

# **CONTAINS TREFLAN\* HERBICIDE**

ACCEPTED VIA NOTIFICATION LABEL NOT REVIEWED

Apr 28, 2011

New York State Department of Environmental Conservation Division of Materials Management Pesticide Product Registration

**ACTIVE INGREDIENT:** trifluralin .......

5.0% 95.0% 100.0%

\*Trademark of Dow AgroSciences LLC.

EPA Reg. No. 961-405

Contains 2 pounds active ingredient per 40 pound bag. EPA Est. No. 961-PA-01: 961-IL-01

Superscript used is first letter of lot number. Manufactured using the processes of

U.S. Patents 4,120,905 and 4,226,789.

24-36683



Doc Id: 526383

LEBANON TREFLAN\* 5G is a selective preemergence herbicide for control of certain annual grasses and broadleaf weeds in:

- Container Grown Ornamentals
- Landscape Ornamentals
- Nursery Stock
- Ground Covers
- Non-Cropland

- Ornamental Bulbs
- Non-Bearing Fruit and Nut Trees and Non-Bearing Vineyards in Ornamental Landscaping
- Established Flowers

# KEEP OUT OF REACH OF CHILDREN CAUTION

In case of an emergency endangering life or property involving this product, call Chemtrec at 1-800-424-9300.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

## **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.

• Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

Call a poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow.

• Do not induce vomiting unless told to by a poison control center or doctor.

• Do not give anything to an unconscious person.

IF ON SKIN:

. Take off contaminated clothing.

 Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

IF INHALED:

Move person to fresh air.

• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For Emergency Medical Information call (888) 208-1368.

# PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other Handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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.

#### 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. As soon as possible, wash thoroughly and change into clean clothing.

## **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

## **DIRECTIONS FOR USE**

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

Read all Directions for Use carefully before applying.

NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES OR CLIMATIC MODIFICATIONS AND BEING GROWN IN INTERIOR PLANTSCAPES, ORNAMENTAL GARDENS OR PARKS, OR ON GOLF COURSES OR LAWNS AND GROUNDS.

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.

## **ENTRY RESTRICTIONS**

Do not enter or allow others to enter the treated area until dusts have settled. If soil incorporation is required after the application, do not enter or allow others to enter the treated area (except those persons involved in the incorporation) until the incorporation is complete. If the incorporation is accomplished by watering-in, do not enter or allow others to enter the treated area until the surface is dry after the watering-in. CENTED AT INTECDMATION

GENERAL INFORMATION

This product is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards in ornamental landscaping only, and noncropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with weed population, potting media or soil conditions, temperature, watering regime and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed. Repeat applications should not be made sooner than 60 days after a previous application. Do not apply over 240 lbs. per acre total of this product within a 12-month period.

## **GENERAL USE PRECAUTIONS**

This product does not control established weeds. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation, is required to activate this product. Optimum weed control is obtained when this product is activated within 3 days of application. If rainfall or irrigation has not occurred within 3 days of application and tillage is possible, this product may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate this product within 3 days of application may result in erratic weed control. Do not apply when wind conditions favor drift of the granules from the target area.

Optimum weed control will be obtained when followed by overhead irrigation or rainfall within a few hours after surface application.

# WEEDS CONTROLLED WHEN APPLIED AT 80 LBS./ACRE (1.8 Lbs./1,000 Sq. Ft.)

## ANNUAL GRASSES

Cupgrass, Southwestern Barley, hare Brome Oat, Wild Signalgrass Panicum, fall Sprangletop, Mexican Barnyardgrass (watergrass) Cheat Fescue, rattail Junglerice Bluegrass, annual Crabgrass Foxtail Lovegrass Sandbur, field Stinkgrass Witchgrass

#### ANNUAL BROADLEAF WEEDS

Chickweed, common Knotweed, prostrate Lambsquarters, common Pigweed Purslane, common Thistle, Russian Goosefoot, nettleleaf Nochia Nettle, stinging

In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 80 lbs./acre (1.8 lbs./1000 sq. ft.).

Carpetweed Johnsongrass (from seed) Panicum, Texas Pusley, Florida Shattercane

# LebanonTurf

For technical assistance or more information about our products visit www.LebanonTurf.com

Manufactured by:

Lebanon Seaboard Corporation

1600 E. Cumberland St. • Lebanon, PA 17042

Made in the U.S.A.

NET WT. 40 LBS. (18.14 kg)

#### APPLICATION DIRECTIONS

Apply this product using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or plant injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

### **APPLICATION TECHNIQUES**

- When using a drop-type spreader, a splash board mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, hard to treat areas. Carefully measure the amount of product needed to avoid over-application.

## **APPROVED USES**

Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Ground Covers, Established Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees, Non-bearing Vineyards in Ornamental Landscaping Only, and Non-cropland.

This product is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards in ornamental landscaping only, and non-cropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation.

Refer to the "General Information" section of this label for general use precautions and information on application, application rates and weeds controlled.

## **SPECIAL USE PRECAUTIONS**

To avoid possible injury, do not apply this product to:

- Unrooted liners or cuttings that have been planted in pots for the first time
- · Pots less than four inches wide
- Ground covers until they are established and well rooted

Do not apply to newly transplanted ornamentals, nursery stock, ground covers, flowers and non-bearing fruit and nut crops and non-bearing vineyards in ornamental landscaping until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Do not make preplant applications of this product to areas where gladioli corms are less than one inch in diameter will be planted or injury may occur.

Do not apply this product in greenhouse or other enclosed structures.

Repeat applications should not be made sooner than 60 days after a previous application of this product. Do not apply over 240 lbs. per acre total of this product within a 12 month period.

Prior to using this product on a large number of plants, the treated plants should be observed for signs of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. THE USE ASSUMES RESPONSIBILITY FOR ANY PLANT DAMAGE OR OTHER LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ON PLANT SPECIES NOT RECOMMENDED ON THIS LABEL.

This product may be used on the following established plant species when container grown or field grown:

## **TREES**

Scarlet Oak Balsam Fir European White Birch Kousa Dogwood Honey Locust Pendula-Weeping Norway Spruce Monterey Pine White Fir **Bottle Tree** Green Hawthorn Shademaster Honey Locust Repens-Spreading Norway Spruce Red Pine Bear Oak Black Olive Carrot Wood Dwarf Alberta Spruce White Pine Pin Oak Albus Flowering Maple Tovon Luteus Flowering Maple Chinese Chestnut Arizona Cypress Florida Anise-Tree White spruce Columnar Scotch Pine Willow Oak Roseus Flowering Maple Carob Russian Olive Eastern Red Cedar Dwarf Globe Blue Spruce Scotch Pine Red Oak Glauca-Colorado Blue Spruce Tangerine Flowering Maple Redbud Redgum Eucalyptus Japanese Larch Loblolly Pine Live Oak Vesuvius Red-Flowering Maple Filicoides-Fernspray Cypress Mealy Eucalyptus American Sweet Gum Hoopsii-Hoop's Blue Spruce Japanese Black Pine Black Locust Gracilis-Slender Hinoki Cypress Silver Dollar Eucalyptus Koster-Koster Blue Spruce London Planetree Flame Maple Tuliptree Willow Norway Maple Swara False Cypress Coolibah Tree Southern Magnolia Bristlecone Pine American Sycamore Giant Seguoia Red Ironbark Eucalyptus Red Maple Squarrosa-Moss Cypress Crabapple Canary Island Pine California Sycamore Mahogany Red Sunset Maple Palm (Chamaedorea cataractarum) Ficus White Mulberry Shore Pine. Beach Pine Podocarpus Yellow Tab Silver Maple Palm (Chamaedorea costaricana) Mini Fucus Eldarica Pine Cottonwood Banana Baldcypress Sugar Maple Parlor Palm White Ash Blackgum Bosnian Pine Chilean Mesquite Eastern Hemlock Queen Palm Sourwood Pumilio-Shrubby Swiss Mountain Pine Yoshino Flowering Cherry Cloud Nine Dogwood Shamel Ash Chinese Elm River Birch Austrian Black Pine Flowering Dogwood Ginko-Maidenhair Tree Norway Spruce Douglasfir Mexican Fan Palm Paper Birch

## ORNAMENTAL SHRUBS

Praecox-Early Cotoneaster

Cranberry Cotoneaster

Pyrenees Cotoneaster

Bearberry Cotoneaster

Himalayan Cotoneaster

Hollandia-Warminster Broom

Mediterranean Pink Heather

Canadale Gold Euonymus

Spreading Euonymus

Trailing Rosea Iceplant

Descampsia

Blue Fescue

Algerian Ivy

Strawberry, Beach

Golden Hakonechloa

Iceplant

Gazania

Dianthus

Marigold, Cape

Rock Cotoneaster

Zabel Cotoneaster

Lena-Scotch Broom

Fruitland Silver Berry

Purple Bell Heather

Cornish Heather

Winged Euonymus

Fragrant Daphne

Hopseed Bush

Sago Palm

Deutzia

Japanese Boxwood

Korean Boxwood

Common Boxwood

Lemon Bottlebrush

Weeping Bottlebrush

Japanese Camellia

Sasangua Camellia

Feathery Cassia

Snow-in-Summer

Kosteri Cypress

Torulosa Cypress

Areca palm

Summersweet

Japanese Cleyera

Eichholz Smoke Tree

Largeleaf Iceplant

Dwarf Plumbago

Rockrose

Coreopsis

Crown Vetch

Cotoneaster

Cornflower

Boysenberry

Cherry, sour

Velvet Centaurea

White Iceplant

Pampas Grass

Wild Lilac

Plum Yew

Spring Torch Scotch Heather

Nana-Dwarf Hinoki Cypress

Filifera-Thread Cypress

Edward Goucher Abelia

Coral Bark Japanese Maple

Dwarf Japanese Maple

Japanese Painted Fern

William Penn Barberry

Crimson Pygmy Barberry

Rose Glow Barberry

Barbara Karst California Gold Pink Pixie Scarlet O'Hara Temple Fire

Texas Dawn

Wooly yarrow

Lily-of-the-Nile

Beecharass

Cape Weed

Bellflower

Yarrow

Floss Flower

Almond

Apple

Apricot

Avocado

Asparagus Fern

Variegated Carex

Thrift

Atropurea-Redleaf Japanese Barberry

Aurea-Golden Japanese Barberry

Glossy Abelia

Copper Leaf

Amur Maple

Century Plant

False Spirea

Coyotebush

Mentor Barberry

Abyssinica Acacia

Shoestring acacia

Prostrate Acacia

## **ORNAMENTAL SHRUBS**

August Beauty Gardenia

Pineapple Guava

Radican Gardenia

Salal/Lemon Leaf

Carolina jessamine

Ross Estev-Hibiscus

Mystery Gardenia

Mountain Laurel

Flowering Woodbine

Albo-Marginata Hosta

Angelwing Jasmine

Trailing Iceplant

English Ivv

Aaronsbeard

St. Johnswort

Sunflower

Balsam

Kiwi

Lemon

Nectarine

Crape Myrtle

Rose-of-Sharon- Heart

Rose-of-Sharon- Red Bird

Rose-of-Sharon- Woodbridge

Henry Garnet Holly Leaf Sweetspire

Forsythia

Gardenia

Woadwaxen

Holly

Juniper

Sibirica-Siberian Dogwood	Emerald'n Gold Euonymus	Lantana	Mountain Fire Lily-of-the-Valley	Ramanas Rose	Christmas Palm
Baileyi Red Osier Dogwood	Sunspot Euonymus	Coast Leucothoe	Snowdrift Lily-of-the-Valley	Rosemary	Virburnum
Flaviramea-Yellowtwig Dogwood	Wintercreeper Euonymus	Drooping leucothoe	Templebells Lily-of-the-Valley	Japanese Skimmia	Weigela
Royal Purple Smoke Tree	Silver King-Euonymus	Privet	Valley Rose Lily-of-the-Valley	Reeve's Skimmia	Xylosma
Coral Beauty Smoke Tree	Variegated Evergreen Euonymus	Chinese Fountain Palm	Valley Valentine Lily-of-the-Valley	Anthony Waterer Spiraea	Yucca

Serotina Woodbine

Trumpet Honevsuckle

Leather Leaf Mahonia

Compacta-Dwarf Heavenly Bamboo

Harbour Dwarf-Heavenly Bamboo

Nana Compacta-Heavenly Bamboo

Nana Purpurea-Heavenly Bamboo

Woods Dwarf Heavenly Bamboo

Creeping Mahonia

Heavenly Bamboo

Hardy Red Oleander

Ruby Lace Oleander

Fortunes Osmanthus

Japanese Andromeda

Forest Flame Lily-of-the-Valley

Oleander

Mockorange

Pigmy Date Palm

Fraser's Photinia

White Lilv Turf

Big Blue Lily Turf

Magestic Lily Turf

Eulalia Grass

Sweet Alyssum

Lupine

Orange

Peach

Pistachio

Pear

Lilac Beauty Lily Turf

Silvery Sunproof Lily Turf

Variegated Lirope Lily Turf

Green/Creeping Lily Turf

Wax Myrtle

Mugo-Mugho Pine

Green Pittosporum

Japanese Pittosporum

Blue Cape Plumbago

Carolina Laurel Cherry

Dwarf Pink Flowering Almond

Charisma-Monruce Rhaphiolepis

Springtime-Monme Rhaphiolepis

Roundleaf Rhaphiolepis

Azalea/Rhododendron

Enchantress-Moness Rhaphiolepis

Plumbago

Yewpine

Cinquefoil

Pyracantha

India Hawthorn

Africa Sumac

Dolchia Spiraea

Creeping Wirevine

Dwarf Mondo Grass

Trailing African Daisy

Japanese Spurge

Fountain Grass

Petunia

Pomegranate

Raspberry

Walnut, black

Walnut, English

Prune

Phlox

Myoporum

Mondo Grass

Tassel Fern

Wheeler's Dwarf Pittosporum

Japanese Alpine Spiraea

Shirobana Spiraea

Bridal Wreath

Chinese Lilac

Common Lilac

Anglojap Yew

Upright Japanese Yew

Ternstroemia gymnanthera

Globosa-Globe Arborvitae

Little Giant-Dwarf Arborvitae

Nigra-Dark American Arborvitae

Pyramidalis-Pyramid Arborvitae

Minima Glauca-Dwarf Arborvitae

Aureus Nana-Dwarf Golden Arborvitae

Cape Honeysuckle

American Arborvitae

**Emerald Arborvitae** 

Rheingold Arborvitae

Techny Arborvitae

Ribbon Grass

Asaian Jasmine

Pincushion Flower

Lamb's Ears

Germander

Verbena

Speedwell

Periwinkle

Stonecrop (Sedum)

#### Daylilly Rupturewort

**GROUND COVERS** 

Alyssum	Sweet Suitan	Snow on the Mountain	impatiens	STOCK	Portulaca	Stoke's Aster	
Snapdragon	Chrysanthemum	Gaillardia	Ixora	Four O'Clock	Rose	Marigold	
African Daisy	Morningglory	Geum	Sweet Pea	Forget-Me-Not	Blackeyed Susan	Nasturtium	
Dusty Miller	Coreopsis	Gladiolus	Statice	Nicotiana	Golden Glow	Vinca	
Aster (perennial)	Cosmos	Baby's Breath	Lobelia	Poppy, California	Salvia	Zinnia	
Calendula	Dahlia						

**ESTABLISHED FLOWERS** 

# ORNAMENTAL BULBS

This product may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. This product may also be applied following bulb emergence. For fall planted bulbs, apply this product again in later winter or early spring to weed-free soil surfaces.

NON-BEARING FRUIT AND NUT TREES AND NON-BEARING VINEYARDS IN ORNAMENTAL LANDSCAPING ONLY\*

#### Cherry, sweet Gooseberry Loganberry Currant Grape, American Macadamia Nut Pecan

Blackberry Dewberry Grape, European Blueberry Elderberry Grapefruit Olive Plum \*Non-bearing fruit and nut trees and non-bearing vinevards are defined as plants which will not bear fruit for at least one year after treatment

Fig

Filbert

## **NON-CROPLAND AREAS**

This product is recommended as a preemergence herbicide for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, highway guard rails, sign posts and delineators.

Apply anytime prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbicides.

Refer to the "General Information" section prior to using this product on non-cropland.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store product in its original container in a cool, dry, locked place out of the reach of children and animals.

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

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

# WARRANTY IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Lebanon Seaboard Corporation. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, LEBANON SEABOARD CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Lebanon Seaboard Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Lebanon Seaboard Corporation DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT LEBANON SEABOARD CORPORATION'S ELECTION. THE REPLACEMENT OF PRODUCT.

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- Established Flowers
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- **Vineyards in Ornamental Landscaping** Ornamental Bulbs

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# KEEP OUT OF REACH OF CHILDREN **CAUTION**

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# PRECAUTIONARY STATEMENTS

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Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIRST AID

· 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. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: • Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.

• Do not induce vomiting unless told to by a poison control center or doctor. · Do not give anything to an unconscious person.

IF ON SKIN: • Take off contaminated clothing.

• Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: • Move person to fresh air.

• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

• Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For Emergency Medical Information call (888) 208-1368

# PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other Handlers must wear: · Long-sleeved shirt and long pants

Shoes plus socks

IF IN EYES:

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.

# **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.

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Established Flowers

**Vineyards in Ornamental Landscaping** 

Nursery Stock

Ornamental Bulbs

Noncropland

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- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

# **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.



For technical assistance or more information about our products visit www.LebanonTurf.com Manufactured by:

# Lebanon Seaboard Corporation

1600 E. Cumberland St. • Lebanon, PA 17042

Made in the U.S.A. www.LebanonTurf.com

NET WT. 40 LBS. (18.15 KG)

# **DIRECTIONS FOR USE**

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

Read all Directions for Use carefully before applying.

NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES OR CLIMATIC MODIFICATIONS AND BEING GROWN IN INTERIOR PLANTSCAPES, ORNAMENTAL GARDENS OR PARKS, OR ON GOLF COURSES OR LAWNS AND GROUNDS.

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.

## **ENTRY RESTRICTIONS**

Do not enter or allow others to enter the treated area until dusts have settled. If soil incorporation is required after the application, do not enter or allow others to enter the treated area (except those persons involved in the incorporation) until the incorporation is complete. If the incorporation is accomplished by watering-in, do not enter or allow others to enter the treated area until the surface is dry after the watering-in.

#### GENERAL INFORMATION

This product is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards in ornamental landscaping only, and noncropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation. Length of weed control will vary with weed population, potting media or soil conditions, temperature, watering regime and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed. Repeat applications should not be made sooner than 60 days after a previous application. Do not apply over 240 lbs. per acre total of this product within a 12-month period.

#### **GENERAL USE PRECAUTIONS**

This product does not control established weeds. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. A single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation, is required to activate this product. Optimum weed control is obtained when this product is activated within 3 days of application. If rainfall or irrigation has not occurred within 3 days of application and tillage is possible, this product may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate this product within 3 days of application may result in erratic weed control. Do not apply when wind conditions favor drift of the granules from the target area.

Optimum weed control will be obtained when followed by overhead irrigation or rainfall within a few hours after surface application.

## WEEDS CONTROLLED WHEN APPLIED AT 80 LBS./ACRE (1.8 Lbs./1,000 Sq. Ft.)

### **ANNUAL GRASSES**

Barley, hare Brome Crabgrass Fescue, rattail Goosegrass Lovegrass Panicum, fall Signalgrass Stinkgrass Stinkgrass Witchgrass (August Potation Potat

ANNUAL BROADLEAF WEEDS

Chickweed, common Goosefoot, nettleleaf Knotweed, prostrate Kochia Lambsquarters, common Nettle, stinging Pigweed Purslane, common Thistle, Russian

In addition to the weeds controlled, the following weeds will be partially controlled or suppressed at 80 lbs./acre (1.8 lbs./1000 sq. ft.).

Carpetweed Johnsongrass (from seed) Panicum, Texas Pusley, Florida Shattercane

## APPLICATION DIRECTIONS

Apply this product using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or plant injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

# **APPLICATION TECHNIQUES**

- When using a drop-type spreader, a splash board mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.
- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.
- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, hard to treat areas. Carefully measure the amount of product needed to avoid over-application.

## **APPROVED USES**

Container Grown Ornamentals, Landscape Ornamentals, Nursery Stock, Ground Covers, Established Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees, Non-bearing Vineyards in Ornamental Landscaping Only, and Non-cropland.

This product is recommended as a preeemergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established flowers, ornamental bulbs, non-bearing fruit and nut trees, non-bearing vineyards in ornamental landscaping only, and non-cropland. Apply before or after planting but prior to germination of target weeds, or immediately after cultivation.

Refer to the "General Information" section of this label for general use precautions and information on application, application rates and weeds controlled.

## SPECIAL USE PRECAUTIONS

To avoid possible injury, do not apply this product to:

- Unrooted liners or cuttings that have been planted in pots for the first time
- Pots less than four inches wide
- Ground covers until they are established and well rooted

Do not apply to newly transplanted ornamentals, nursery stock, ground covers, flowers and non-bearing fruit and nut crops and non-bearing vineyards in ornamental landscaping until soil or potting media has been settled by packing and irrigation or rainfall and no cracks are present or injury may occur.

Do not make preplant applications of this product to areas where gladioli corms are less than one inch in diameter will be planted or injury may occur.

Do not apply this product in greenhouse or other enclosed structures.

Repeat applications should not be made sooner than 60 days after a previous application of this product. Do not apply over 240 lbs. per acre total of this product within a 12 month period.

Prior to using this product on a large number of plants, the treated plants should be observed for signs of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. THE USER ASSUMES RESPONSIBILITY FOR ANY PLANT DAMAGE OR OTHER LIABILITY RESULTING FROM THE USE OF THIS PRODUCT ON PLANT SPECIES NOT RECOMMENDED ON THIS LABEL.

This product may be used on the following established plant species when container grown or field grown:

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This product may be used on the following established plant species when container grown or field grown

TREES

Pendula-Weeping Norway Spruce Repens-Spreading Norway Spruce Balsam Fir European White Birch Kousa Dogwood Honey Locust Monterey Pine Scarlet Oak White Fir Red Pine White Pine Green Hawthorn Albus Flowering Maple Carrot Wood Dwarf Alberta Spruce Black Olive Toyon Pin Oak Florida Anise-Tree Luteus Flowering Maple Chinese Chestnut Arizona Cypress White Spruce Columnar Scotch Pine Willow Oak Roseus Flowering Maple Eastern Red Cedar Dwarf Globe Blue Spruce Scotch Pine Red Oak Tangerine Flowering Maple Redbud Redgum Eucalyptus Japanese Larch Glauca-Colorado Blue Spruce Loblolly Pine Live Oak Mealy Eucalyptus
Silver Dollar Eucalyptus Hoopsii-Hoop's Blue Spruce Koster-Koster Blue Spruce Japanese Black Pine London Planetree Vesuvius Red-Flowering Maple Filicoides-Fernspray Cypress Gracilis-Slender Hinoki Cypress American Sweet Gum Black Locus Flame Maple Tuliptree Norway Maple Swara False Cypress Coolibah Tree Southern Magnolia Bristlecone Pine American Sycamore Giant Seguoia Red Maple Squarrosa-Moss Cypress California Sycamore Mahogany Red Sunset Maple Palm (Chamaedorea cataractarum) Ficus White Mulberry Shore Pine, Beach Pine Podocarpus Yellow Tab Silver Maple Palm (Chamaedorea costaricana) Baldcypress Eastern Hemlock Mini Fucus Chilean Mesquite White Ash Sugar Maple Parlor Palm Blackgum Bosnian Pine Cloud Nine Dogwood Queen Palm Shamel Ash Pumilio-Shrubby Swiss Mountain Pine Yoshino Flowering Cherry Chinese Elm River Birch Ginko-Maidenhair Tree Mexican Fan Palm Flowering Dogwood Douglasfir Norway Spruce Paper Birch

**ORNAMENTAL SHRUBS** 

Japanese Boxwood Korean Boxwood Common Boxwood Edward Goucher Abelia Praecox-Early Cotoneaster Serotina Woodbine Mugo-Mugho Pine Japanese Alpine Spiraea Cranberry Cotoneaster Pyrenees Cotoneaster Green Pittosporum Japanese Pittosporum Shirobana Spiraea Trumpet Honeysuckle Leather Leaf Mahonia Glossy Abelia Forsythia August Beauty Gardenia Abyssinica Acacia Bridal Wreath Creeping Mahonia Wheeler's Dwarf Pittosporum Prostrate Acacia Bearberry Cotoneaster Lemon Bottlebrush Chinese Lilar Shoestring Acacia Weeping Bottlebrush Radican Gardenia Blue Cape Plumbago Common Lilac Copper Leaf Spring Torch Scotch Heather Rock Cotoneaster Salal/Lemon Leaf Compacta-Dwarf Heavenly Bamboo Plumbago Upright Japanese Yew Amur Maple Harbour Dwarf-Heavenly Bamboo Carolina Jessamine Coral Bark Japanese Maple Heavenly Bamboo Cape Honevsuckle Sasangua Camellia Sago Palm Woadwaxen Tassel Fern Dwarf Japanese Maple Century Plant Feathery Cassia Wild Lilac Ross Estey-Hibiscus Rose-of-Sharon- Hear Nana Compacta-Heavenly Bamboo Nana Purpurea-Heavenly Bamboo Woods Dwarf Heavenly Bamboo Hollandia-Warminster Broom Cinquefoil Carolina Laurel Cherry Ternstroemia gymnanthera American Arborvitae Rose-of-Sharon- Red Bird Dwarf Pink Flowering Almond False Spirea Plum Yew Fragrant Daphne Emerald Arborvitae Japanese Painted Fern Snow-in-Summer Rose-of-Sharon- Woodbridge Hardy Red Oleander Pyracantha Globosa-Globe Arborvitae Hopseed Bush Coyotebush Kosteri Cypress Charisma-Monruce Rhaphiolepis Little Giant-Dwarf Arborvitae Holly Fruitland Silver Berry Ruby Lace Oleander Fortunes Osmanthus William Penn Barberry Nana-Dwarf Hinoki Cypress Mystery Gardenia Enchantress-Moness Rhaphiolepis Nigra-Dark American Arborvitae Torulosa Cypress Henry Garnet Holly Leaf Sweetspire Atropurea-Redleaf Japanese Barberry Filifera-Thread Cypress Mediterranean Pink Heathe Ixora Mockorange Springtime-Monme Rhaphiolepis Rheingold Arborvitae

Juniper Mountain Laurel Roundleaf Rhaphiolepis Cornish Heather Pigmy Date Palm Techny Arborvitae Fraser's Photinia Azalea/Rhododendron Aureus Nana-Dwarf Golden Arborvitae Winged Euonymus Crape Myrtle Lantana Canadale Gold Euonymus Japanese Andromeda Africa Sumac Minima Glauca-Dwarf Arborvitae Emerald'n Gold Euonymus Mountain Fire Lily-of-the-Valley Ramanas Rose Sunspot Euonymus Coast Leucothoe Snowdrift Lily-of-the-Valley Rosemary Virburnum

Japanese Skimmia Drooping Leucothoe Weigela Valley Rose Lily-of-the-Valley Reeve's Skimmia Xylosma Chinese Fountain Palm Valley Valentine Lily-of-the-Valley Anthony Waterer Spiraea Yucca Flowering Woodbine Forest Flame Lily-of-the-Valley

Dolchia Spiraea

**GROUND COVERS** 

Largeleaf Iceplant English Ivy White Lily Turf Wooly Yarrov Creeping Wirevine Dwarf Plumbago Trailing Rosea Iceplant Daylilly Rupturewort Albo-Marginata Hosta Lily-of-the-Nile Big Blue Lily Turl Myoporum Stonecrop (Sedum) Lilac Beauty Lily Turf Dwarf Mondo Grass Rockrose Magestic Lily Turf Mondo Grass Cape Weed Coreopsis Blue Fescue Asaian Jasmine Crown Vetch Aaronsbeard Silvery Sunproof Lily Turf Trailing African Daisy Strawberry, Beach Verbena St. Johnswort Asparagus Fern Pampas Grass Gazania Variegated Lirope Lily Turf Japanese Spurge Speedwell Rellflower Cotoneaster Golden Hakonechloa Angelwing Jasmine Green/Creeping Lily Turf Fountain Grass Periwinkle

Trailing Iceplant

Privet

**ESTABLISHED FLOWERS** 

Cornflower Sweet Alyssum Marigold, Cape Floss Flower Velvet Centaurea Balsam Lupine Phlox Lamb's Ears Sweet Sultan Portulaca Stoke's Aste Snow on the Mountain Impatiens Chrysanthemum Four O'Clock Marigold Gaillardia Snapdragor Ixora Rose African Daisy Forget-Me-Not Nicotiana Sweet Pea Blackeved Susar Nasturtium Morningglory Geum Dusty Miller Coreopsis Golden Glow Vinca Baby's Breath Poppy, California Aster (perennial) Cosmos Salvia Zinnia

ORNAMENTAL BULBS

This product may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. This product may also be applied following bulb emergence. For fall planted bulbs, apply this product again in later winter or early spring to weed-free soil surfaces

# NON-BEARING FRUIT AND NUT TREES AND NON-BEARING VINEYARDS IN ORNAMENTAL LANDSCAPING ONLY\*

Kiwi Lemon Pomegranate Fig Filbert Cherry, sour Peach Apple Prune Apricot Avocado Loganberry Raspberry Cherry, sweet Gooseberry Pear Currant Grape, American Macadamia Nut Pecan Blackberry Dewberry Grape, European Nectarine Pistachio Walnut, English Grapefruit

\*Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants which will not bear fruit for at least one year after treatment.

Silver King-Euonymus

Spreading Euonymus

Algerian Ivy

Variegated Evergreen Euonymus

## **NON-CROPLAND AREAS**

This product is recommended as a preemergence herbicide for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, highway guard rails, sign posts and delineators. Apply anytime prior to germination of target weeds. Areas to be treated should be free of established weeds or existing weeds should be controlled with postemergence herbicides. Refer to the "General Information" section prior to using this product on non-cropland.

# STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store product in its original container in a cool, dry, locked place out of the reach of children and animals.

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 container into application equipment. Then dispose of empty container in a sanitary landfill

# **WARRANTY DISCLAIMER**

The Manufacturer warrants that this product conforms to the chemical description of the label and is reasonably fit for the purpose stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. THE MANUFACTURER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESSED OR IMPLIED

# **INHERENT RISKS OF USE**

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Manufacturer or the Seller. All such risks shall be assumed by Buyer.

# WARRANTY

The Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions not reasonably foreseeable to Manufacturer, and Buver assumes the risk of any such use. Manufacturer, and Buyer assumes the risk of any such use



Aurea-Golden Japanese Barberry

Crimson Pygmy Barberry

Rose Glow Barberry

Barbara Karst California Gold

Scarlet O'Hara

Temple Fire

Texas Dawn

Variegated Carex

Pink Pixie

Areca Palm

Summersweet

Japanese Cleyera

Sibirica-Siberian Dogwood

Baileyi Red Osier Dogwood

Royal Purple Smoke Tree

Coral Beauty Smoke Tree

Eichholz Smoke Tree

White Iceplant

Flaviramea-Yellowtwig Dogwood

