



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 6<sup>th</sup>, 2025

Nikki Benson  
Regulatory Manager  
Nufarm Americas Inc.  
4020 Aerial Center Parkway  
Morrisville, NC 27560

Subject: Label Amendment - Registration Review Mitigation for Oryzalin  
Product Name: NUFARM DOUBLE O SPC HERBICIDE  
EPA Registration Number: 228-632  
Case Number: 481267  
Application Dates: July 7, 2022

Dear Nikki Benson:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Oryzalin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Caleb Carr by phone at 202-566-0636, or via email at [carr.caleb@epa.gov](mailto:carr.caleb@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Perch', with a long, sweeping horizontal line extending to the right.

Maryam K. Muhammad-Perch, Team Lead  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

**ACCEPTED**

11/06/2025

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg. No. 228-632

OXYFLUORFEN	GROUP	14	HERBICIDE
ORYZALIN	GROUP	3	HERBICIDE

## Nufarm Double O™ SPC 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.**

### Manufactured by:

Nufarm Americas Inc.  
4020 Aerial Center Parkway  
Morrisville, NC 27560

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

**Net Weight:**

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

**CAUTION/PRECAUTION**

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	
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
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.

**Groundwater Advisory:** This product is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Non-Target Organism Advisory:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize off-site movement.

**PERSONAL PROTECTIVE EQUIPMENT**

**Mixers, loaders, applicators and other handlers must wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant footwear plus socks
- Waterproof 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 product's 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**

**Users should:**

- 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.

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## WEED RESISTANCE MANAGEMENT

For resistance management, this product is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

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## GENERAL INFORMATION

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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 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 (*Poa annua*)  
Barnyardgrass (*Echinochloa crusgalii*)  
Crabgrass (*Digitaria Sanguinalis*)  
Fall Panicum (*Panicum dichotomiflorum*)

Foxtail, Green (*Setaria Viridis*)  
Foxtail, Yellow (*Setaria lutescens*)  
Goosegrass (*Eleusine indica*)  
Kikuyu Grass (*Pennisetum clandestinum*)

### Broadleaf Weeds

Ageratum (*Ageratum conyzoides*)  
Artillery weed (*Pilea micropylla*)  
Bittercress (*Cardamine pensylvanica*)  
Buttonweed (*Borreria laevis*)  
Castor bean (*Ricinus communis*)  
Chickweed, Common (*Stellaria media*)  
Clover, White (*Trifolium repens*)  
Dandelion (*Taraxacum officinale*)

Moss (*Isopetyquim albesceus*)  
Oxalis (*Oxalis stricta*)  
Pearlwort (*Sagina procumbens*)  
Pigweed (*Amaranthus retroflexus*)  
Primrose (*Oenothera Cutleaf evening laciniata*)  
Purslane (*Portulaca oleracea*)  
Sheperdspurse (*Capsella bursa-pastoris*)  
Sowthistle (*Sonchus arvensis*)

Fireweed (*Epilobium angustifolium*, *Erechtites hieraciifolia*)  
Groundsel (*Senecio vulgaris*)  
Lambsquarter (*Chenopodium album*)  
Marestail (*Conyza canadensis*)  
Medic (*Medicago trunculata*)

Sowthistle, common (*Sonchus oleraceus*)  
Spurge, garden (*Euphorbia hirta*)  
Spurge, Hairy (*Euphorbia vermiculata*)  
Spurge, Prostrate (*Euphorbia supina*)  
Spurge, Spotted (*Euphorbia maculata*)

### 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
- Waterproof gloves
- 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
<b>Amount of Product</b>	1g	100 g	100 lbs.	10.8 g	1.1 kg

1 ounce = 28 grams (g)



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## PLANT TOLERANCE TO THIS PRODUCT

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

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

## *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)
- Sqarmata* '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 *xylostoides* 'Clavey's Dwarf' (Clavey's Dwarf Honeysuckle)

## *Loropetalum*

- Chinensis* 'Burgundy'

## *Mahonia*

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

## *Monarda*

- 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'

## *Temstroemia*

- 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)  
*Virburnum*  
*Carlesii* (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*  
*Oriental* '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* 'Obolanceolatum' (Hardy Star Jasmine)  
*Vinca*  
*Minor* (Dwarf Periwinkle)  
*Zinnia spp.*

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### CONTAINER GROWN ORNAMENTALS

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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.

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### FIELD GROWN ORNAMENTALS AND LABELED CHRISTMAS TREES

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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

product evenly over the field growing area and irrigate immediately after application with approximately ½ inch of water and leave the soil undisturbed.

**Bare-Root Liners** - Remove all established weeds and then irrigate with approximately ½ 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 ½ inch of water and leave the soil undisturbed. Prior to re-application of this product, loosen the soil by light cultivation.

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### **LANDSCAPE ORNAMENTALS**

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**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 ½ 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.

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### **CUT FLOWER AND FOLIAGE CROPS**

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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 ½ 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 ¼ (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

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.

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