

1812-454

12-9-2003

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCESCERTIFIED MAILED

DEC 9 2003

Ms. P. Leanne Pruett  
Sr. Registration Specialist  
Griffin LLC  
P.O. Box 1847  
Valdosta, GA 31601

Dear Ms. Pruett:

Subject: Trilin® 5G

EPA Registration No. 1812-454  
Application and Your Letter Dated July 18, 2003,  
Request To Amend Registration by Revising the First  
Aid Statements To Comply with PR Notice 2001-1

The proposed labeling submitted as an amendment to the subject pesticide product registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has been reviewed and found acceptable provided that you respond to the follow comments within 30 days from the date of this letter:

1. On the proposed labeling the use of the descriptor "selective" to describe the pesticide product must be followed by a definition of the word as it is used in context with the labeling, or alternatively delete this descriptor where ever it occurs on this label.
2. You have not responded to all conditions of registration listed on the June 4, 2002 Notice of Registration on EPA Form 8570-6. Please respond to those conditions by submitting revised labeling to reflect **all** requirements listed as conditions of registration and required data.

The labeling requirement may be done by notification, however the corrosion data must be submitted by amendment to this registration.

- o Submit one copy of the final printed labeling prior to shipment under the revised labeling.

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If the conditions described above are not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment of this product under the revised labeling constitutes acceptance of these conditions. A stamped copy of the accepted labeling is enclosed for your records.

Sincerely yours,

/s/

Joanne I. Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
**DEC 9 2003**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, this pesticide  
registered under EPA Reg. No.  
**1812-454**

## Trilin® 5G

HERBICIDE

**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, Under Paved Surfaces**

### Active Ingredient:

Trifluralin: a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine..... 5.00%  
Inert Ingredients .....95.00%  
Total ..... 100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>See Label for Additional Precautions and Directions for Use</p> <p><b>For medical emergencies involving this product, call toll free 1-888-324-7593.</b></p>	

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Griffin LLC  
EPA Reg. No. 1812-454

EPA Est. No. \_\_\_\_\_

### **PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

### **PERSONAL PROTECTION EQUIPMENT**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- 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. Wash the outside of gloves before removing. 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 oysters. Do not apply directly to water, 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 channels, lakes, streams, ponds, marshes or estuaries to drift. Do not contaminate water when disposing of equipment washwaters or rinsate.

### **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 aerially apply this product.

**Application Restrictions:**

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.

**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.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR § 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 exemptions pertaining to the 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
- Shoes plus socks

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or 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**

Trilin 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 Trilin 5G 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 Trilin 5G. Do not apply over 240 pounds per acre total of Trilin 5G within a 12 month period.

### GENERAL USE PRECAUTIONS

Trilin 5G 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 Trilin 5G. Optimum weed control is obtained when Trilin 5G is activated within 3 days of application. If rainfall or irrigation has not occurred within 3 days of application and tillage possible, Trilin 5G may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate Trilin 5G within 3 days of application may result in erratic weed control. Do not apply when wind conditions favor drift of Trilin 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.

**Weeds controlled by Trilin 5G when applied at 80 lb/acre (1.8 lb/1000 sq ft).**

#### Annual Grasses

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 spp.</i>
cheat	<i>Bromus secalinus</i>
crabgrass	<i>Digitaria spp.</i>
cupgrass, southwestern	<i>Eriochloa gracilis</i>
fescue, rattail	<i>Vulpia myuros</i>
foxtail	<i>Setaria spp.</i>
goosegrass	<i>Eleusine indica</i>
junglerice	<i>Echinochloa colonum</i>
lovegrass	<i>Eragrostis spp.</i>
oat, wild	<i>Avena fatua</i>
panicum, fall	<i>Panicum dichotomiflorum</i>
sandbur, field	<i>Cenchrus incertus</i>
signalgrass	<i>Bracharia spp.</i>
sprangletop, Mexican	<i>Leptochloa univervia</i>
stinkgrass	<i>Eragrostis cilianensis</i>
witchgrass	<i>Panicum capillare</i>

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### 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>Urticaria dioica</i>
<del>pigweed</del>	<del><i>Amaranthus spp.</i></del>
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 80lb/acre (1.8 lb/1000 sq ft).**

Common Name	Scientific Name
carpetweed	<i>Mollugo verticillata</i>
johnsonsglass (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 Trilin 5G 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 Trilin 5G

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 acres 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.

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## 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.**

Trilin 5G 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 Trilin 5G 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 Trilin 5G 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 Trilin 5G 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 Trilin 5G to areas where gladioli corms less than one inch in diameter will be planted or injury may occur.

Do not apply Trilin 5G in greenhouse or other enclosed structures.

Repeat applications should not be made sooner than 60 days after a previous application of Trilin 5G. Do not apply over 240 pounds per acre total of Trilin 5G within a 12 month period.

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



**Trilin 5G may Be Used On The Following Established Plant Species When Container Grown or Field Grown:**

**Trees**

**Scientific Name**

**Common Name**

*Abies balsamea*

Balsam fir

*Abies concolor*

White fir

*Abutilon hybridum*

Albus-flowering maple

Luteus-flowering maple

~~Roseus-flowering maple~~

Tangerine-flowering maple

Vesuvius red-flowering maple

*Acer ginnala*

Flame maple

*Acer platanoides*

Norway Maple

*Acer rubrum*

Red maple

Red sunset maple

*Acer Saccharinum*

Silver Maple

*Acer saccharum*

Sugar maple

*Areacastrum romanzoffianum*

Queen palm

*Betula nigra*

River Birch

*Betula papyrifera*

Paper birch

*Betula pendula*

European white birch

*Brachychiton populneus*

Bottle tree

*Bucida buceras*

Black Olive

*Castanea mollissima*

Chinese chestnut

*Ceratonia siliqua*

Carob

*Cercis canadensis*

Redbud

*Chamaecyparis obtusa*

Filicoides-fernspray cypress

Gracilis-slender Hinoki cypress

*Chamaecyparis pisifera*

Swara false cypress

Squarrosa-moss cypress

*Chamaedorea cataractarum*

Palm

*Chamaedorea costaricana*

Palm

*Chamaedorea elegans*

Parlor palm

*Cornus florida*

Cloud nine dogwood

Flowering dogwood

*Cornus kousa*

Dogwood, kousa

*Crataegus viridis*

Green hawthorn

*Cupaniopsis anacardioides*

Carrot wood

*Cupressus glabra*

Arizona cypress

*Elaeagnus angustifolia*

Russian Olive

*Eucalyptus camaldulensis*

Redgum eucalyptus

*Eucalyptus cinerea*

Mealy eucalyptus

Silver dollar eucalyptus

*Eucalyptus microtheca*

Coolibah tree

*Eucalyptus sideroxylon*

Red ironbark eucalyptus

*Ficus benjamina*

Ficus

*Fraxinus americana*  
*Fraxinus udhei*  
*Ginko biloba*  
*Gleditsia triacanthos*

*Heteromeles arbutiflora*  
*Illicium floridanum*  
*Juniperus virginiana*  
~~*Larix kaempferi*~~  
*Liquidambar styraciflua*  
*Liriodendron tulipifera*  
*Magnolia grandiflora*  
*Malus spp.*  
*Morus alba*  
*Musa aluminata*  
*Nyssa sylvatica*  
*Oxydendrum arboreum*  
*Picea abies*

*Picea glauca conica*  
*Picea glauca*  
*Picea pungens*

*Pinus aristata*  
*Pinus canariensis*  
*Pinus contorta*  
*Pinus eldarica*  
*Pinus leucodermis*  
*Pinus mugo*  
*Pinus nigra*  
*Pinus radiata*  
*Pinus resinosa*  
*Pinus taeda*  
*Pinus strobus*  
*Pinus sylvestris*

*Pinus thunbergiana*  
*Platanus acerifolia*  
*Platanus occientalis*  
*Platanus racemose*  
*Podocarppus spp.*  
*Populus deltoides*  
*Prosopis chilensis*

Mini ficus  
 White ash  
 Shamel ash  
 Ginko-maidenhair tree  
 Honey locust  
 Shademaster honey locust  
 Toyon  
 Florida anise-tree  
 Eastern red cedar  
 Japanese larch  
 American sweet gum  
 Tuliptree  
 Southern magnolia  
 Crabapple  
 White mulberry  
 Banana  
 Blackgum  
 Sourwood  
 Norway Spruce  
 Pendula-weeping Norway spruce  
 Repens-spreading Norway spruce  
 Drawf Alberta spruce  
 White spurce  
 Drawf globe blue spruce  
 Glauca-Colorado blue spruce  
 Hoopsii-Hoop's blue spruce  
 Koster-Koster blue spurce  
 Bristlecone pine  
 Canary Island pine  
 Shore pine, beach pine  
 Eldarica pine  
 Bosnian pine  
 Pumilio-shrubby swiss mountain pine  
 Austrian black pine  
 Monterey pine  
 Red pine  
 Loblolly pine  
 White pine  
 Columnar Scotch pine  
 Scotch pine  
 Japanese black pine  
 London planetree  
 American sycamore  
 California sycamore  
 Podocarpus  
 Cottonwood  
 Chilean mesquite

*Prunus yedoensis*  
*Pseudotsuga menziesii*  
*Quercus coccinea*  
*Quercus ilicifolia*  
*Quercus palustris*  
*Quercus phellos*  
*Quercus rubra*  
*Quercus virginiana*  
*Robinia pseudoacacia*  
*Salix* spp.  
*Sequoiadendron giganteum*  
*Swietenia mahogany*  
*Tabebuia caraiba*  
*Taxodium distichum*  
*Tsuga canadensis*  
*Ulmus parvifolia*  
*Washingtonia robusta*

Yoshino flowering cherry  
 Douglasfir  
 Scarlet oak  
 Bear oak  
 Pin oak  
 Willow oak  
 Red oak  
 Live oak  
 Black locust  
 Willow  
 Giant sequoia  
 Mahogany  
 Yellow tab  
 Bald cypress  
 Eastern hemlock  
 Chinese elm  
 Mexican fan palm

### Ornamental Shrubs

#### Scientific Name

*Abelia grandiflora*  
  
*Acacia abyssinica*  
*Acacia redolens*  
*Acacia stenophylla*  
*Acalypha wilkesiana*  
*Acer ginnala*  
*Acer palmatum*  
  
*Agave americana*  
*Astilbe chinensis*  
*Athyrium nipponicum*  
*Baccharis pilularis*  
*Berberis gladywensii*  
*Berberis mentorensis*  
*Berberis thunbergii*  
  
*Bougainvillea* spp.  
  
*Buxus microphylla japonica*

#### Common Name

Edward Goucher abelia  
 Glossy abelia  
 Abyssinica acacia  
 Prostrate acacia  
 Shoestring acacia  
 Copper leaf  
 Amur maple  
 Coral bark Japanese maple  
 Dwarf Japanese maple  
 Century plant  
 False spirea  
 Japanese painted fern  
 Coyotebush  
 William Penn barberry  
 Mentor barberry  
 Atropurea-redleaf Japanese barberry  
 Aurea-golden Japanese barberry  
 Crimson pygmy barberry  
 Rose glow barberry  
 Barbara Karst  
 California gold  
 Pink pixie  
 Scarlet O'Hara  
 Temple fire  
 Texas dawn  
 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 spp.</i>	Wild lilac
<i>Cephalotaxus drupacea</i>	Plum yew
<i>Cerastium tomentosum</i>	Snow-in-summer
<i>Chamaecyparis obtusa spp.</i>	Kosteri cypress
	Nana-dwarf Hinoki cypress
	Tolorusa cypress
<i>Chamaecyparis pisifera</i>	Filifera thread cypress
<i>Chrysalidocarpus lutescens</i>	Areca plam
<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-yellow twig 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-earl 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 spp.</i>	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
<i>Euonymus japonica</i>	Silver king-euonymus

*Euonymus kiautschovica*  
*Feijoa sellowiana*  
*Forsythia spp.*  
*Gardenia jasminoides*

*Gaultheria shallon*  
*Gelsemium sempervirens*  
~~*Genista pilosa*~~  
*Hibiscus rosa-sinensis*  
*Hibiscus syriacus*

*Ilex spp.*  
*Illicium annisatum*  
*Itea ilicifolia*  
*Ixora collinea*  
*Juniperus spp.*  
*Kalmia latifolia*  
*Lagerstroemia indica*  
*Lantana spp.*  
*Leucothoe axillaris*  
*Leucothoe fontainesiana*  
*Ligustrum spp.*  
*Livistona chinensis*  
*Lonicera periclymenum*

*Lonicera sempervirens*  
*Mahonia bealei*  
*Mahonia repens*  
*Myrica cerifera*  
*Nandina domestica*

*Nerium oleander*

*Osmanthus fortunei*  
*Philadelphus spp.*  
*Phoenix roeloenii*  
*Photinia fraseri*  
*Pieris japonica*

Variegated evergreen euonymus  
 Spreading euonymus  
 Pineapple guava  
 Forsythia  
 August beauty gardenia  
 Gardenia  
 Radican gardenia  
 Salal/lemon leaf  
 Carolina jessamine  
~~Woodwaxen~~  
 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  
 Flowering woodbine  
 Serotina woodbine  
 Trumpet honeysuckle  
 Leather leaf mahonia  
 Creeping mahonia  
 Wax myrtle  
 Compacta-dwarf heavenly bamboo  
 Harbour dwarf-heavenly bamboo  
 Heavenly bamboo  
 Nana compacta-heavenly bamboo  
 Woods dwarf heavenly bamboo  
 Hardy red oleander  
 Oleander  
 Ruby Lace oleander  
 Fortunes osmanthus  
 Mock orange  
 Pigmy date palm  
 Fraser's photinia  
 Japanese andromeda  
 Mountain fire lily-of-the-valley  
 Snowdrift lily-of-the-valley

*Pieris japonica x forestii*  
*Pinus mugo*  
*Pittosporum tobira*

*Plumbago ariculata*  
*Plumbago capensis*  
*Podocarpus macrophyllus*  
*Polystichum polyblepharum*  
*Potentilla spp.*  
*Prunus caroliniana*  
*Prunus gladulosa*  
*Pyracantha spp.*  
*Raphiolepis indica*

*Raphiolepis ovata*  
*Rhododendron spp.*  
*Rhus lancea*  
*Rosa rugosa*  
*Rosmarinus officinalis*  
*Skimmia japonica*  
*Skimmia revesiana*  
*Spiraea bumalda*  
*Spiraea japonica*

*Spiraea vanhouttii*  
*Syringa rothomangensis*  
*Syringa vulgaris*  
*Taxus cuspidata*  
*Taxus media*  
*Tecomaria capensis*  
*Temstroemia gymnanthera*  
*Thuja occidentalis*

*Thuja orientalis*

Templebells lily-of-the-valley  
Valley rose lily-of-the-valley  
Valley valentine lily-of-the-valley  
Forest flame lily-of-the-valley  
Mugo-mugho pine  
Green pittosporum  
Japanese pittosporum  
Wheller's dwarf pittosporum  
Blue cape plumbago  
**Plumbago**  
Yewpine  
Tassel fern  
Cinquefoil  
Carolina laurel cherry  
Dwarf pink flowering almond  
Pyracantha  
Charisma-Monruce raphiolepis  
Enchantress-Moness raphiolepis  
India hawthorn  
Springtime-Momme raphiolepis  
Roundleaf raphiolepis  
Azalea/rhododendron  
Africa sumac  
Ramanas rose  
Rosemary  
Japanese skimmia  
Reeve's skimmia  
Anthony Waterer spiraea  
Dolchia spiraea  
Japanese alpine spiraea  
Shirobana spiraea  
Bridal wreath  
Chinese lilac  
Common lilac  
Upright Japanese yew  
Anglojap yew  
Cape honeysuckle  
  
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

<i>Veitchia merrilli</i>	Minima glauca-dwarf arborvitae
<i>Viburnum spp.</i>	Christmas palm
<i>Weigela spp.</i>	Viburnum
<i>Xylosma congestum</i>	Weigela
<i>Yucca filamentosa</i>	Xylosma
	Yucca

#### Ground Covers

##### Scientific Name

*Achillea tomentosa*  
*Agapanthus spp.*  
*Ammophila breviligulata*  
*Arctotheca calendula*  
*Armeria maritima*  
*Asparagus densiflorus*  
*Campanula spp.*  
*Carex spp.*  
*Carpobrotus edulis*  
*Ceratostigma plumbaginoides*  
*Cistus spp.*  
*Coreopsis spp.*  
*Coronilla vana*  
*Cortaderia selloana*  
*Contoneaster spp.*  
*Delosperma alba*  
*Descampsia caespitosa*  
*Drosanthemum floribundum*  
*Drosanthemum hispidum*  
*Festuca ovina glauca*  
*Fragaria chiloensis*  
*Ganzania spp.*  
*Hakonechloa macroaureola*  
*Hedera canariensis*  
*Hedera helix*  
*Hemerocallis spp.*  
*Herniaria glabra*  
*Hosta lancifolia*  
*Hypericum spp.*  
  
*Jasminum nitidum*  
*Lampranthus spectabilis*  
*Liriope gigantea*  
*Liriope muscari*

##### Common Name

~~Woolly yarrow~~  
Lily-of-the-nile  
Beechgrass  
Cape weed  
Thrift  
Asparagus fern  
Bellflower  
Variegated carex  
Largeleaf iceplant  
Dwarf plumbago  
Rockrose  
Coreopsis  
Crown vetch  
Pampas grass  
Contoneaster  
White iceplant  
Descampsia  
Trailing rosea iceplant  
Iceplant  
Blue fescue  
Strawberry, beach  
Ganzania  
Golden hakonechloa  
Algerian Ivy  
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  
Majestic lily turf  
Silvery sunproof lily turf  
Variegated liriope lily turf

*Liriope spicata*  
*Miscanthus sinensis*  
*Muehlenbeckia axillaris*  
*Myoporum laetum*  
*Ophiopogon japonicus*  
  
*Osteospermum fruticosum*  
*Pachysandra terminalis*  
*Pennisetum alopecuroides*  
*Phalaris arundinacea plicata*  
*Sedum spp.*  
*Teucrium chamaedrys*  
*Trachelospermum asiaticum*  
*Verbena spp.*  
*Veronica spp.*  
*Vinca spp.*

Green/creeping lily turf  
Eulalia grass  
Creeping wirevine  
Myoporum  
Dwarf Mondo grass  
Mondo grass  
Trailing African daily  
Japanese spurge  
Fountain grass  
Ribbon grass  
Stonecrop (sedum)  
Germander  
Asian jasmine  
Verbena  
Speedwell  
Periwinkle

### **Established Flowers**

#### **Scientific Name**

*Achillea spp.*  
*Ageratum houstonianum*  
*Alyssum spp*  
*Antirrhinum majus*  
*Arctotis spp.*  
*Artemisia stellerana*  
*Aster spp.*  
*Calendula officianalis*  
*Centaurea cyanus*  
*Centaurea gymnocarpa*  
*Centaurea moschata*  
*Chrysanthemum spp.*  
*Convolvulus spp.*  
*Coreopsis spp.*  
*Cosmos spp.*  
*Dahlia spp.*  
*Dianthus spp.*  
*Dimorphotheca spp.*  
*Euphorbia marginata*  
*Geum spp.*  
*Gaillardia spp*  
*Gladiolus spp.*  
*Gypsophila paniculata*  
*Helianthus spp.*  
*Impatiens balsamina*  
*Impatiens spp.*  
*Ixora spp.*  
*Lathyrus odoratus*

#### **Common Name**

Yarrow  
Floss flower  
Alyssum  
Snapdragon  
African daisy  
Dusty miller  
Aster (perennial)  
Calendula  
Cornflower  
Velvet centaurea  
Sweet sultan  
Chrysanthemum  
Morningglory  
Coreopsis  
Cosmos  
Dahlia  
Dianthus  
Marigold, cape  
Snow-on-the-mountain  
Geum  
Gaillardia  
Gladiolus  
Baby's breath  
Sunflower  
Balsam  
Impatiens  
Ixora  
Sweet pea



<i>Limonium spp.</i>	Statice
<i>Lobelia spp.</i>	Lobelia
<i>Lobularia maritima</i>	Sweet alyssum
<i>Lupinus spp.</i>	Lupine
<i>Matthiola spp.</i>	Stock
<i>Mirabilis jalapa</i>	Four o'clock
<i>Myosotis spp.</i>	Forget-me-not
<i>Nicotiana spp.</i>	Nicotiana
<i>Papaver spp.</i>	Poppy, California
<i>Petunia hybrida</i>	Petunia
<i>Phlox spp.</i>	Phlox
<i>Portulaca grandiflora</i>	Portulaca
<i>Rosa spp.</i>	Rose
<i>Rudbeckia hirta</i>	Blackeyed susan
<i>Rudbeckia laciniata</i>	Golden glow
<i>Salvia spp.</i>	Salvia
<i>Scabiosa spp.</i>	Pincushion flower
<i>Stachys spp.</i>	Lamb's ears
<i>Stokesia laevis</i>	Stoke's aster
<i>Tagetes spp.</i>	Marigold
<i>Tropaeolum spp.</i>	Nasturtium
<i>Vinca spp.</i>	Vinca
<i>Zinnia spp.</i>	Zinnia

### Ornamental Bulbs

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

### NONBEARING FRUIT AND NUT TREES AND NONBEARING VINEYARDS†

<u>Common Name</u>	<u>Common Name</u>
Almond	Kiwi
Apple	Lemon
Apricot	Loganberry
Avocado	Macadamia nut
Blackberry	Nectarine
Blueberry	Olive
Boysenberry	Orange
Cherry, sour	Peach
Cherry, sweet	Pear
Currant	Pecan
Dewberry	Pistachio
Elderberry	Plum

Fig	Pomegranate
Filbert	Prune
Gooseberry	Raspberry
Grape, American	Walnut, black
Grape, European	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.

### **Christmas Tree Plantations**

Apply Trilin 5G 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**

Trilin 5G is recommended as a reemergence herbicide for control of certain annual grasses and broadleaf weeds on industrial sites, utility substations, highway guard rails, sign posts and delineators.

Apply Trilin 5G 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.

### **Use Under Paved Surfaces**

#### **Site Preparation**

Trilin 5G 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 Trilin 5G application and do not apply Trilin 5G to areas where asphalt is to be laid directly on top of soil.

Paving should follow Trilin 5G applications as soon as possible.

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

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Apply the following amount of Trilin 5G

Amount of Trilin 5G	
Per Acre	Per 1000 sq ft
240-320 lb	5.5-7.3lb

#### WARRANTY STATEMENT

Griffin warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with 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 Griffin. In no case shall Griffin be liable for consequential special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid for this product or at Griffin's election, the replacement of this product. **GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**