



Treflan[®] 5G

Herbicide



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

Contains 2 pounds active ingredient per 40 pound bag.
 U.S. Patent 4,226,789
 *TREFLAN and the TREFLAN logo are trademarks of Dow AgroSciences, LLC

A selective, preemergence herbicide for the 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, Christmas Tree Plantations, Non-cropland, and Under Paved Surfaces.

KEEP OUT OF REACH OF CHILDREN

CAUTION PRECAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Below for Additional Precautionary Statements

EPA REG. NO. 62719-98-65783

(L) (D)
 EPA EST. NO. 961-PA-01:961-IL-01
 Superscript used is first letter of lot number.
 or EPA EST. NO. 08590-PA-76

NET WEIGHT 40 LBS. (18.14 KG)

IHT

01/04

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves such as butyl rubber >11 mils; or natural rubber > 14 mils; or neoprene rubber > 14 mils; or nitrile rubber > 14 mils and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:
 Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by 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 A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

Notice: Read the entire label. Use only according to label directions. Before using this product, read "Warranty Disclaimer," "Inherent Risks of Use," and "Limitation of Remedies" at end of label booklet. If terms are unacceptable, return at once unopened.

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the

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Agricultural Use Requirements cont'd.:

statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container only. In case of leak or spill, contain material and dispose 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.

GENERAL INFORMATION

TREFLAN 5G HERBICIDE 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, Christmas tree plantations, noncropland, and under paved surfaces. Apply this product 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 of this product. Do not apply over 240 pounds 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 Treflan 5G 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.

Do not aerially apply this product.

Weeds controlled by TREFLAN 5G HERBICIDE when applied at 80 lb/acre (1.8 lb/1000 sq ft)

Common Name	Scientific Name
barley, hare	<i>Hordeum leporinum</i>
barnyardgrass (watergrass)	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
brome	<i>Bromus</i> spp.
cheat	<i>Bromus secalinus</i>
crabgrass	<i>Digitaria</i> spp.
cupgrass, southwestern	<i>Eriochloa gracilis</i>
fescue, rattail	<i>Vulpia myuros</i>
foxtail	<i>Setaria</i> spp.
goosegrass	<i>Eleusine indica</i>
jungerice	<i>Echinochloa colonum</i>
lovegrass	<i>Eragrostis</i> spp.

Common Name	Scientific Name
oat, wild	<i>Avena fatua</i>
panicum, fall	<i>Panicum dichotomiflorum</i>
sandbur, field	<i>Cenchrus incertus</i>
signalgrass	<i>Brachiaria</i> spp.
sprangletop, Mexican	<i>Leptochloa univervia</i>
stinkgrass	<i>Eragrostis cilianensis</i>
witchgrass	<i>Panicum capillare</i>

Annual Broadleaf Weeds

Common Name	Scientific Name
chickweed, common	<i>Stellaria media</i>
goosefoot, nettleleaf	<i>Chenopodium murale</i>
knotweed, prostrate	<i>Polygonum aviculare</i>
kochia	<i>Kochia scoparia</i>
lambsquarters, common	<i>Chenopodium album</i>
nettle, stinging	<i>Urtica dioica</i>
pigweed	<i>Amaranthus</i> spp.
purslane, common	<i>Portulaca oleracea</i>
thistle, Russian	<i>Salsola iberica</i>

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

Common Name	Scientific Name
carpetweed	<i>Mollugo verticillata</i>
johnsongrass (from seed)	<i>Sorghum halepense</i>
panicum, Texas	<i>Panicum texanum</i>
pusley, Florida	<i>Richardia scabra</i>
shattercane	<i>Sorghum bicolor</i>

Application Directions

Apply TREFLAN 5G HERBICIDE 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 for Applying TREFLAN 5G HERBICIDE

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 and Non-bearing Vineyards and Christmas Tree Plantations

TREFLAN 5G HERBICIDE 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 and Christmas tree plantations. Apply this product 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 TREFLAN 5G HERBICIDE to:

- nursery forest or Christmas tree seedling beds, cutting beds, or transplant beds
- 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 TREFLAN 5G HERBICIDE to newly transplanted ornamentals, nursery stock, ground covers, flowers and non-bearing fruit and nut crops and non-bearing vineyards 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 TREFLAN 5G HERBICIDE to areas where gladioli corms 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 pounds per acre total of this product within a 12 month period.

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Users who wish to use TREFLAN 5G HERBICIDE on plant species not recommended on this label may determine suitability for such uses by making trial application of this product at a recommended rate to small number of plants. Prior to using this product on a larger 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 TREFLAN 5G HERBICIDE on plant species not recommended on this label.**

TREFLAN 5G HERBICIDE May Be Used On The Following Established Plant Species When Container Grown or Field Grown:

Scientific Name	Trees Common Name
<i>Abies balsamea</i>	Balsam fir
<i>Abies concolor</i>	White fir
<i>Abutilon hybridum</i>	Albus-flowering maple Luteus-flowering maple Roseus-flowering maple Tangerine-flowering maple Vesuvius red-flowering maple
<i>Acer ginnala</i>	Flame maple
<i>Acer platanoides</i>	Norway maple
<i>Acer rubrum</i>	Red maple Red sunset maple
<i>Acer saccharinum</i>	Silver maple
<i>Acer saccharum</i>	Sugar maple
<i>Areacastrum romanzoffianum</i>	Queen palm
<i>Betula nigra</i>	River birch
<i>Betula papyrifera</i>	Paper birch
<i>Betula pendula</i>	European white birch
<i>Brachychiton populneus</i>	Bottle tree
<i>Bucida buceras</i>	Black olive
<i>Castanea mollissima</i>	Chinese chestnut
<i>Ceratonia siliqua</i>	Carob
<i>Cercis canadensis</i>	Redbud
<i>Chamaecyparis obtusa</i>	Filicoides-fernspray cypress Gracilis-slender Hinoki cypress
<i>Chamaecyparis pisifera</i>	Swara false cypress Squarrosa-moss cypress
<i>Chamaedorea cataractarum</i>	Palm
<i>Chamaedorea costaricana</i>	Palm
<i>Chamaedorea elegans</i>	Parlor Palm
<i>Cornus florida</i>	Cloud nine dogwood Flowering dogwood
<i>Cornus kousa</i>	Dogwood, kousa
<i>Crataegus viridis</i>	Green hawthorn
<i>Cupaniopsis anacardioides</i>	Carrot wood
<i>Cupressus glabra</i>	Arizona cypress
<i>Elaeagnus angustifolia</i>	Russian olive
<i>Eucalyptus camaldulensis</i>	Redgum eucalyptus
<i>Eucalyptus cinerea</i>	Mealy eucalyptus
<i>Eucalyptus microtheca</i>	Silver dollar eucalyptus
<i>Eucalyptus sideroxylon</i>	Coolibah tree
<i>Ficus benjamina</i>	Red ironbark eucalyptus Ficus Mini ficus
<i>Fraxinus americana</i>	White ash
<i>Fraxinum udhei</i>	Shamel ash
<i>Ginko biloba</i>	Ginko-maidenhair tree
<i>Gleditsia triacanthos</i>	Honey locust Shademaster honey locust
<i>Heteromeles arbutiflor</i>	Toyon
<i>Illicium floridanum</i>	Florida anise-tree
<i>Juniperus virginiana</i>	Eastern red cedar
<i>Larix kaempferi</i>	Japanese larch
<i>Liquidambar styraciflua</i>	American sweet gum
<i>Liriodendron tulipifera</i>	Tuliptree
<i>Magnolia</i> spp.	Magnolia
<i>Malus</i> spp.	Crabapple
<i>Morus alba</i>	White mulberry
<i>Musa aluminata</i>	Banana
<i>Nyssa sylvatica</i>	Blackgum
<i>Oxydendrum arboreum</i>	Sourwood
<i>Picea abies</i>	Norway spruce Pendula-weeping Norway spruce Repens-spreading Norway spruce
<i>Picea glauca conica</i>	Dwarf Alberta spruce
<i>Picea glauca</i>	White spruce

Scientific Name	Common Name
<i>Picea pungens</i>	Dwarf globe blue spruce Glauca-Colorado blue spruce Hoopsii-Hoop's blue spruce Koster-Koster blue spruce
<i>Pinus aristata</i>	Bristlecone pine
<i>Pinus canariensis</i>	Canary Island pine
<i>Pinus contorta</i>	Shore pine, beach pine
<i>Pinus eldarica</i>	Eldarica pine
<i>Pinus leucodermis</i>	Bosnian pine
<i>Pinus mugo</i>	Pumilio-shrubby swiss mountain pine
<i>Pinus nigra</i>	Austrian black pine
<i>Pinus radiata</i>	Monterey pine
<i>Pinus resinosa</i>	Red pine
<i>Pinus taeda</i>	Loblolly pine
<i>Pinus strobus</i>	White pine
<i>Pinus sylvestris</i>	Columnar Scotch pine Scotch pine Japanese black pine London planetree
<i>Pinus thunbergiana</i>	American sycamore
<i>Platanus acerifolia</i>	California sycamore
<i>Platanus occidentalis</i>	Podocarpus
<i>Platanus racemosa</i>	Cottonwood
<i>Podocarpus</i> spp.	Chilean mesquite
<i>Populus deltoides</i>	Yoshino flowering cherry
<i>Prosopis chilensis</i>	Douglasfir
<i>Prunus yedoensis</i>	Scarlet oak
<i>Pseudotsuga menziesii</i>	Bear oak
<i>Quercus coccinea</i>	Pin oak
<i>Quercus ilicifolia</i>	Willow oak
<i>Quercus palustris</i>	Red oak
<i>Quercus phellos</i>	Live oak
<i>Quercus rubra</i>	Black locust
<i>Quercus virginiana</i>	Willow
<i>Robinia pseudoacacia</i>	Giant sequoia
<i>Salix</i> spp.	Mahogany
<i>Sequoiadendron giganteum</i>	Yellow tab
<i>Swietenia mahogani</i>	Baldcypress
<i>Tabebuia caraiba</i>	Linden
<i>Taxodium distichum</i>	Eastern hemlock
<i>Tilia</i> spp.	Chinese elm
<i>Tsuga canadensis</i>	Mexican fan palm
<i>Ulmus parvifolia</i>	
<i>Washingtonia robusta</i>	

Ornamental Shrubs

Scientific Name	Common Name
<i>Abelia grandiflora</i>	Edward Goucher abelia Glossy abelia
<i>Acacia abyssinica</i>	Abysinnica acacia
<i>Acacia redolens</i>	Prostrate acacia
<i>Acacia stenophylla</i>	Shoestring acacia
<i>Acalypha wilkesiana</i>	Copper leaf
<i>Acer ginnala</i>	Amur maple
<i>Acer palmatum</i>	Coral bark Japanese maple Dwarf Japanese maple
<i>Agave americana</i>	Century plant
<i>Astilbe chinensis</i>	False spiraea
<i>Athyrium nipponimcum</i>	Japanese painted fern
<i>Baccharis pilularis</i>	Coyotebush
<i>Berberis gladwynensis</i>	William Penn barberry
<i>Berberis mentorensis</i>	Mentor barberry
<i>Berberis thunbergii</i>	Atropurea-redleaf Japanese barberry Aurea-golden Japanese barberry
<i>Bougainvillea</i> spp.	Crimson pygmy barberry Rose glow barberry Barbara Karst California gold Pink pixie Scarlet O'Hara Temple fire Texas dawn
<i>Buxus microphylla japonica</i>	Japanese boxwood
<i>Buxus microphylla Koreana</i>	Korean boxwood
<i>Buxus sempervirens</i>	Common boxwood
<i>Callistemon citrinus</i>	Lemon bottlebrush
<i>Callistemon viminalis</i>	Weeping bottlebrush
<i>Calluna vulgaris</i>	Spring torch scotch heather
<i>Camellia sasanqua</i>	Sasanqua camellia
<i>Camellia japonica</i>	Japanese camellia
<i>Cassia artemisioides</i>	Feathery cassia
<i>Ceanothus</i> spp.	Wild lilac
<i>Cephalotaxus drupacae</i>	Plum yew
<i>Cerastium tomentosum</i>	Snow-in-summer
<i>Chamaecyparis obtusa</i> spp.	Kosteri cypress Nana-dwarf Hinoki cypress Torulosa cypress

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Scientific Name	Common Name
<i>Chamaecyparis pisifera</i>	Filifera-thread cypress
<i>Chrysalidocarpus lutescens</i>	Areca palm
<i>Clethra alnifolia</i>	Summersweet
<i>Cleyera japonica</i>	Japanese cleyera
<i>Cornus alba</i>	Sibirica-Siberian dogwood
<i>Cornus stolonifera</i>	Baileyi red osier dogwood Flaviramea-yellowtwig dogwood
<i>Cotinus coggygria</i>	Royal purple smoke tree
<i>Cotinus dammeri</i>	Coral beauty smoke tree Eichholz smoke tree
<i>Cotoneaster adpressus</i>	Praecox-early cotoneaster
<i>Cotoneaster apiculatus</i>	Cranberry cotoneaster
<i>Cotoneaster congestus</i>	Pyrenees cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry cotoneaster
<i>Cotoneaster himalayan</i>	Himalayan cotoneaster
<i>Cotoneaster horizontalis</i>	Rock cotoneaster
<i>Cotoneaster zabelii</i>	Zabel cotoneaster
<i>Cycas revoluta</i>	Sago palm
<i>Cytisus praecox</i>	Hollandia-warminster broom
<i>Cytisus scoparius</i>	Lena-Scotch broom
<i>Daphne odora</i>	Fragrant daphne
<i>Deutzia</i> spp.	Deutzia
<i>Dodonea viscosa</i>	Hopseed bush
<i>Elaeagnus pungens</i>	Fruitland silver berry
<i>Erica cinerea</i>	Purple bell heather
<i>Erica x darleyensa</i>	Mediterranean pink heather
<i>Erica vagans</i>	Cornish heather
<i>Euonymus alatus</i>	Winged euonymus
<i>Euonymus fortunei</i>	Canadale gold euonymus Emerald'n gold euonymus Sunspot euonymus Wintercreeper euonymus Silver king-euonymus
<i>Euonymus japonica</i>	Variiegated evergreen euonymus
<i>Euonymus kiautschovica</i>	Spreading euonymus
<i>Feijoa sellowiana</i>	Pineapple guava
<i>Forsythia</i> spp.	Forsythia
<i>Gardenia jasminoides</i>	August beauty gardenia Gardenia Radican gardenia
<i>Gaultheria shallon</i>	Salal/lemon leaf
<i>Gelsemium sempervirens</i>	Carolina jessamine
<i>Genista pilosa</i>	Woadwaxen
<i>Hibiscus rosa-sinensis</i>	Ross Estey-hibiscus
<i>Hibiscus syriacus</i>	Rose of Sharon-heart Rose of Sharon-red bird Rose of Sharon-woodbridge
<i>Ilex</i> spp.	Holly
<i>Illicium annisatum</i>	Mystery gardenia
<i>Itea ilicifolia</i>	Henry Garnet holly leaf sweetspire
<i>Ixora collinea</i>	Ixora
<i>Juniperus</i> spp.	Juniper
<i>Kalmia latifolia</i>	Mountain laurel
<i>Lagerstroemia indica</i>	Crape myrtle
<i>Lantana</i> spp.	Lantana
<i>Leucothoe axillaris</i>	Coast leucothoe
<i>Leucothoe fontainesiana</i>	Droping leucothoe
<i>Ligustrum</i> spp.	Privet
<i>Livistona chinensis</i>	Chinese fountain palm
<i>Lonicera periclymenum</i>	Flowering woodbine Serotina woodbine
<i>Lonicera sempervirens</i>	Trumpet honeysuckle
<i>Mahonia bealei</i>	Leather leaf mahonia
<i>Mahonia repens</i>	Creeping mahonia
<i>Myrica cerifera</i>	Wax myrtle
<i>Nandina domestica</i>	Compacta-dwarf heavenly bamboo Harbour dwarf-heavenly bamboo Heavenly bamboo Nana compacta-heavenly bamboo Nana purpurea-heavenly bamboo Woods dwarf heavenly bamboo
<i>Nerium oleander</i>	Hardy red oleander Oleander Ruby lace oleander
<i>Osmanthus fortunei</i>	Fortunes osmanthus
<i>Philadelphus</i> spp.	Mockorange
<i>Phoenix roeloenii</i>	Pigmy date palm
<i>Photinia fraseri</i>	Fraser's photinia
<i>Pieris japonica</i>	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
<i>Pieris japonica x forestii</i>	Forest flame lily-of-the-valley

Scientific Name	Common Name
<i>Pinus mugo</i>	Mugo-mugho pine
<i>Pittosporum tobira</i>	Green pittosporum Japanese pittosporum Wheeler's dwarf pittosporum
<i>Plumbago ariculata</i>	Blue cape plumbago
<i>Plumbago capensis</i>	Plumbago
<i>Podocarpus macrophyllus</i>	Yewpine
<i>Polystichum polyblepharum</i>	Tassel fern
<i>Potentilla</i> spp.	Cinquefoil
<i>Prunus caroliniana</i>	Carolina laurel cherry
<i>Prunus glandulosa</i>	Dwarf pink flowering almond
<i>Pyracantha</i> spp.	Pyracantha
<i>Raphiolepis indica</i>	Charisma-Monruce raphiolepis Enchantress-Moness raphiolepis India hawthorn Springtime-Monme raphiolepis Roundleaf raphiolepis
<i>Raphiolepis ovata</i>	Azalea/rhododendron
<i>Rhododendron</i> spp.	Azalea sumac
<i>Rhus lancea</i>	Ramanas rose
<i>Rosa rugosa</i>	Rosemary
<i>Rosmarinus officinalis</i>	Rosemary
<i>Skimmia japonica</i>	Skimmia skimmia
<i>Skimmia revesiana</i>	Reeve's skimmia
<i>Spiraea bumalda</i>	Anthony Waterer spiraea
<i>Spiraea japonica</i>	Dolchia spiraea Japanese alpine spiraea Shirobana spiraea
<i>Spiraea vanhouttii</i>	Bridal wreath
<i>Syringa rothomagensis</i>	Chinese lilac
<i>Syringa vulgaris</i>	Common lilac
<i>Taxus cuspidata</i>	Upright Japanese yew
<i>Taxus media</i>	Anglojap yew
<i>Tecomaria capensis</i>	Cape honeysuckle
<i>Temstroemia gymnanthera</i>	American arborvitae
<i>Thuja occidentalis</i>	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
<i>Thuja orientalis</i>	Christmas palm
<i>Veitchia merrilli</i>	Viburnum
<i>Viburnum</i> spp.	Weigela
<i>Weigela</i> spp.	Xylosma
<i>Xylosma congestum</i>	Yucca
<i>Yucca filamentosa</i>	

Ground Covers

Scientific Name	Common Name
<i>Achillea tomentosa</i>	Wooly yarrow
<i>Agapanthus</i> spp.	Lily-of-the-nile
<i>Ajuga</i> spp.	Carpet bugle
<i>Ammophila breviligulata</i>	Beechgrass
<i>Arctotheca calendula</i>	Cape weed
<i>Armeria maritima</i>	Thrift
<i>Asparagus densiflorus</i>	Asparagus fern
<i>Campanula</i> spp.	Bellflower
<i>Carex</i> spp.	Variiegated carex
<i>Carpobrotus edulis</i>	Largeleaf iceplant
<i>Ceratostigma plumbaginoides</i>	Dwarf plumbago
<i>Cistus</i> spp.	Rockrose
<i>Coreopsis</i> spp.	Coreopsis
<i>Coronilla vana</i>	Crown vetch
<i>Cortaderia selloana</i>	Pampas grass
<i>Cotoneaster</i> spp.	Cotoneaster
<i>Delosperma alba</i>	White iceplant
<i>Descampsia caespitosa</i>	Descampsia
<i>Drosanthemum floribundum</i>	Trailing rosea iceplant
<i>Drosantheumum hispidum</i>	Iceplant
<i>Festuca ovina glauca</i>	Blue fescue
<i>Fragaria chiloensis</i>	Strawberry, beach
<i>Gazania</i> spp.	Gazania
<i>Hakonechloa macroaureola</i>	Golden hakonechloa
<i>Hedera canariensis</i>	Algerian ivy
<i>Hedera helix</i>	English ivy
<i>Hemerocallis</i> spp.	Daylily
<i>Herniaria glabra</i>	Rupturewort
<i>Hosta lancifolia</i>	Albo-marginata hosta
<i>Hypericum</i> spp.	Aaronsbeard St. Johnswort
<i>Jasminum nitidum</i>	Angelwing jasmine
<i>Lampranthus spectabilis</i>	Trailing iceplant
<i>Liriope gigantea</i>	White lily turf

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Scientific Name	Common Name
<i>Liriope muscari</i>	Big blue lily turf Lilac beauty lily turf Magestic lily turf Silvery sunproof lily turf Variegated liriope lily turf
<i>Liriope spicata</i>	Green/creeping lily turf
<i>Miscanthus sinensis</i>	Eulalia grass
<i>Muehlenbeckia axillaris</i>	Creeping wirevine
<i>Myoporum laetum</i>	Myoporum
<i>Ophiopogon japonicus</i>	Dwarf Mondo grass Mondo grass
<i>Osteospermum fruticosum</i>	Trailing African daisy
<i>Pachysandra terminalis</i>	Japanese spurge
<i>Pennisetum alopecuroides</i>	Fountain grass
<i>Phalaris arundinacea picta</i>	Ribbon grass
<i>Sedum</i> spp.	Stonecrop (sedum)
<i>Teucrium chamaedrys</i>	Germander
<i>Trachelospermum asiaticum</i>	Asian jasmine
<i>Verbena</i> spp.	Verbena
<i>Veronica</i> spp.	Speedwell
<i>Vinca</i> spp.	Periwinkle

Established Flowers

Scientific Name	Common Name
<i>Achillea</i> spp.	Yarrow
<i>Ageratum houstonianum</i>	Floss flower
<i>Alyssum</i> spp.	Alyssum
<i>Antirrhinum majus</i>	Snapdragon
<i>Arctotis</i> spp.	African daisy
<i>Artemisia schmidtiana</i>	Silver mound
<i>Artemisia stellerana</i>	Dusty miller
<i>Aster</i> spp.	Aster (perennial)
<i>Begonia</i> spp.	Begonia
<i>Calendula officinalis</i>	Calendula
<i>Centaurea cyanus</i>	Cornflower
<i>Centaurea gymnocarpa</i>	Velvet centaurea
<i>Centaurea moschata</i>	Sweet sultan
<i>Chrysanthemum</i> spp.	Chrysanthemum
<i>Convolvulus</i> spp.	Morningglory
<i>Coreopsis</i> spp.	Coreopsis
<i>Cosmos</i> spp.	Cosmos
<i>Dahlia</i> spp.	Dahlia
<i>Dianthus</i> spp.	Dianthus
<i>Dicentra eximia</i>	Bleeding heart
<i>Digitalis mertonensis</i>	Foxglove
<i>Digitalis purpurea</i>	Common foxglove
<i>Dimorphotheca</i> spp.	Marigold, cape
<i>Echinacea purpurea</i>	Purple coneflower
<i>Eschscholzia californica</i>	California poppy
<i>Euphorbia marginata</i>	Snow-on-the-mountain
<i>Geranium</i> spp.	Geranium
<i>Geum</i> spp.	Geum
<i>Gaillardia</i> spp.	Gaillardia
<i>Gladiolus</i> spp.	Gladiolus
<i>Guara lindheimeri</i>	Guara
<i>Gysophila paniculata</i>	Baby's breath
<i>Helianthus</i> spp.	Sunflower
<i>Heuchera</i> spp.	Coral bells
<i>Hypericum calycinum</i>	Aaron's beard
<i>Impatiens balsamina</i>	Balsam
<i>Impatiens</i> spp.	Impatiens
<i>Iris</i> spp.	Iris
<i>Ixora</i> spp.	Ixora
<i>Lathyrus odoratus</i>	Sweet pea
<i>Lavandula angustifolia</i>	English lavender
<i>Leucanthemum superbum</i>	Shasta daisy
<i>Liatris spicata</i>	Gayfeather
<i>Limonium</i> spp.	Statice
<i>Lobelia</i> spp.	Lobelia
<i>Lobularia maritima</i>	Sweet alyssum
<i>Lupinus</i> spp.	Lupine
<i>Matthiola</i> spp.	Stock
<i>Mirabilis jalapa</i>	Four o'clock
<i>Monarda didyma</i>	Bee balm
<i>Myosotis</i> spp.	Forget-me-not
<i>Nicotiana</i> spp.	Nicotiana
<i>Oenothera missouriensis</i>	Ozark sundrop
<i>Papaver</i> spp.	Poppy, California
<i>Petunia hybrida</i>	Petunia
<i>Penstemon barbatus</i>	Beard tongue
<i>Perovskia atriplicifolia</i>	Russian sage
<i>Phlox</i> spp.	Phlox
<i>Portulaca grandiflora</i>	Portulaca
<i>Rosa</i> spp.	Rose
<i>Rudbeckia hirta</i>	Blackeyed susan

Scientific Name	Common Name
<i>Rudbeckia laciniata</i>	Golden glow
<i>Salvia</i> spp.	Salvia
<i>Scabiosa</i> spp.	Pincushion flower
<i>Sedum spectabile</i>	Stonecrop
<i>Stachys</i> spp.	Lamb's ears
<i>Stokesia laevis</i>	Stoke's aster
<i>Tagets</i> spp.	Marigold
<i>Tanacetum coccineum</i>	Painted daisy
<i>Tropaeolum</i> spp.	Nasturtium
<i>Veronica spicatum</i>	Speedwell
<i>Vinca</i> spp.	Vinca
<i>Zinnia</i> spp.	Zinnia

Ornamental Bulbs

TREFLAN 5G HERBICIDE may be applied for control of susceptible annual weeds in ornamental bulbs, e.g., bulbous iris, daffodil (narcissus), hyacinth and tulip. Apply this product to the soil surface 2 to 4 weeks after planting, but prior to the emergence of annual weeds. TREFLAN 5G HERBICIDE may also be applied following bulb emergence. For fall planted bulbs, apply this product again in late winter or early spring to weed-free soil surfaces.

Non-bearing[†] Fruit and Nut Trees and Non-bearing Vineyards

Common Name	Common Name	Common Name
Almond	Elderberry	Olive
Apple	Fig	Orange
Apricot	Filbert	Peach
Avocado	Gooseberry	Pear
Blackberry	Grape, American	Pecan
Blueberry	Grape, European	Pistachio
Boysenberry	Grapefruit	Plum
Cherry, sour	Kiwi	Pomegranate
Cherry, sweet	Lemon	Prune
Currant	Loganberry	Raspberry
Dewberry	Macadamia nut	Walnut, black
	Nectarine	Walnut, English

[†]Non-bearing fruit and nut trees and non-bearing vineyards are defined as plants that will not bear fruit for at least one year after treatment.

Christmas Tree Plantations

Apply TREFLAN 5G HERBICIDE to established plantings of field grown Christmas tree species listed on this label. Do not apply to seedbeds or seedling transplant beds. Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation. Follow all instructions provided in the "General Information" section of this label.

Non-cropland Areas

TREFLAN 5G HERBICIDE 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 this product 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.

UNDER PAVED SURFACES

Site Preparation

TREFLAN 5G HERBICIDE should be used only where the soil 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 insure their complete removal.

Application

Application may be made after the final road bed is established or after additions of base rock. Do not move soil after application of TREFLAN 5 G and do not apply TREFLAN 5 G to where asphalt is to be laid directly on top of the treated soil. Paving should follow applications of TREFLAN 5G HERBICIDE as soon as possible.

Apply TREFLAN 5G HERBICIDE to ensure thorough coverage of the base rock layer. Apply with any granular applicator that will apply uniformly.

Apply The Following Amount Of

TREFLAN 5G HERBICIDE:	
Amount of TREFLAN 5G HERBICIDE	
Per 1000 sq. ft.	Per Acre
5.5 - 7.3 lb	240 - 320 lb

In case of an emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

TREFLAN 5G HERBICIDE

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Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

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

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop 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 temperatures, 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 Seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

Refund of purchase price paid by buyer or user for product bought, or
Replacement of amount of product used

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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