (English Boxwood)
- Camellia*
 Japonica 'Lady Laura'
- Carissa*
 Grandiflora 'Fancy' (Natal Plum)
- Catharanthus*
 Roseus 'Vinca Blue Pearl'
- Chamaecyparis*
 Obtusa 'Letinea Aurea' (Gold Hinoki False C.) pisifera
 'Fillifera Aurea Nana' (Dwarf Golden Thread-Branch C.)
 Pisifera 'Fillifera Aurea' (Cypress)
- Cercis*
 Canadensis (Redbud)
- Codiaeum*
 Norma 'Low Life' (Low Life Croton)
- Coreopsis*
 Verticillata 'Moonbeam'
- Cornus*
 Baileyi (Bailey Dogwood)
 Florida (Flowering Dogwood)
- Cotoneaster*
 Dammeri 'Coral Beauty' (Coral Beauty Cotoneaster)
 Salicifolius 'Repens' (Willowleaf Cotoneaster)
- Cupressus*
 Sempervirens 'Glauca' (Italian Cypress)
- Deutzia*
 x 'Magician'
- Dianthus*
 spp. *'Baths Pink'*
- Diosma*
 Ericoides (Breath of Heaven)
- Dracaena*
 Massangeana (Complant)
 Deremensis 'Wameckii' (Striped Dracaena)
- Elaeagnus*
 Pungens 'Fruitlandii' (Fruitland Silverberry)
- Eriobotrya*
 Japonica (Loquat)
- Escallonia*
 x exoniensis 'Fradesii' (Frades Escallonia)
- Euonymus*
 Alata 'Compacta' (Dwarf Burning Bush)
 Fortunei 'Emerald'n Gold' (Emerald Gold E.)
 Fortunei 'Gold Edge' (Gold Edge E.)
 Fortunei 'Vegeta' (Euonymus Vegetus)
 Klatschovica 'Manhattan' (Manhattan E.)
- Euphorbia*
 Milii (Crown of Thorns)
- Ficus*
 Benamina 'Lady Diane' (Weeping Fig)
 Lyrata (Fiddleleaf Fig)
 Microcarpa nitida (Little Leaf Ficus)
- Forsythia*
 x intermedia 'Lynnwood' (Lynnwood Gold F.)
- Fothergillia*
 Gargenii 'Mt Airy'
- Fragaria*
 x 'Pink Panda' (Sand Strawberry)
- Gardenia*
 Jasminoides 'August Beauty Gardenia'
- Gelsemium*
 Sempervirens (Carolina Jessamine)
- Gypsophila*
 spp. (Baby's Breath)
- Hemerocallis*
 spp. (Daylily)
- Hibiscus*
 Rosa-sinensis 'Brilliant' (Brilliant Hibiscus)
 Rosa-sinensis 'Crown of Bohemia' (Crown of Bohemia H.)
- Hypericum*
 spp. (St. Johnswort)
- Iberis*
 Sempervirens (Evergreen Candy Tuft)
- Ilex*
 AQUIPERNYI 'San Jose' (San Jose Holly)
 COMUTA 'BURFORDII NANA' (Dwarf Burford Holly)
 COMUTA 'NEEDLEPOINT' (Needle Point Holly)
 COMUTA 'ROTUNDA' (Dwarf Chinese Holly)
 CRENATA 'CONVEXA' (Convex Japanese Holly)
 CRENATA 'HETZII' (Japanese Holly)
 OPACA (American Holly)
 VOMITORIA 'SCHILLINGS' (Shillings Holly)
 spp. *'Blue Girl'* (Dwarf Holly)
- Jasminum*
 NITIDUM (Angelwing Jasmine)
 spp. (Confederate Jasmine)

Juniperus

- Chinensis* 'Gold Coast' (Gold Coast Juniper)
- Chinensis* 'Mint Julip' (Mint Julip Juniper)
- Chinensis* 'Pfitzerana Glauca' (Blue Pfitzer Juniper)
- Chinensis* 'Pfitzerana Old Gold' (Old Gold Juniper)
- Chinensis* 'Sargentii Viridis' (Green Sargent Juniper)
- Chinensis* 'Sea Green' (Sea Green Juniper)
- Conferta* 'Blue Pacific' (Blue Pacific Juniper)
- Conferta* (Shore Juniper)
- Horizontalis* 'Bar Harbor' (Bar Harbor Juniper)
- Horizontalis* 'Douglasii' (Waukegan Juniper)
- Horizontalis* 'Plumosa' (Andorra Juniper)
- Sabina* 'Broadmoor' (Broadmoor Juniper)
- Sabina* 'Tamariscifolia' (Tam Juniper)
- Squamata* 'Blue star' (Blue Star Juniper)

Lantana

- Montevidensis* (Weeping Lantana)
- Montevidensis* 'Radiation' (Radiation Lantana)

Leucodendron

- x 'Safari Sunset' (South African Rose)

Leucospermum

- Cordifolium* (Pincushion Protea)

Ligustrum

- Japonicum* 'Texanum' (Waxleaf Privet, Texas Privet)
- Lucidum* (Glossy Privet)
- Sinense* 'Variegata' (Dwarf Variegated Chinese Privet)
- spp. 'Jack Frost' (Jack Frost Ligustrum)
- x 'Vaicaryi' (Vicary Golden Privet)

Lonicera

- x *xylosteoides* 'Clavey's Dwarf' (Clavey's Dwarf Honeysuckle)

Loropetalum

- Chinensis* 'Burgundy'

Mahonia

- Aquifolium* (Oregon Grape Holly)
- Chinensis* 'Pfitzerana Glauca' (Blue Pfitzer Juniper)
- Repens* (Creeping Mahonia)

Monharda

- Didyma* 'Claire Grace'

Microbiota

- Decussata* (Russian Cypress)

Nandina

- spp. 'Compacta'
- Domestica* 'Nana' (Dwarf Nandina)

Nerium

- Oleander* (Oleander)

Osmanthus

- Frangrans* (Sweet Osmanthus)
- Heterophyllus* 'Variegatus' (Variegated Osmanthus)

Photinia

- x *fraseri* (Fraser, Photinia, Red Tip)

Picea

- Abies* 'Ohlendorffii' (Norway Spruce)
- Glauca* 'Conica' (Dwarf Alberta Spruce)
- Pungens* 'Glauca' (Colorado Blue Spruce)

Pieris

- Japonica* 'Mountain Fire' (Mountain Fire Andromeda)

Pinus

- Elliotii* (Slash Pine)
- Mugo Mugo* (Mugho Pine)
- Radiata* (Monterey Pine)
- Strobus* (Eastern White Pine)
- Sylvestris* (Scotch Pine)
- Thunbergiana* (Japanese Black Pine)

Pittosporum

- Crassifolium* (Evergreen Pittosporum)
- Tenuifolium* (Kohuhu Pittosporum)
- Tobira* (Green Pittosporum)
- Tobira* 'Wheeler's Dwarf'

Podocarpus

- Gracilior* (Weeping Podocarpus)
- Occidentalis* 'Pyramidalis' (Pyramidal Arborvitae)

Potentilla

- Fruticosa* 'Gold Drop' (Gold Drop Potentilla)

Protea

- Nerifolia* 'Pink Mink' (Pink Mink Protea)

Prunus

- x *cistena* (Red-Leaf Plum)

Pyracantha

- Fortuneana* 'Graber' (Graber Pyracantha)
- 'Mohave' (Mohave Pyracantha)
- 'Navajo' (Navajo Pyracantha)

Quercus

- Shumardii* (Shumard Red Oak)

Raphiolepis

- Indica* 'Ballerina' (India Hawthorn)
- Indica* 'Pinkie' (India Hawthorn)
- Indica* 'Pink Cloud' (Pink Cloud Raphiolepis)

Rhododendron

- spp. 'Dora Amateis' (Dora Amateis R.)
- spp. 'Coral Bell' (Azalea)
- spp. 'Copperman' (Azalea)
- spp. x *exbury* (Azalea)
- spp. 'Pink Ruffles' (Azalea)
- spp. 'Snow' (Azalea)

Salvia

- Farinacea* (Dwarf Blue Salvia)
- Splendens* 'Lavender Vista'

Scabiosa

- Columbaria* 'Butterfly Blue'
- Columbaria* 'Pink Mist'

Schefflera

- Arboricola* (Dwarf schefflera)

Spirea

- x *bumalda* 'Anthony Waterer' (Anthony Waterer S.)

Syringa

- Meyeri* 'Pallbin' (Lilac)

Taxus

- Media* 'Hicksii'
- Media* 'Runyoni'

Ternstroemia

- Gymnanthera*

Thuja

- Occidentalis* 'Nigra' (Dark Green Arborvitae)
- Occidentalis* 'Ellwangeriana Aurea' (Golden Arborvitae)
- Occidentalis* 'Hetz's Midget' (Hetz Midget Arborvitae)
- Occidentalis* 'Pyramidalis' (Pyramidal Arborvitae)
- Occidentalis* 'Smaragd' (Emerald Arborvitae)
- Orientalis* 'Aurea Nana' (Dwarf Golden Arborvitae)
- Orientalis* 'Blue Cone' (Blue Cone Arborvitae)

Trachelospermum

- Asiaticum* 'Solo' (Asiatic Jasmine)
- Asiaticum* 'White Mist' (Variegated Asiatic Jasmine)
- Jasminoides* (Confederate or Star Jasmine)

Tsuga

- Canadensis* (Canadian Hemlock)

Vaccinium

- Ashei* 'Homebell' (Homebell Blueberry)

Verbena
Peruviana (Sand Verbena)

Viburnum
Carlesil (Korean Spice Viburnum)
Davidii (David Viburnum)
Macrocephalum (Chinese Snowball)
Plicatum 'Tomentosum' (Double Fire Viburnum)

Vitis
 x SV5279 'Aurora' (White Wine Grape)

Weigela
Florida 'Java Red' (Java Red Weigela)
 spp. 'Boskoop Glory' (Boskoop Glory W.)

Xylosma
Congestum

Use this product on the following species:

Achillea
 spp. 'Coronation Gold' (Yarrow)

Ageratum
 spp. 'Hawaii Blue'

Calluna
 spp. 'Forsey' (Heather)

Campanula
Persicifolia 'Blue'

Celosia
 spp. 'Castle Yellow'

Chrysanthemum
 spp. 'Legends'

Clematis
 x 'Dutchess of Edinburgh'

Dianthus
Caryophyllus
Deltoides 'Artic fire'

Digitalis
 spp. 'Excelsior'

Echinacea
 spp. 'Magnus'
Pallida
Purpurea 'Leuchstem'

Euonymus
Japonica 'Silver King' (Silver King Euonymus)

Euryops
Pectinatus (Greyleaf Daisy)

Ficus
Pumila (Creeping Fig)

Geranium
 spp. 'Pinto Red'

Hemerocallis
 spp. 'Happy Returns' (Daylily)

Hydrangea
Arborescens 'Annabelle'
Paniculata 'Grandiflora' (Peegee Hydrangea)

Lantana
 spp. 'Patriot Desert Sunset'

Leucanthemum
Maximum 'White Knight' (Shasta Daisy)

Lilium
Orientalis 'Mr. Ruud'

Llex
Crenata 'Helleri' (Helleri Japanese Holly)

Lupinus
 spp. 'RH My Castle' (Lupine)

Magnolia
Stellata 'Pinkie'

Papaver
Orientalis 'Pizzicato Mix' (Poppy)
Penstemon
spp. 'Thorn'
Petunia spp.
Prunus
Glandulosa (Dwarf Flowering Almond)
Rhododendron
spp. 'English Roseum'
Rudbeckia
spp. 'Goldstrum' (Coneflower)
Salvia
spp. 'May Knight'
Scabiosa
spp. 'Pink Carnival'
Sedum
Spectabile 'Autumn Joy'
Brevifolium (Stonecrop)
Tagetes
Erecta (Marigold)
Trachelospermum
Asiaticum 'Oblanceolatum' (Hardy Star Jasmine)
Vinca
Minor (Dwarf Periwinkle)
Zinnia spp.

CONTAINER GROWN ORNAMENTALS

Apply this product prior to weed seed germination or following complete weed removal in the spring or fall. Make repeat applications throughout the growing season at a *maximum* of three (3) month intervals (under most conditions three months is the maximum timeframe for residual effect for this product). Make Fall applications two (2) weeks prior to placing plants in enclosed greenhouse structures.

Potted Liners - Prior to transplanting into containers, remove all established weeds from the liners. To settle the potting media around the root systems, after planting and prior to chemical application irrigate with approximately ½ inch of water and then allow foliage to dry. Broadcast this product evenly over the container growing area and irrigate immediately after application with approximately ½ inch of water.

Bare-Root Liners - Remove all established weeds prior to application of this product. Within three (3) weeks after potting, broadcast apply this product over the container growing area evenly and immediately after application irrigate with approximately ½ inch of water.

Recycled Water Precaution: When runoff water is recycled, care must be taken to locate pump intake line opening(s) close to the collection pond surface to avoid disturbing and recirculating clay fractions/organic matter accumulation near the pond bottom. This debris/settlement contains amounts of previously applied pesticides tied-up on these clay/organic matter fractions and leads to plant injury.

FIELD GROWN ORNAMENTALS AND LABELED CHRISTMAS TREES

Apply this product either immediately after planting, in the spring prior to weed germination, or following complete weed removal using a rate of 50 lbs. per acre (one bag / acre) for a maximum of two (2) applications during the growing season or 100 lbs. per acre for a single application in a growing season. Do not reapply at less than two (2) month intervals for Christmas trees and at less than three (3) month intervals for field grown ornamentals.

NOTE: If irrigation is not available, do not use this product on bare root stock.

Potted Liners - Prior to transplanting into the field, remove all established weeds from liners. To settle the soil around the root systems, after planting and prior to application irrigate with approximately ½ inch of water and then allow foliage to dry. Broadcast this

12/14

product evenly over the field growing area and irrigate immediately after application with approximately 1/2 inch of water and leave the soil undisturbed.

Bare-Root Liners - Remove all established weeds and then irrigate with approximately 1/2 inch of water after planting to settle the soil around the root systems. Broadcast this product evenly over the field growing areas one (1) week after planting. Immediately after application, irrigate with approximately 1/2 inch of water and leave the soil undisturbed. Prior to re-application of this product, loosen the soil by light cultivation.

LANDSCAPE ORNAMENTALS

IMPORTANT: Apply this product only to those species listed on the label. This product is NOT registered for use on vegetables or edible fruit bearing crops, turf, bedding plants, or flowering crops except Protea and Salvia species.

Apply this product either immediately after planting, in the spring prior to weed germination, or following complete weed removal using a rate of 100 lbs. per acre. Immediately after application irrigate with approximately 1/2 inch of water and leave the soil undisturbed.

Do not reapply at less than two (2) month intervals and do not make more than two (2) applications per growing season.

CUT FLOWER AND FOLIAGE CROPS

Apply this product prior to weed germination or following complete weed removal. To settle the soil around the root systems, after planting and prior to application irrigate with approximately 1/2 inch of water and then allow foliage to dry. Broadcast this product evenly over the production area and irrigate immediately after application to activate the herbicide.

Wait three (3) weeks before applying to bare root plantings and do not reapply at less than three (3) month intervals.

NOTE: Be sure to follow all use precautions listed in this label unless specifically exempted in the specific crop instructions below.

FIELD GROWN PROTEA

Cover any shallow feeder roots exposed by cultivation or erosion prior to application. Apply this product to field plantings of 1-2 year Protea nursery stock at a rate of 100 lbs. per acre. For soils with low organic matter levels (0.5-2%), apply this product at a rate of 50 lbs. per acre. Repeat application throughout the production cycle at three (3) month intervals.

SARAN HOUSE GROWN ANTHURIUMS

Make certain that all plant tissue (leaves / stems) are completely dry prior to application. Using a granular spreader that allows for direct placement of this product to the base of plants and avoiding contact with leaf petiole attachments and flowering parts, apply this product at a rate of 100 lbs per acre being sure to treat no more than 1/4 (25%) of any saran production unit in a single day. Repeat application at no less than three (3) month intervals.

NOTE: To avoid personal injury due to inhalation of this product vapors, be sure to provide optimum ventilation to all treated areas.

DRACAENA FIELD STOCK

When establishing new field stock plantings, bind the foliage of unrooted cuttings with rubber bands or string to prevent product granules from lodging in the leaf whorls (see USE GUIDELINES AND PRECAUTIONS). Using a granular spreader that allows for direct placement of product to the base of plants, apply this product at a rate of 100 lbs. per acre. Repeat application at no less than three (3) month intervals. Apply this product after cuttings have been taken from field stock. Prior to re-application

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the remaining side shoots (with expanded leaves) must be removed to prevent the granules of this product from lodging in the leaf whorls.

STORAGE AND DISPOSAL

Do not contaminate water, fertilizer, other pesticides, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in a dry place. Protect from water and extreme heat.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. .

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

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NOTIFICATION

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