

NET WT. 40 LBS. (18.15 kg)

LEBANON **LEBANON** **36683**
TREFLAN* 5G
CONTAINS TREFLAN* HERBICIDE

ACTIVE INGREDIENT:
*trifluralin: a,a,a-trifluoro-2,6-dinitro N-N-dipropyl-p-toluidine 5.0%
INERT INGREDIENTS: 95.0%
TOTAL 100.0%

*Trademark of Dow AgroSciences LLC. (L) (D)
EPA Reg. No. 961-405 EPA Est. 961-PA-01: 961-IL-01
Contains 2 pound active ingredient per 40 pound bag. Superscript used is first letter of lot number.
Manufactured using the processes of U.S. Patents 4,120,905 and 4,226,789.

MANUFACTURED BY:
LEBANON SEABOARD CORPORATION
1600 EAST CUMBERLAND STREET
LEBANON, PA 17042 www.lebsea.com



TREFLAN* is a selective 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
- Noncropland
- Under Paved Surfaces

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Refer to back panel of bag for precautionary information and Directions for Use including STORAGE AND DISPOSAL. 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 eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing particulate material and contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove clothing and wash before reuse. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID

IF IN EYES: Flush eyes with plenty of water. Call a physician.

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation develops.

IF INHALED: Remove individual to fresh air. If breathing difficulty occurs, get medical attention. If not breathing, provide cardiopulmonary resuscitation (mouth-to-mouth) and get medical attention immediately.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water when disposing of equipment washwaters.

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 TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOD, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES.

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.

ENTRY RESTRICTIONS

Do not allow people or pets to enter the treated area until dusts have settled. If watering-in is required after the application, do not enter or allow others to enter the treated areas (except those involved in the watering) until the watering-in is complete and the surface is dry.

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, noncropland and under paved surfaces. 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. 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	Cupgrass, Southwestern	Goosegrass	Cat, Wild	Signalgrass
Barnyardgrass (watergrass)	Cheat	Fescue, rattail	Junglerice	Panicum, fall	Sprangletop, Mexican
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	Kochia	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
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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.

CONTAINS TREFLAN* HERBICIDE

APPROVED USES

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.

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 and non-bearing vineyards in ornamental landscaping. 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:

TREES

Balsam Fir	European White Birch	Kousa Dogwood	Honey Locust
White Fir	Bottle Tree	Green Hawthorn	Shadblower Honey Locust
Albus Flowering Maple	Black Olive	Carrt Wood	Teyon
Luteus Flowering Maple	Chinese Chestnut	Arizona Cypress	Florida Anisee-Tree
Roseus Flowering Maple	Carob	Russian Olive	Eastern Red Cedar
Tangerine Flowering Maple	Redbud	Redgum Eucalyptus	Japanese Larch
Vesuvius Red-Flowering Maple	Filicoides-Fernspray Cypress	Mealy Eucalyptus	American Sweet Gum
Flama Maple	Gracilis-Slender Hinoki Cypress	Silver Dollar Eucalyptus	Tulipree
Norway Maple	Suzara False Cypress	Coolbark Tree	Southern Magnolia
Red Maple	Squarrosa-Moss Cypress	Red Ironbark Eucalyptus	Cratogeomys
Red Sunsel Maple	Palm (<i>Chamaedorea caroliniana</i>)	Ficus	White Mulberry
Silver Maple	Palm (<i>Chamaedorea costaricensis</i>)	Miri Ficus	Banana
Sugar Maple	Cloud Nine Dogwood	White Palm	Blackgum
Queen Palm	River Birch	Sharna Ash	Sourwood
River Birch	Flowering Dogwood	Ginkgo-Maidenhair Tree	Norway Spruce

ORNAMENTAL SHRUBS

Edward Goucher Abelia	Japanese Boxwood	Praecox-Early Cotoneaster	Pineapple Glava
Glossy Abelia	Korean Boxwood	Cranberry Cotoneaster	Forsythia
Alysicarka Acacia	Common Boxwood	Pyramis Cotoneaster	August Beauty Gardenia
Prostratae Acacia	Lemon Bottlebrush	Beachberry Cotoneaster	Gardenia
Shoestring acacia	Weeping Bottlebrush	Himalayan Cotoneaster	Pinkcan Gardenia
Copper Leaf	Springs Torch Scotch Heather	Rock Cotoneaster	Salt/Lemon Leaf
Amur Maple	Japanese Carnelia	Zabel Cotoneaster	Carolina jessamine
Coral Bark Japanese Maple	Sasayuki Carnelia	Sago Palm	Woodwaxen
Dwarf Japanese Maple	Seashore Carnelia	Hollander-Warmminster Broom	Rose-of-Sharon-Heart
Century Plant	Wild Liliac	Lans Scotch Broom	Rose-of-Sharon-Red Bird
Japanese Paritied Fern	Plum Yew	Fragrant Daphne	Rose-of-Sharon-Woodbridge
Japanese Spraea	Snow-in-Summer	Deutzia	Holly
Corchobush	Koshai Cypress	Hopseed Bush	Mystery Gardenia
William Penn Barberr	Nana-Dwarf Hinoki Cypress	Frilled Silver Berry	Henry Garnet Holly
Mentor Barberr	Tanaka Cypress	Purple Ball Heather	Lead Sweetspire
Aitropurea-Redleaf Japanese Barberr	Filifera-Thread Cypress	Mediterranean Pink Heather	Kora

Pendula-Weeping Norway Spruce	Monterey Pine	Scarlet Oak
Repens-Spreading Norway Spruce	Red Pine	Bear Oak
Dwarf Alberta Spruce	White Pine	Pin Oak
White spruce	Colmar Scotch Pine	Willow Oak
Dwarf Globe Blue Spruce	Scott Pine	Red Oak
Glauca-Cobrado Blue Spruce	Lobby Pine	Live Oak
Hoopsii-Hoop's Blue Spruce	Japanese Black Pine	Black Locust
Koster-Koster Blue Spruce	London Planetree	Willow
Bristlecone Pine	American Sycamore	Giant Sequoia
Canary Island Pine	California Sycamore	Yellow Tab
Stone Pine, Beach Pine	Podocarpus	Bandopress
Eldarica Pine	Edisonwood	Eastern Hemlock
Bosnian Pine	Chilean Mesquite	Chinese Elm
Pumilio-Shubby Swiss Mountain Pine	Yoshino Flowering Cherry	Mexican Fan Palm
Austrian Black Pine	Douglasfir	
Serotina Woodbine	Mugo-Mugno Pine	Japanese Alpina Spraea
Tumpeii Honey-suckle	Green Pittosporum	Shirohana Spraea
Leather Leaf Malvonia	Japanese Pittosporum	Bridal Wraith
Creeping Malvonia	Wheeler's Dwarf Pittosporum	Chinese Liliac
Wax Myrtle	Blue Cape Plumbrago	Common Liliac
Compaeda-Dwarf Heavenly Bamboo	Plumbago	Upright Japanese Yew
Harbour Dwarf-Heavenly Bamboo	Yewpine	Anglopat Yew
Heavenly Bamboo	Tassel Fern	Cape Honysuckle
Nana Compacta-Heavenly Bamboo	Cinquifolii	<i>Ternstroemia gymnanthera</i>
Nana Purpurea-Heavenly Bamboo	Carolina Laurel Cherry	American Arborvitae
Woods Dwarf Heavenly Bamboo	Dwarf Pink Flowering Almond	Emerald Arborvitae
Hardy Red Oleander	Pyracantha	Globosa-Globe Arborvitae
Oleander	Charisma-Morrose Rhiphiopsis	Little Giant-Dwarf Arborvitae
Ruby Lace Oleander	Enchantress-Morrose Rhiphiopsis	Nigra-Dark American Arborvitae
Fortunes Osmanthus	India Hawthorn	Pyramidalis-Pyramid Arborvitae
Mockorange	Springtime-Morrose Rhiphiopsis	Rheingold Arborvitae

Chimney Pigmy Barberr
 Rose Glow Barberr
 Barbara Karst
 California Gold
 Pink Pine
 Scarlet O'Hara
 Temple Fire
 Texas Dawn

Summersweet
 Japanese Cleypera
 Siberica-Siberian Dogwood
 Balsam/ Red Cedar Dogwood
 Flavrana- Yellowwing Dogwood
 Royal Purple Smoke Tree
 Coral Beauty Smoke Tree
 Echholz Smoke Tree

Winged Euonymus
 Canadale Gold Euonymus
 Emerald/ Gold Euonymus
 Sunspot Euonymus
 Wintercreeper Euonymus
 Silver King Euonymus
 Variegated Evergreen Euonymus
 Spreading Euonymus

GROUND COVERS

Woolly yarrow
 Lily-of-the-Nile
 Beedgrass
 Cape Weed
 Thirt
 Asparagus Fern
 Bellflower
 Variegated Carex

Largeleaf loeplant
 Dwarf Plumbargo
 Rockrose
 Coroposs
 Crown Veich
 Pampas Grass
 Cotoneaster
 White loeplant

Descampesia
 Trailing Rosea loeplant
 loeplant
 Blue Fescue
 Strawberry, Beach
 Gazania
 Golden Hakonechloa
 Algerian Ivy

ESTABLISHED FLOWERS

Yarrow
 Floss Flower
 Alyssum
 Snapdragon
 African Daisy
 Dusty Miller
 Aster (perennial)
 Calceola

Corioller
 Velvet Centaurea
 Sweet Sultan
 Chrysanthemum
 Morningglory
 Coroposs
 Cosmos
 Dahlia

English Ivy
 Daylily
 Rururwort
 Aho-Margnata Hosta
 Aarotsbeard
 St. Johnswort
 Angewing Jasmine
 Trailing loeplant

ORNAMENTAL BULBS

Almond
 Apple
 Apricot
 Avocado
 Blackberry
 Blueberry

Dianthus
 Marigold, Cape
 Snow on the Mountain
 Gaillardia
 Geum
 Galadibus
 Baby's Breath

White Lily Turf
 Big Blue Lily Turf
 Liliac Beauty Lily Turf
 Magestic Lily Turf
 Silvery Sunproof Lily Turf
 Variegated Lorange Lily Turf
 Green/Creeeping Lily Turf
 Eulalia Grass

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

Boyseberry
 Cherry, sour
 Cherry, sweet
 Currant
 Dewberry
 Elderberry

Fig
 Filbert
 Gooseberry
 Grape, American
 Grape, European
 Grapefruit

Creeping Wivreine
 Myoporum
 Dwarf Mondo Grass
 Mondo Grass
 Trailing African Daisy
 Japanese Spurge
 Fountain Grass

NON-CROPLAND AREAS

*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.

USE UNDER PAVED SURFACES

Kwi
 Lemon
 Logberry
 Macadamia Nut
 Nectarine
 Olive

Retunia
 Phlox
 Portulaca
 Rose
 Blackeyed Susan
 Golden Glow
 Salvia

Site Preparation

This product should be used only where the area to be treated has been prepared according to good construction practices. If rhizomes, stolons, tubers or other vegetative plant parts are present in the site, they should be removed by scalping with grader blade to a depth sufficient to ensure their complete removal.

Application

Applications should be made only when the final grade is established or after additions of base rock. Do not move soils following application and do not apply to areas where asphalt is to be laid directly on top of soil.
 Paving should follow applications as soon as possible.
 Apply this product to ensure thorough coverage of the base rock layer. Apply with any granular applicator that will apply uniformly.

STORAGE AND DISPOSAL

APPLY THE FOLLOWING AMOUNT OF THIS PRODUCT

Amount of Treflan 5G	
Per Acre	Per 1000 Sq. Ft.
240 - 320 Lbs.	5.5 - 7.3 Lbs.

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Keep in original container in a cool, dry area, away from extreme heat and direct sunlight. Do not store near food, feed, seeds or other pesticides. Store in original container only. In case of leak or spill, contain material and dispose of as waste.
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.

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 WARRANTY.

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 Buyer assumes the risk of any such use.