

This is a specimen label, intended for use only as a guide in providing general information regarding use of this product. As labels are subject to revision, always carefully read and follow the label on the product container.



HERBICIDE

PERMAGUARD™

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

PERMAGUARD™ 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

EPA Reg. No. 79676-20-72112

EPA Est. No. 82757-OH-1

Manufactured for:
PROKōZ, Inc.
100 North Point Center E.
Suite 330
Alpharetta, GA 30022

For FIRST AID and PRECAUTIONARY STATEMENTS:
See Inside Booklet.

For PRODUCT USE Information Call 1-770-619-9832.

For MEDICAL and TRANSPORTATION
Emergencies ONLY
Call 24 Hours A Day 1-800-424-9300.

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

REV 0107

SPECIMEN LABEL

FIRST AID

If in eyes:

- 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.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. This pesticide is toxic to wildlife and fish. Use with care when applying in areas adjacent to any body of water. Apply this product only as specified on the label. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as natural rubber \geq 14 mils
- Chemical-resistant footwear
- Protective eyewear
- Chemical-resistant headgear for overhead exposures
- Chemical-resistant apron (mixers and loaders)
- Under prolonged use, a dust filter and disposable protective garment are additionally recommended

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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.

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 over long-sleeved shirt and long pants; chemical-resistant gloves, such as natural rubber \geq 14 mils; chemical-resistant footwear plus socks; and chemical-resistant headgear for overhead exposure.

GENERAL INFORMATION

PERMAGUARD™ 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. PERMAGUARD™ 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.

PERMAGUARD™ provides pre-emergent control of the following weeds:

Grassy Weeds

Annual bluegrass (*Poa annua*)
Barnyardgrass (*Echinochloa crusgalli*)
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*)
Fireweed (*Epilobium angustifolium*, *Erechtites hieraciifolia*)
Groundsel (*Senecio vulgaris*)
Lambsquarter (*Chenopodium album*)
Marestail (*Conyza canadensis*)
Medic (*Medicago trunculata*)
Moss (*Isopetyquim albesceus*)
Oxalis (*Oxalis stricta*)
Pearlwort (*Sagina procumbens*)
Pigweed (*Amaranthus retroflexus*)
Primrose (*Oenothera Cutleaf evening laciniata*)
Purslane (*Portulaca oleracea*)
Shepherdspurse (*Capsella bursa-pastoris*)
Sowthistle (*Sonchus arvensis*)
Sowthistle, common (*Sonchus oleraceus*)
Spurge, garden (*Euphorbia hirta*)
Spurge, Hairy (*Euphorbia vermiculata*)
Spurge, Prostrate (*Euphorbia supina*)
Spurge, Spotted (*Euphorbia maculata*)

USE GUIDELINES AND PRECAUTIONS

- For best results ensure an even distribution of particles at the proper application rate.
- Do NOT apply PERMAGUARD™ to wet or dew covered foliage. However, should this happen, irrigate immediately to completely remove herbicide particles from leaf surfaces.
- Do NOT apply PERMAGUARD™ in enclosed greenhouse or shade-house type structures. Make applications at least two (2) weeks prior to enclosure in greenhouses or shadehouses.
- Do NOT apply PERMAGUARD™ in greenhouse liner production beds; apply only to container, field grown and landscape ornamentals, cut flower and foliage crops listed.
- Do NOT apply PERMAGUARD™ within two (2) weeks of shipping.
- Do NOT apply product directly to the bare roots of woody ornamentals or injury may 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 may 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 PERMAGUARD™. Compatibility of PERMAGUARD™ 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 may 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.

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, it is recommended that an initial test application be made to a subset of the plants to assure desired performance under your specific growing conditions. Users who wish to use PERMAGUARD™ on ornamental species or nonbearing fruit trees not listed on this label may determine suitability for such uses by making trial application of this product at a recommended 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 PERMAGUARD™ at the rate recommended 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 PERMAGUARD™, water in with approximately 1/2 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 PERMAGUARD™	1 g	100 g	100 lbs.	10.8 g	1.1 kg

1 ounce = 28 grams (g)

PLANT TOLERANCE TO PERMAGUARD™

The following species are tolerant of PERMAGUARD™ when used at the recommended 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*
'Filifera Aurea Nana' (Dwarf Golden Thread-Branch C.)
Pisifera 'Fillfera 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 'Glaucua' (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)
Klautschovica 'Manhattan' (Manhattan E.)
Euphorbia
Milil (Crown of Thorns)

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PLANT TOLERANCE TO PERMAGUARD™*(continued)*

The following species are tolerant of PERMAGUARD™ when used at the recommended application rates:

Ficus
 Benamina 'Lady Diane' (Weeping Fig)
 Lyrata (Fiddleleaf Fig)
 Microcarpa nitida (Little Leaf Ficus)
Forsythia
 x intermedia 'Lynnwood' (Lynnwood Gold F.)
Fothergillis
 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)
 Cornuta 'Burfordll Nana' (Dwarf Burford Holly)
 Cornuta 'Needlepoint' (Needle Point Holly)
 Cornuta 'Rotunda' (Dwarf Chinese Holly)
 Crenata 'Convexa' (Convex Japanese Holly)
 Crenata 'Hetzii' (Japanese Holly)
 Opaca (American Holly)
 Vomitaria '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 'Sargentil 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 xylosteoides 'Clavey's Dwarf' (Clavey's Dwarf Honeysuckle)

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PLANT TOLERANCE TO PERMAGUARD™*(continued)*

The following species are tolerant of PERMAGUARD™ when used at the recommended application rates:

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
 Nerilfolia 'Pink Mink' (Pink Mink Protea)
Prunus
 x cistena (Red-Leaf Plum)
Pyracantha
 Fortuneana 'Graberii' (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'

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PLANT TOLERANCE TO PERMAGUARD™*(continued)*

The following species are tolerant of PERMAGUARD™ when used at the recommended application rates:

Scabiosa
 Columbaria 'Butterfly Blue'
 Columbaria 'Pink Mist'
Schefflera
 Arborea (Dwarf Schefflera)
Spirea
 x bumalda 'Anthony Waterer' (Anthony Waterer S.)
Syringa
 Meyer 'Pallbin' (Lilac)
Taxus
 Media 'Hicksii'
 Media 'Runyon'
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
 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

PERMAGUARD™ is not recommended for use 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'

PLANT TOLERANCE TO PERMAGUARD™*(continued)*

PERMAGUARD™ is not recommended for use on the following species:

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.*

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CONTAINER GROWN ORNAMENTALS

Apply PERMAGUARD™ 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 PERMAGUARD™). 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 1/2 inch of water and then allow foliage to dry. Broadcast PERMAGUARD™ evenly over the container growing area and irrigate immediately after application with approximately 1/2 inch of water.

Bare-Root Liners – Remove all established weeds prior to application of PERMAGUARD™. Within three (3) weeks after potting, broadcast apply the PERMAGUARD™ over the container growing area evenly and immediately after application irrigate with approximately 1/2 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 may contain amounts of previously applied pesticides tied-up on these clay/organic matter fractions and may lead to plant injury.

FIELD GROWN ORNAMENTALS AND LABELED CHRISTMAS TREES

Apply PERMAGUARD™ 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, PERMAGUARD™ is NOT recommended for use 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 1/2 inch of water and then allow foliage to dry. Broadcast PERMAGUARD™ 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 PERMAGUARD™ 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 PERMAGUARD™, loosen the soil by light cultivation.

LANDSCAPE ORNAMENTALS

IMPORTANT: PERMAGUARD™ should be applied only to those species listed on the PERMAGUARD™ label. PERMAGUARD™ is NOT registered for use on vegetables or edible fruit bearing crops, turf, bedding plants, or flowering crops except Protea and Salvia species.

Apply PERMAGUARD™ 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 PERMAGUARD™ 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 PERMAGUARD™ 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 PERMAGUARD™ 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 PERMAGUARD™ at a rate of 50 lbs. per acre. Reapplication may be made 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 PERMAGUARD™ to the base of plants and avoiding contact with leaf petiole attachments and flowering parts, apply PERMAGUARD™ 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. Reapplication may be made at no less than three (3) month intervals.

NOTE: To avoid personal injury due to inhalation of PERMAGUARD™ 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 the PERMAGUARD™ granules from lodging in the leaf whorls (see USE GUIDELINES AND PRECAUTIONS). Using a granular spreader that allows for direct placement of PERMAGUARD™ to the base of plants, apply PERMAGUARD™ at a rate of 100 lbs. per acre. Reapplication may be made at no less than three (3) month intervals. Apply PERMAGUARD™ 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 PERMAGUARD™ 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: 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.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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