

Angela Tessier  
 Griffin Corporation  
 P.O. Box 1847  
 Valdosta, GA 31603-1847

MAY 21 1998

Dear Ms. Tessier:

Subject: Revise Signal Word to CAUTION  
 Trilin HG  
 EPA Registration No. 1812-359  
 Your Submission Dated January 28, 1998

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) The individual values for the active ingredient, inert ingredients, and total (ingredients) within the front panel ingredient statement should be aligned by the decimal point.
- 2) Add the appropriate Net Contents statement.
- 3) Add the appropriate EPA Establishment Number.
- 4) Delete the first sentence of the Environmental Hazards section and replace it with the statements "This pesticide is extremely toxic to fish and other aquatic animals including shrimp and oyster. Do not allow drift into canals, lakes, streams, ponds, marshes or estuaries."

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

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

Enclosure

DK: 305-7546: HB/PM23

CONCURRENCES

SYMBOL	7505C							
SURNAME	D. KENNY							
DATE	5/20/98							

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY 21 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

1812-359

## Trilin® HG

### ACTIVE INGREDIENTS

a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine ..... 1.47%

### INERT INGREDIENTS

98.53%

### TOTAL

100.00%

KEEP OUT OF REACH OF CHILDREN

~~WARNING-AVISO~~

CAUTION

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

### STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water. Call a physician if irritation persists.

IF ON SKIN: Wash immediately with plenty of soap and water. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention if breathing difficulty occurs.

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GRIFFIN CORPORATION EPA REG. No. 1812-359  
Valdosta, GA 31601

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)  
WARNING**

Causes ~~substantial but temporary eye injury~~ eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- ~~-Protective eyewear~~

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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water. Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Trilin HG is a herbicide which must be applied prior to the emergence (preemergence)

of annual broadleaf and grassy weeds. To assure prolonged control (seasonal) of weeds shown below, soil incorporation is essential.

**Entry Restrictions:**

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food, feed, other pesticides, fertilizer or seeds.

**PESTICIDE DISPOSAL:** To dispose of bag which contains unused product, securely wrap original container in several layers of newspaper and discard in the trash.

**CONTAINER DISPOSAL:** Do not reuse empty bag. Fold empty bag and discard in the trash.

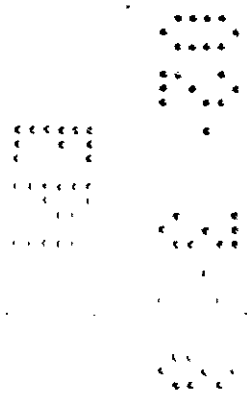
**BROADLEAF AND GRASSES WEEDS  
CONTROLLED BY TRILIN HG**

**Annual Grasses**

Annual bluegrass  
Annual ryegrass  
Barnyardgrass  
(Watergrass)  
Bromegrass  
Chéat  
Crabgrass  
Foxtails  
Johnsongrass (from seed)  
Junglerice  
Sandbur  
Signalgrass  
Sprangletop  
Stinkgrass  
Wildcane (shattercane)  
Wild oat (partial control)  
Woolly cupgrass

**Annual Broadleaf Weeds**

Carpetweed  
Chickweed  
Florida pusley (Florida  
purslane)  
Goosefoot  
Henbit  
Knotweed  
Lambsquarter  
Pigweed  
Puncturevine  
Purslane  
Stinging nettle



**GENERAL DIRECTIONS**

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Trilin HG is a preemergence herbicide for control of many annual grasses and broadleaf weeds. Trilin HG controls weeds by killing germinating seeds and does not control established weeds. Trilin HG provides effective weed control when applied and incorporated into the soil surface. Trilin HG is recommended for use on a wide variety of ornamentals (trees, shrubs, and flowers), fruits, nuts, and vegetables. See below for specific uses and instructions.

### APPLICATION DIRECTIONS

Apply to a smooth soil surface to assure uniform distribution. Excessive ground cover such as crop residues or existing weeds can interfere with the incorporation of Trilin HG into the soil and should be removed prior to application. Apply Trilin HG prior to the germination of weed seeds or to clean-cultivated weed-free areas.

Apply Trilin HG in a "ready to use" shaker container or with hand held or hand propelled rotary or drop-type granular applicator. Prior to use, calibrate the applicator according to the manufacturer's directions and check frequently during application to be sure equipment is working properly and distributing the granules uniformly. For small areas, use a "ready to use" container or a shaker-type applicator such as a coffee can with holes punched in the bottom and distribute granules uniformly. Do not apply more than the recommended amount. To obtain optimum weed control, Trilin HG needs to be incorporated into the soil by overhead irrigation (i.e. sprinkler or rainfall) or mechanical incorporation (i.e. rake or rototiller) to a depth of 2" to 3" within a few hours after surface application. Application rates for various uses and incorporation methods differ, see below for specific use instructions.

Under normal growing conditions and if applied according to directions, Trilin HG will not harm the treated crop. Crop injury or soil residue may result from over-application. Erratic weed control or crop injury may result from uneven application or improper soil incorporation of Trilin HG. Seedling diseases, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage from Trilin HG. Under these conditions delayed crop development or reduced yields may result. Trilin HG is not recommended for use on muck soils.

Seeded crops (vegetables or flowers) other than those listed on this label for preplant soil incorporation of Trilin HG should not be planted within 5 months following the application.

**Specific Use Instructions for ornamental trees, groundcover, shrubs, and flowers:**  
Apply Trilin HG prior to planting new nursery stock liners, ornamental trees, ornamental groundcover, woody shrubs, and Gladiolus (corms greater than 1" diameter). Trilin HG may also be applied to these and other listed ornamentals (see below) after they are

established. Apply Trilin HG to a weed free smooth soil surface on ornamental beds or around established plants. Do not apply Trilin to established plantings when the foliage is wet. The broadcast application rate of Trilin HG for these crops is 1.0 oz. per 100 sq. ft. Optimum weed control performance will be obtained when followed by overhead irrigation (sprinkler or rainfall) within a few hours after application.

### ORNAMENTAL TREES

Common Name	Scientific Name	Common Name	Scientific Name
Almond	<i>Prunus dulcis</i>	Maple, Sugar	<i>Acer saccharum</i>
Apple, Crabapple	<i>Mallus</i> spp.	Oak, Pin	<i>Quercus palustris</i>
Apricot	<i>Prunus armeniaca</i>	Oak, Red	<i>Quercus rubra</i>
Ash, White	<i>Fraxinus</i>	Oak, Scarlet	<i>Quercus coccinea</i>
Baldcypress	<i>americana</i>	Peach	<i>Prunus persica</i>
Birch, European	<i>Taxodium</i>	Pine, Austrian	<i>Pinus nigra</i>
White	<i>distichum</i>	Pine, Eastern	<i>Pinus strobus</i>
Blackgum	<i>Betula pendula</i>	White	
Cherry		Pine, Japanese	<i>Pinus</i>
Chestnut,	<i>Nyssa sylvatica</i>	Black	<i>thunbergiana</i>
Chinese	<i>Prunus</i> spp.	Pine, Loblolly	<i>Pinus taeda</i>
Cottonwood	<i>Castanea</i>	Pine, Red	<i>Pinus resinosa</i>
Dogwood,	<i>mollissima</i>	Pine, Scotch	<i>Pinus sylvestris</i>
Flowering	<i>Populus deltoides</i>	Planetree,	<i>Platanus acerifolia</i>
Dogwood, Kousa	<i>Cornus florida</i>	London	<i>Prunus</i> spp.
Douglasfir		Plum	<i>Cercis canadensis</i>
	<i>Cornus kousa</i>	Redbud, Eastern	<i>Picea pungens</i>
Fir, Balsam	<i>Pseudotsuga</i>	Spruce, Colorado	<i>Picea abies</i>
Hemlock, Canada	<i>menziesii</i>	Spruce, Norway	<i>Picea glauca</i>
Honeylocust	<i>Abies balsamea</i>	Spruce, White	<i>Liquidambar</i>
	<i>Tsuga</i>	Sweetgum	<i>styraciflua</i>
Larch, Japanese	<i>canadensis</i>		<i>Platanus</i>
Locust, Black	<i>Gleditsia</i>	Sycamore	<i>occidentalis</i>
	<i>triacanthos</i>		<i>Liriodendron</i>
Maple, Norway	<i>Larix kaempferi</i>	Tuliptree	<i>tulipifera</i>
Maple, Red	<i>Robinia</i>		<i>Juglans nigra</i>
Maple, Silver	<i>pseudoacacia</i>	Walnut, Black	
	<i>Acer platanoides</i>		
	<i>Acer rubrum</i>		
	<i>Acer saccharinum</i>		

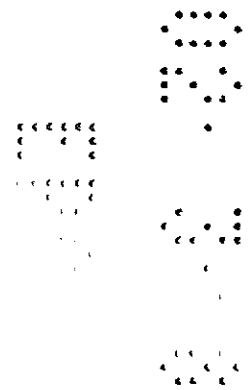
## ORNAMENTAL GROUND COVER PLANTING

Common Name	Scientific Name	Common Name	Scientific Name
Aaronbeard	<i>Hypericum calycinum</i>	Lilyturf, Bigblue	<i>Liriope muscari</i>
Bellflower,	<i>Campanula elatines</i>	Marigold	<i>Tagetes</i> spp.
Adriatic		Myoporum	<i>Myoporum laetum</i>
Bellflower,	<i>Campanula poscharskyana</i>	Plumbago, Dwarf	<i>Ceratostigma plumbaginoides</i>
Poscharsky		Rockrose	<i>Cistus</i> spp.
Ceanothus	<i>Ceanothus</i> spp.	Rosemary	<i>Rosmarinus officinalis</i>
Coreopsis	<i>Coreopsis</i> spp.	Rupturewort	<i>Herniaria glabra</i>
Cotoneaster	<i>Cotoneaster</i> spp.	Snow-in-Summer	<i>Cerastium tomentosum</i>
Coyote Brush	<i>Baccharis pilularis</i>		<i>Veronica</i> spp.
Crown Vetch	<i>Coronilla vana</i>		<i>Hypericum coris</i>
Daisy Trailing	<i>Osteospermum fruticosum</i>	Speedwell	<i>Sedum</i> spp.
African		St. Johnswort	<i>Fragaria chiloensis</i>
Fern, Asparagus	<i>Asparagus densiflorus</i>	Stonecrop (Sedum)	<i>Ameria maritima</i>
Gazania	<i>Gazania</i> spp.	Strawberry, Beach	<i>Verbena</i> spp.
Germander	<i>Teucrium chamaedrys</i>	Thrift	<i>Muehlenbeckia axillaris</i>
Ice Plant,	<i>Carpobrotus edulis</i>	Verbena	<i>Achillea tomentosa</i>
Largeleaf		Wirevine, Creeping	<i>Zoysia tenuifolia</i>
Ivy, Algerian	<i>Hedera canariensis</i>		
Ivy, English	<i>Hedera helix</i>		
Lily-of-the-Nite	<i>Agapanthus</i> spp.	Yarrow, Woolly	
		Zoysiagrass	

## ORNAMENTAL WOODY SHRUBS

Common Name	Scientific Name	Common Name	Scientific Name
Littleleaf		Silverberry	
Camellia,		Euonymus,	
Japanese		Spreading	
Camellia,		Euonymus,	
Sasanqua		Winged	
Cherry laurel,		Euonymus,	
American		Wintercreeper	
Azalea		Firethorn	
Barberry,			
Japanese			
Barberry, Mento			
Boxwood,			
Common			
Boxwood,			
Harlands			
Boxwood,			

	Common Name	Scientific Name
<i>Camellia japonica</i>		
<i>Camellia</i>		
<i>sasanqua</i>	Forsythia	<i>Forsythia</i> spp.
<i>Prunus</i>	Guava, Pineapple	<i>Feijoa sellowiana</i>
<i>caroliniana</i>	Holly	<i>Ilex</i> spp.
	Honeysuckle	<i>Lonicera</i> spp.
<i>Potentilla</i> spp.	Indianhawthorn	<i>Raphiolepis indica</i>
<i>Cleyera japonica</i>	Juniper	<i>Juniperus</i> spp.
<i>Cotoneaster</i>	Laurel, Mountain	<i>Kamia latifolia</i>
<i>apiculata</i>	Lilac, Common	<i>Syringa vulgaris</i>
<i>Cotoneaster</i>	Mockorange	<i>Philadelphus</i> spp.
<i>zabelii</i>	Pittosporum,	<i>Pittosporum</i>
<i>Deutzia</i> spp.	Japanese	<i>tobria</i>
<i>Elaeagnus</i>	Privet	
<i>pungens</i>	Redcedar,	<i>Lingustrum</i> spp.
<i>Euonymus</i>	Eastern	<i>Juniperus</i>
<i>kiautschovica</i>	Rhododendron	<i>virginiana</i>
<i>Euonymus alatus</i>	Spiraea,	<i>Rhododendron</i>
<i>Euonymus</i>	Vanhoutte	spp.
<i>fortunei</i>	Viburnum	<i>Spiraea</i>
	Weigela	<i>vanhouttei</i>
<i>Pyracantha</i> spp.	Willow	<i>Viburnum</i> spp.
	Yew, Anglojap	<i>Weigela</i> spp.
	Yew, Japanese	<i>Salix</i> spp.
	Yewpine	<i>Taxus media</i>
		<i>Taxus cuspidata</i>
		<i>Podocarpus</i>
		<i>macrophyllus</i>





## ROSES AND OTHER ESTABLISHED FLOWERS

Common Name	Scientific Name	Common Name	Scientific Name
African Daisy	<i>Centaurea, Velvet</i>	Golden Glow	<i>Snapdragon</i>
Aster (perennial)	<i>Chrysanthemum</i>	Impatiens	<i>Snow-on-the-mountain</i>
Balsam	<i>Coreopsis</i>		
Blackeyed Susan	<i>Cornflower</i>	Ixora	<i>Stock</i>
Calendula	<i>Cosmos</i>	Lobelia	<i>Sunflower</i>
Carnation	<i>Dahlia</i>	Lupine	<i>Sweet Alyssum</i>
Dianthus	<i>Phlox</i>	Marigold	<i>Sweet Pea</i>
Dusty Miller	<i>Pincushion Flower</i>	Marigold, Cape	<i>Sweet Sultan</i>
Floss Flower	<i>Poppy, California</i>	Morningglory	<i>Sweet William</i>
Forget-me-not	<i>Portulaca</i>	Nasturtium	<i>Vinca</i>
Four O'Clock	<i>Rose</i>	Nicotiana	<i>Yarrow</i>
Gaillardia	<i>Salvia</i>	Petunia	<i>Zinnia</i>
Gladiolus	<i>Shasta Daisy</i>		

### Specific Instructions for Fruit, Vegetable, Nut, and Vineyard Crops:

For control of weeds in the listed crops in this section use the following application rate table.

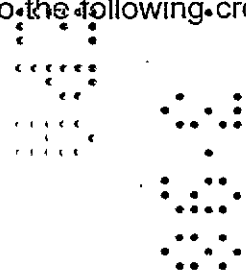
### APPLICATION RATES

Soil Texture	Broadcast Application Rates oz/1000 sq ft
Sand, loamy sand, sandy loam	12.5 oz (1lb/1,280sq ft)
Loam, silt, silt loam	16.66 oz (1lb/960 sq ft)
Clay, clay loam, sandy clay	25 oz (1lb/640 sq ft)

Apply and incorporate the indicated amount of Trilin HG to a smooth weed free soil surface. Optimum weed control performance will be obtained if Trilin HG is mechanically incorporated such as with a rake or rototiller 2" to 3" deep within a few hours after application. Trilin HG is recommended for application to the following crops at the indicated stage of growth.

### BEFORE PLANTING

Bean (Castor, Dry, Guar, Lima, Mungbean and Snap)  
Carrot



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Celery - direct seeded or transplant

Chicory/Endive

Cole Crops (Broccoli, Brussels Sprout, Cabbage and Cauliflower) - transplant

Fruit and Nutcrops (Almond, Citrus, Grape, Nectarine, Peach, Pecan, Plum, Prune, Walnut)

Greens (Collard, Kale, Mustard)

Okra

Pea (Dry and English)

Pepper - transplant

Radish

Sunflower

Tomato - transplant

### AT PLANTING

Celery - direct seeded or transplant

### AFTER PLANTING

Asparagus - established: Apply and incorporate prior to spear emergence in the spring.

Celery - direct seeded and transplant

Cucurbit (Cantaloupe, Cucumber and Watermelon): Apply and incorporate between the rows and beneath plants in the 3 to 4 true leaf stage.

Fruit and Nutcrops (Almond, Citrus, Grape, Nectarine, Peach, Pecan, Plum, Prune, Walnut) - established: Apply 25 to 50 oz. per 1,000 sq. ft. on all soil types. Do not apply to grapes within 60 days of harvest.

Onion - grown for dry bulb only: Avoid covering exposed bulbs with treated soil or injury may occur.

Potato: Apply after planting, prior to crop emergence, or after plants have emerged. Do not cover foliage with treated soil if applied after emergence.

Tomato - direct seeded: Apply at thinning after plants are 2" to 3" tall to soil between rows and beneath plants and incorporate.

### NOTICE OF WARRANTY

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

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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 Corporation'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.