LILLY/MILLER Weed & Grass Preventer

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Stops weeds and grass from growing in ornamental beds, groundcovers and gravel areas.

Contains SURFLAN

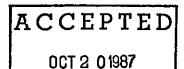
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ACTIVE INGREDIENT: *Oryzalin (3,5-dinitro-N4,N4-dipropylsulfanilamide.... 3.0% INERT INGREDIENTS.... 97.0%

*SURFLAN is the registered trademark for Elanco Products oryzalin.

Keep out of reach of children CAUTION See side panel for additional cautions

NET CONTENTS 1 QUART (1 PINT)



Unter the folderal Insecticide, Fungitite, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. - 802-564

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled or absorbed through the skin. Avoid breathing spray mist, ingestion and contact with eyes, skin, or clothing. Oryzalin may cause skin sensitization reactions in certain individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists. If swallowed: Call a physician or Poison Control Center. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists. If inhaled: Remove individual to fresh air. If breathing difficulty occurs, provide cardiopulmonary resuscitation assistance and get medical attention.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate spills.

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

STORAGE AND DISPOSAL

Keep from freezing. Store this product in its original container and keep in a locked storage area out of reach of children and domestic animals. Rinse equipment thoroughly with water after using. Do not reuse container. Rinse thoroughly before discarding and securely wrap original container in several layers of newspaper and discard in trash.

Weed & Grass Preventer prevents many weeds and grasses from growing in established ornamental beds, gravel walkways, driveways and around buildings for up to four months. Weed & Grass Preventer can also prevent weed infestations in southern turfgrass lawns (St. Augustine grass,

2.48 Bermudagrass, etc.) Weed & Grass Preventer can be sprayed onto the soil surface or over the tops of ornamentals and ground covers.

Weed & Grass Preventer will control the following weeds and grasses:

Barley, little Barnyardgrass (Watergrass) Bluegrass, annual Brachiaria (Signalgrass) Browntop panicum Crabgrasses (Large crabgrass) (Smooth crabgrass) Crowfootgrass Cupgrass Foxtails (Bottlegrass) (Bristlegrass) (Giant foxtail) (Green foxtail) (Pigeongrass) (Robust foxtail) (Yellow foxtail) Goosegrass (Silver crabgrass) Johnsongrass (Seedling only) Jungle rice Lovegrass, Mexican Lovegrass, orcutt Oat, wild

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Panicum, fall (Spreading panicgrass) Ryegrass, annual Sandbur, field Texas Panicum (Buffalograss) (Coloradograss) Witchgrass Bittercress Carpetweed Chickweed, common Fiddleneck, coast Filaree, redstem Filaree, whitestem Groundsel, common Henbit Knotweed, prostrate Lambsquarters Pigweeds (Carelessweed) (Prostrate pigweed) (Redroot) (Rough pigweed) (Smooth pigweed) (Spring pigweed) (Tumble pigweed) Puncturevine Purslane, common Pusley, Florida (Florida purslane) (Mexican clover) (Pusley) Rocket, London Rock purslane, redmaids Shepherdspurse Sprangletop, red Spurge, prostrate Woodsorrel, creeping

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Weed & Grass Preventer can be used around the following trees, shrubs and ... ground covers:

Glossy Abelia Balsam Fir White (concolor) Fir Fraser Fir Grand Fir Alpine Fir Veitchi Fir *Fir Maple Lily-of-the-Nile

Crape Myrtle Fetterbush Amur Privet Japanese Privet Glossy Privet Golden Privet Sweet Gum Big Blue Lilyturf Honeysuckle Southern Magnolia

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Manzanita Capeweed Dwarf Coyote Brush Begonia Japanese Barberry Violet Trumpet Vine Japanese Boxwood Common Boxwood *Boxwood Lemon Bottlebrush *Bottlebrush Large Leaf Ice Plant Redroot Lawson Cypress Velvet Rainbow Chrysanthemum *Chrysanthemum Camellia Cranberry Cotoneaster Cotoneaster (Lowfast Cotoneaster Bright-Bead Cotoneaster Rock Cotoneaster Rockspray Cotoneaster Cotoneaster Japanese Cryptomeria Italian Cypress White Ice Plant Hop Bush Escallonia Ash Colored Eucalyptus (Silver-Dollar Tree) Narrow-Leaved Black Peppermint Red Ironbark Black Peppermint *Eucalyptus Winged Euonymus Purple-Leaf Winter Creeper (Euonymus Evergreen Euonymus (Japanese Spindle Tree) Fatshedera Border Forsythia *Forsythia Gardenia Gazania Ginkgo Algerian Ivy English Ivy *Ivy Chinese Hibiscus **Rose-of-Sharon** English Holly Chinese Holly Japanese Holly *Holly Yaupon Twinkles Andorra Juniper Chinese Juniper Wilson Chinese Juniper Shore Juniper

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Oregon Grape Myoporum Myrtle Heavenly Bamboo Oleander Holly-Leaf Osmanthus (Holly Olive) Trailing African Daisy Sprinter Red Geranium *Geranium Petunia Red Cascade Petunia Photinia Norway Spruce Engelmann Spruce White Spruce Black Spruce Colorado Blue Spruce Blue Spruce *Spruce Pieris Canary Island Pine Coulter Pine **Bishop Pine** Mountain Pine Austrian Pine Monterey Pine White Pine Scotch Pine var. Japanese Black Pine Virginia Pine Mock Orange Shrubby Yew Pine *Pine Carolina Laurel English Laurel Douglas Fir var. Coconino, Shuswap, Jefferson Co. and San Isabel Firethorn Interior Live Oak *Oak Indian Hawthorn Easter Cactus Rhododendron Louisa Azalea Stewartson Azalea icceie -*Azalea · · · · · · · · Belinda Rose Cara-Mia Rose • Rose Stonecrop • • • • • • • • • Giant Redwood Bird-of-Paradise Common Lilac Brush Cherry Gypsy Sunshine Marigold *Marigold **Japanese Yew** Arborvitae

Keteleer Juniper Prostrate Juniper Japanese Garden Juniper Tamarix Juniper Hoarfrost Juniper *Juniper Shrimp Plant Mountain Laurel Golden-Rain Tree *Impatiens Western Red Cedar Star Jasmine California Laurel Sandankwa Viburnum Laurustinus *Viburnum Myrtle Periwinkle Dwarf Periwinkle Majestic Mix Pansy *Pansy Weigela Xylosma Soaptree Yucca State Fair Zinnia *Zinnia

How to apply -

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Weed & Grass Preventer will not kill existing weeds. Before applying Weed & Grass Preventer, remove any weeds, grass, fallen leaves and other plant debris. Rake area smooth, if necessary. Do not disturb surface after treatment. Do not use more than the recommended amount of Weed & Grass Preventer or damage may result. Do not apply to steep areas where runoff is possible. Do not use on dichondra or turfgrasses not listed on this label. Do not plant shrubs, trees, ground covers or grass in treated area for one year following treatment. Do not apply to or around vegetables or annual flowers.

To prevent staining avoid application to fences, sidewalks, patios, cement blocks, stucco or painted surfaces. If these surfaces are accidentally sprayed, hose off with water. May stain clothing.

TANK OR PRESSURE SPRAYER INSTRUCTIONS: Start with a clean sprayer. Fill half full with water, add recommended amount of Weed & Grass Preventer to sprayer, then add remaining water. With top on sprayer, shake for 5 seconds to mix. Spray to cover area uniformly. After application, turn on sprinkler or irrigation system for about 1 hour. Do not allow material to run off treated area.

Weed & Grass Preventer	Water	To Cover
5 T (2-1/2 oz) 12 T (3/4 cup) 1-1/2 cup	1 gal 2-1/2 gal 5 gal	100 sq.ft.(10x10) 250 sq.ft.(15x15) ,

HOSE END SPRAYER INSTRUCTIONS: To apply Weed & Grass Preventer with a Lilly/Miller Big 15 or other hose-end type sprayer with similar capacity;

determine the size of the area to be treated, add the amount of Weed & Grass Preventer required for that area to the sprayer jar, fill sprayer jar with water to the correct marking and spray to cover the area uniformly. After application, turn on sprinkler or irrigation system for about 1 hour. Do not allow material to run off treated area.

Approximate area to cover	Add this amount Weed & Grass Preventer to sprayer jar	Add water to fill sprayer to this mark
*80 sq ft (8x10)	2 oz (4 Tbl)	1 gal
500 sg ft (20x25)	12 oz (1-1/2 cups)	6 gal
650 sq ft (25x25)	16 oz (2 cups)	8 gal
800 sq ft (40x20)	20 oz (2-1/2 cups)	10 gal
1200 sg ft (50x25)	30 oz (3-3/4 cups)	

*use for sprayers other than Lilly/Miller Big 15

Combination spray - Using Weed & Grass Preventer and [use product name corresponding to chart below**]

This combination will kill existing vegetation and keep weeds and grasses from growing for up to three months. Use for driveways and walkways; along sidewalks, fences and patios; around trees, shrubs and ornamental plantings.

DO NOT SPRAY OVER TOP OF DESIRABLE PLANTS. If spray contacts desirable foliage, wash off immediately with clean water. Do not allow spray mixture to stand overnight in spray tank. This will result in poor weed control.

All information on the individual product labels, including all cautions and precautions must be followed.

TANK OR PRESSURE SPRAYER INSTRUCTIONS: Start with a clean plastic, fiberglass, aluminum or stainless steel sprayer. Fill half full with water, add recommended amount of Weed & Grass Preventer to sprayer, add (recommended amount of Knock-Out, then add remaining water. With top on sprayer, shake for 5 seconds to mix.

> NOTE: A galvanized or unlined steel sprayer is not recommended; however, if used, any spray solution not applied that day must be emptied and the sprayer rinsed.

Spray to cover the area uniformly Do not water treated area for at interest 24 hours after application. After 24 hours, turn on sprinkker or irrigation system for about 1 hour. Do not allow material to run off treated area.

Weed & Grass Preventer	**Lilly/Miller Knock-Out Weed & Grass Killer	Water	Coverage '
3 oz	3 oz	1 gal	125 sq ft
6 oz	6 oz	2 gal	250 sq ft
12 oz	12 oz	4 gal	500 sq ft

Weed & Grass	**Round-Up®	
Preventer	41% a.iquart	Water

Coverage

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3 oz	5-1/3 Tbl	l gal	125 sq ft
6 oz	10-2/3 Tbl	2 gal	250 sq ft
12 oz	1 c + 5-1/3 Tbl	4 gal	500 sq ft

Weed & Grass Preventer	**Round-Up L&G 18% a.iquart	Water	Coverage
3 07 6 02	3/4 cup 1-1/2 cup	1 gal 2 gal	125 sq ft 250 sq ft
12 oz	3 cup	4 gal	500 sq ft

For Southern turfgrass lawns: (Bermudagrass, St. Augustinegrass, Zoysiagrass, Bahiagrass, Centipedegrass) -

For control of Poa annua (annual Bluegrass) and other winter annuals, such as Common Chickweed and Henbit

Apply in late summer or early fall, before weeds appear. If annual bluegrass is heavy in the lawn, its elimination will thin the turf. A good fertilization program with Lilly/Miller ULTRAGREEN Lawn Foods will help maintain and fill-in the lawn area.

See Recommended Rates below

For control of the following summer annual grasses and broadleaf weeds:

Barnyardgrass (Watergrass) Crabgrasses ((Large Crabgrass) (Smooth Crabgrass) Crowfootgrass Foxtails (Bottlegrass) (Giant Foxtail) (Green Foxtail) (Robust Foxtail) (Yellow Foxtail)

(Pigeongrass)

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Goosegrass (Silver Crabgrass) Johnsongrass (Seedling only) Ryegrass, Italian Sandbur, field Carpetweed Knotweed, prostrate Purslane, common

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Apply in late winter or early spring prior to the onset of warm weather.

See Recommended Rates below.

How to apply -

Apply Weed & Grass Preventer to the lawn before weeds appear. Weed & Grass

Preventer alone will not control existing weeds and grasses (see Southern Lawn Combination Spray below). Apply Weed & Grass Preventer to healthy, established lawns. Lawns in stressed condition (dry, diseased, low fertility) may be injured by Weed & Grass Preventer application. Do not use this product on lawns seeded or over-seeded for less than six months. Do not spread seed on treated area for 3 - 4 months, then follow proper cultural practices. Do not apply over lawns started from sprigs, stolons or plugs until lawn is well established. Do not apply Weed & Grass Preventer to lawns containing Sun Turf Bermudagrass.

Recommended Rates -

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TANK OR PRESSURE SPRAYER INSTRUCTIONS: Start with a clean sprayer. Fill half full with water, add recommended amount of Weed & Grass Preventer to sprayer, then add remaining water. With top on sprayer, shake for 5 seconds to mix. Spray to cover area uniformly. After application, turn on sprinkler or irrigation system for about 1 hour. Tight, clay soils may require more water to soak Weed & Grass Preventer into soil. Do not allow material to run off treated area.

	Weed & Grass Preventer	Water	To Cover
Annual bluegrass & winter annuals		1 gal 2-1/2 gal 5 gal	100 sq ft (10x10) 250 sq ft (10x25) 500 sq ft (25x25)
Spring & summer annuals	5 Tbl 3/4 cup 1-1/2 cup	1 gal 2-1/2 gal 5 gal	100 sq ft (10x10) 250 sq ft (10x25) 500 sq ft (25x25)

HOSE END SPRAYER INSTRUCTIONS: To apply Weed & Grass Preventer with a Lilly/Miller Big 15 or other hose-end type sprayer with similar capacity; determine the size of the area to be treated, add the amount of Weed & Grass Preventer required for that area to the sprayer jar, fill sprayer (jar with water to the correct marking and spray to cover the area. Spray to cover area uniformly. After application, turn on sprinkler or irrigation system for about 1 hour. Do not allow material to run off treated area.

•	Amount of area to cover	Add this amount of Weed & Grass Preventer to sprayer jar	Add water to fill sprayer to this mark
Annual bluegrass & winter annuals		2-1/4 cups 1 cup + 2 Tbl	12 gal, , , , , , , , , , , , , , , , , , ,
Spring & summer annuals Southern	1000 sq ft 500 sq ft	3 cups 1-1/2 cups	12 gal''''' 6 gal

Lawn Combination Spray - Using Weed & Grass Preventer and Lilly/Miller

For lawns infested with the weed grasses listed below, this combination will kill them and prevent their return for up to three months. Apply in late summer or early fall.

Will kill: crabgrass

Will prevent: annual bluegrass

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nutgrass dallisgrass sandbur

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If the weed grass infestation is heavy in the lawn, its elimination will thin the turf. A good fertilization program with Lilly/Miller ULTRAGREEN Lawn Foods will help maintain and fill-in the lawn area.

Apply Weed & Grass Preventer/Crabgrass Killer Mix to healthy, est: lished lawns. Lawns in stressed condition (dry, diseased, low fertility) may be injured. Do not use this product on lawns seeded or over-seeded for at least six months. Do not spread seed on treated area for 3 - 4 months, then follow proper cultural practices. Do not apply on lawns started from sprigs, stolons or plugs until lawn is well established. Do not apply to lawns containing Sun Turf Bermudagrass.

If spray contacts desirable foliage, wash off immediately with clean water. Do not allow spray mixture to stand overnight in sprayer tank. This will result in poor weed control.

(All information on the individual product labels, including all cautions and precautions must be followed.

TANK OR PRESSURE SPRAYER INSTRUCTIONS: Start with a clean sprayer. Fill half full with water, add recommended amount of Weed & Grass Preventer to sprayer, add recommended amount of Crabgrass Killer, then add remaining water. With top on sprayer, shake for 5 seconds to mix. Spray to cover the area uniformly.

Do not water treated area for at least 24 hours after application. After 24 hours, turn on sprinkler or irrigation system for about 1 hour. Do not allow material to run off treated area.

Weed & Grass Preventer	Crabgrass Kille	r Wə'	Coverage
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5 Tbl	2-1/2 tsp	l gal	100 sq ft
10 Tbl	5 tsp	2 gal	200 sq ft
(1/2 cup + 2 Tbl)		
25 Tbl	4 Tbl	5 gal	500 sq ft
(1-1/2 cup + 1 T)	bl)	- ,	-

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer' is assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

THE CHAS. H. LILLY CO. PORTLAND, OREGON 97218 EPA Reg. No. 802-EPA Est. 802-OR-1