



Lebanon TREFLAN® 5G Herbicide is a selective preemergence herbicide for control of certain annual grasses and broadleaf weeds in:

- Container Grown Ornamentals
 Ground Covers Landscape Ornamentals
 - Established Flowers
- Non-Bearing Fruit and Nut Trees and Non-Bearing **Vineyards in Ornamental Landscaping**

- Nursery Stock
- Ornamental Bulbs
- Noncropland

ACTIVE INGREDIENT:

trifluralin 5.0% OTHER INGREDIENTS: 95.0% **TOTAL** 100.0% Contains 2 pounds active ingredient per 40 pound bag.

EPA Reg. No. 961-405

Treflan® is a registered trademark of Gowan Company, LLC Manufactured using the processes of U.S. Patents 4,120,905 and 4,226,789.

EPA Est. No. 961-PA-01:961-IL-01 Superscript used is first letter of lot number.

KEEP OUT OF REACH OF CHILDREN CAUTION

Refer to back panel of bag for additional 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 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

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.

 Binse 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):

 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.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label

DIRECTIONS 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. WEED RESISTANCE MANAGEMENT

For resistance management, Lebanon Treflan® 5G is a Group 3 herbicide. Any weed population may contain certain or develop plants naturallly resistant to Lebanon Treflan® 5G and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

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

Rotate the use Lebanon Treflan® 5G or other Group 3 herbicides within a growing season with different herbicide groups that control the same weeds.

Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of noncontrolled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning equipment.

If weed population contunues to progress after treatment with this product, discontuine use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.

Contact your local extention specialist, pest control advisor, or local extention specialist for additional pesticide resistance management and/or integrated weed management recommendations for plants and weed biotypes.

ENTRY RESTRICTIONS

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.

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. (18.14 KG)

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 ornamentals 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 or incorporation using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil is required to activate this product. Optimum weed control will be obtained when followed by overhead irrigation or rainfall within a few hours after surface application. Do not apply when wind conditions favor drift of the granules from the target area

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 Signalgrass Stinkgrass Oat, Wild Barnyardgrass (watergrass) Cheat Cupgrass, Southwestern Foxtail Junglerice Sandbur, field Sprangletop, Mexican Witchgrass Bluegrass, annual **ANNUAL BROADLEAF WEEDS**

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

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.). Puslev. Florida Carpetweed Johnsongrass (from seed)

Panicum, Texas Shattercane

APPLICATION DIRECTIONS

Apply this product using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment by 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.

This product must be soil-incorporated within 24 hours of application either by at least 0.5 acre inch of water (rainfall, irrigation) or mechanical incorporation is needed it should be delayed 3 to 5 days after the first incorporation and be completed prior to planting

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

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

Monterey Pine Balsam Fir European White Birch Kousa Dogwood Honey Locust Pendula-Weeping Norway Spruce Scarlet Oak Repens-Spreading Norway Spruce White Fir **Bottle Tree** Green Hawthorn Shademaster Honey Locust Red Pine Bear Oak Albus Flowering Maple Black Olive Carrot Wood **Dwarf Alberta Spruce** White Pine Pin Oak Toyon 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 Tangerine Flowering Maple Redgum Eucalyptus Redbud Japanese Larch Glauca-Colorado Blue Spruce 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 Flame Maple Gracilis-Slender Hinoki Cypress Silver Dollar Eucalyptus Tuliptree Koster-Koster Blue Spruce London Planetree Willow Norway Maple Swara False Cypress Coolibah Tree Southern Magnolia Bristlecone Pine American Sycamore Giant Sequoia Red Maple Squarrosa-Moss Cypress Red Ironbark Eucalyptus Crabapple Canary Island Pine California Sycamore Mahogany Red Sunset Maple Palm (Chamaedorea cataractarum) Ficus White Mulberry Shore Pine, Beach Pine Podocarpus Yellow Tab Palm (Chamaedorea costaricana) Mini Fucus Banana Eldarica Pine Cottonwood Baldcypress Parlor Palm White Ash Blackgum Bosnian Pine Chilean Mesquite Eastern Hemlock Pumilio-Shrubby Swiss Mountain Pine Cloud Nine Dogwood Shamel Ash Yoshino Flowering Cherry Chinese Elm Sourwood Ginko-Maidenhair Tree Flowering Dogwood Norway Spruce Austrian Black Pine Douglasfir Mexican Fan Palm ORNAMENTAL SHRUBS Serotina Woodbine Mugo-Mugho Pine

Silver Maple Sugar Maple Queen Palm River Birch Paper Birch Edward Goucher Abelia Japanese Boxwood Praecox-Early Cotoneaster Cranberry Cotoneaster Glossy Abelia Korean Boxwood Abyssinica Acacia Common Boxwood Pyrenees Cotoneaster Prostrate Acacia Lemon Bottlebrush Bearberry Cotoneaster Shoestring Acacia Weeping Bottlebrush Himalayan Cotoneaster Spring Torch Scotch Heather Copper Leaf **Rock Cotoneaster** Amur Maple Japanese Camellia Zabel Cotoneaster Coral Bark Japanese Maple Sasangua Camellia Sago Palm Dwarf Japanese Maple Hollandia-Warminster Broom Feathery Cassia Lena-Scotch Broom Century Plant Wild Lilac Fragrant Daphne False Spirea Plum Yew Japanese Painted Fern Snow-in-Summer Deutzia Hopseed Bush Covotebush Kosteri Cypress William Penn Barberry Nana-Dwarf Hinoki Cypress Fruitland Silver Berry Purple Bell Heather Mentor Barberry Torulosa Cypress Atropurea-Redleaf Japanese Barberry Filifera-Thread Cypress Mediterranean Pink Heather Aurea-Golden Japanese Barberry Cornish Heather Areca Palm Crimson Pygmy Barberry Summersweet Winged Euonymus Rose Glow Barberry Japanese Cleyera Canadale Gold Euonymus Barbara Karst Sibirica-Siberian Dogwood Emerald'n Gold Euonymus California Gold Baileyi Red Osier Dogwood Sunspot Euonymus Pink Pixie Flaviramea-Yellowtwig Dogwood Wintercreeper Euonymus

Royal Purple Smoke Tree

Coral Beauty Smoke Tree

Eichholz Smoke Tree

Silver King-Euonymus Variegated Evergreen Euonymus Spreading Euonymus Flowering Woodbine

Pineapple Guava Forsythia Trumpet Honeysuckle August Beauty Gardenia Leather Leaf Mahonia Gardenia Creeping Mahonia Radican Gardenia Wax Myrtle Compacta-Dwarf Heavenly Bamboo Salal/Lemon Leaf Harbour Dwarf-Heavenly Bamboo Carolina Jessamine Woadwaxen Ross Estey-Hibiscus Rose-of-Sharon- Heart Rose-of-Sharon- Red Bird Rose-of-Sharon- Woodbridge Holly Mystery Gardenia Henry Garnet Holly Leaf Sweetspire Ixora Juniper Mountain Laurel Crape Myrtle Lantana Coast Leucothoe **Drooping Leucothoe** Privet Chinese Fountain Palm

Heavenly Bamboo Nana Compacta-Heavenly Bamboo Nana Purpurea-Heavenly Bamboo Woods Dwarf Heavenly Bamboo Hardy Red Oleander Oleander Ruby Lace Oleander Fortunes Osmanthus Mockorange Pygmy Date Palm Fraser's Photinia Japanese Andromeda Mountain Fire Lily-of-the-Valley Snowdrift Lily-of-the-Valley Templebells Lily-of-the-Valley Valley Rose Lily-of-the-Valley Valley Valentine Lily-of-the-Valley Forest Flame Lily-of-the-Valley

Japanese Pittosporum Wheeler's Dwarf Pittosporum Blue Cape Plumbago Plumbago Yewpine Tassel Fern Cinquefoil Carolina Laurel Cherry Dwarf Pink Flowering Almond Pyracantha Charisma-Monruce Rhaphiolepis **Enchantress-Moness Rhaphiolepis** India Hawthorn Springtime-Monme Rhaphiolepis Roundleaf Rhaphiolepis Azalea/Rhododendron Africa Sumac Ramanas Rose Rosemary Japanese Skimmia Reeve's Skimmia Anthony Waterer Spiraea Dolchia Spiraea

Green Pittosporum

Japanese Alpine Spiraea Shirobana Spiraea **Bridal Wreath** Chinese Lilac Common Lilac Upright Japanese Yew Anglojap Yew Cape Honevsuckle Ternstroemia gymnanthera American Arborvitae **Emerald Arborvitae** Globosa-Globe Arborvitae Little Giant-Dwarf Arborvitae Nigra-Dark American Arborvitae Pyramidalis-Pyramid Arborvitae Rheingold Arborvitae Techny Arborvitae Aureus Nana-Dwarf Golden Arborvitae Minima Glauca-Dwarf Arborvitae Christmas Palm Virburnum Weigela

GROUND COVERS

Largeleaf Iceplant Wooly Yarrow Dwarf Plumbago Lilv-of-the-Nile Beechgrass Rockrose Cape Weed Coreopsis Crown Vetch Thrift Asparagus Fern Pampas Grass Bellflower Cotoneaster Variegated Carex White Iceplant

Scarlet O'Hara

Temple Fire

Texas Dawr

Strawberry, Beach Gazania Golden Hakonechloa Algerian Ivy Dianthus Marigold, Cape Gaillardia

Descampsia

Blue Fescue

Iceplant

Trailing Rosea Iceplant

English Ivy Daylilly Rupturewort Albo-Marginata Hosta Aaronsbeard St. Johnswort Angelwing Jasmine Trailing Iceplant

White Lily Turf Big Blue Lily Turf Lilac Beauty Lily Turf Magestic Lily Turf Silvery Sunproof Lilv Turl Variegated Lirope Lily Turf Green/Creeping Lily Turf Eulalia Grass

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

Ribbon Grass Stonecrop (Sedum) Germander Asian Jasmine Verbena Speedwell Periwinkle

Xylosma

Yucca

ESTABLISHED FLOWERS

Cornflower Sunflower Sweet Alyssum Petunia Pincushion Flower Yarrow Floss Flower Velvet Centaurea Balsam Phlox Lamb's Ears Lupine Snow on the Mountain Stock (matthiola) Portulaca Sweet Sultan Impatiens Stoke's Aster Alyssum Snapdragon Chrysanthemum Four O'Clock Rose Marigold Ixora Morningglory African Daisy Sweet Pea Forget-Me-Not Blackeyed Susan Nasturtium Geum Coreopsis **Dusty Miller** Gladiolus Statice Nicotiana Golden Glow Vinca Aster (perennial) Cosmos Baby's Breath Lobelia Poppy, California Zinnia Calendula

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 NUTTREES AND NON-BEARING VINEYARDS IN ORNAMENTAL LANDSCAPING ONLY*

Almond Boysenberry Pomegranate Prune Apple Cherry, sour Lemor Apricot Gooseberry Loganberry Raspberry Cherry, swee Pear Walnut, black Grape, American Macadamia Nut Avocado Currant Pecan Blackberry Dewberry Grape, European Nectarine Pistachio Walnut, English Elderberry

*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.

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. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty 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 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.