

2217-597

7/7/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

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JUL -7 2010

Subject: Label Amendment – Response to PBI/Gordon’s Rebuttal of Reregistration letter dated February 6, 2009 that required changing the signal word from “Caution” to “Danger”  
Product Name: Gordon’s Trimec 849 General Broadleaf Lawn Herbicide  
EPA Registration Number: 2217-597  
Decision Number: 429692

The label amendment referred to above (maintaining the “Caution” signal word and associated language), submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provide the following changes are made to the product label:

- 1) Per the acute toxicity review completed in the Registration Division, revise the ‘Hazards to Humans and Domestic Animals’ statement to read as follows:  
“CAUTION:  
Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt, long pants, socks, shoes and gloves. Remove and wash contaminated clothing before reuse.”
- 2) Replace “Inert Ingredients” with “Other Ingredients” in the ingredient statement.
- 3) Replace “General” with “Product” in the section heading, “General Information.”

**Note:** While no additional data is being requested at this time, marketing claims made on the pesticide label must be substantiated by data maintained in your files. If data supporting marketing claims made on the product label is not available then those claims must be removed.

One copy of the label stamped “Accepted with Comments” is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment.

Sincerely,

Kathryn V. Montague  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505P)

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
JUL - 7 2010

# GORDON'S TRIMEC® 849 GENERAL BROADLEAF LAWN HERBICIDE

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

## EPA Reg. No. 2217-597

2217-597

### ACTIVE INGREDIENT:

- Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid ..... 5.45%
- Dimethylamine salt of 2,4-dichlorophenoxyacetic acid ..... 5.88%
- Dimethylamine salt of dicamba (3,6-dichloro-o-anisic acid) ..... 1.21%

INERT INGREDIENTS: ..... 87.46%

TOTAL ..... 100.00%

### THIS PRODUCT CONTAINS:

- 0.39 lb (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 4.50%
- 0.42 lb 2,4-dichlorophenoxyacetic acid equivalent per gallon or 4.88%
- 0.09 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 1.00%

Isomer Specific by AOAC Methods.

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

### KEEP FROM FREEZING

**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if swallowed. Wear long-sleeved shirt, long pants, and shoes plus socks. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye 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 a 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 a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>



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<b>If on skin or on 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 by 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. For additional information in case of emergency, call toll free 1-877-800-5556.</p>	

**Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**[Environmental Hazards (Alternate per PRN 2008-1)**

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.]

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**PRECAUTIONS AND RESTRICTIONS:**

- 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.
- Do not allow people or pets to enter the treated area until sprays have dried.

**WHEN TO USE:**

Spray at any time when weeds are growing. For best results, apply in spring when weeds are small and growing rapidly. Apply in fall to remove late germinating weeds.

**HOW TO USE:**

**Hose End Sprayer:**

**FOR ORTHO HOSE-END SPRAYERS OR GILMOUR® DIAL-A-MIX® LAWN AND GARDEN**

**SPRAYER:** Add only Gordon's Trimec® 849 General Broadleaf Lawn Herbicide to the sprayer jar. Do not add water to the sprayer jar.

**St. Augustinegrass and Centipedegrass:**

1. **Set the dial - Set dial on 1 1/3 Tablespoon (Tbs.) or 4 Teaspoons (tsp.) per gallon.**
2. **Fill -** Determine [Measure] the lawn area to be sprayed. Calculate square feet of rectangular areas by multiplying length by width. The application rate for this product is 2 fl.oz. per 1,000 sq.ft. of lawn. Add an adequate amount of herbicide to the spray bottle to treat the total lawn area.  
Example for 5,000 sq.ft. of lawn area: Measure 10 fl.oz. into sprayer jar. Do not add water. Set dial on 4 Teaspoons (tsp.) and spray uniformly on 5,000 sq.ft. of lawn.
3. **Spray -** Spray evenly over the lawn.

**Bermudagrass, Buffalograss and Bentgrass:**

1. **Set the dial - Set dial on 2 Tablespoon (Tbs.) or 6 Teaspoons (tsp.) per gallon.**
2. **Fill -** Determine [Measure] the lawn area to be sprayed. Calculate square feet of rectangular areas by multiplying length by width. The application rate for this product is 3 fl.oz. per 1,000 sq.ft. of lawn. Add an adequate amount of herbicide to the spray bottle to treat the total lawn area.  
Example for 5,000 sq.ft. of lawn area: Measure 15 fl.oz. into sprayer jar. Do not add water. Set dial on 2 Tablespoons (Tbs.) or 6 Teaspoons (tsp.) and spray uniformly on 5,000 sq.ft. of lawn.
3. **Spray -** Spray evenly over the lawn.

**Kentucky Bluegrass, Fescue, Perennial Ryegrass and Zoysiagrass:**

1. **Set the dial - Set dial on 3 Tablespoon (Tbs.) or 9 Teaspoons (tsp.) per gallon.**
2. **Fill -** Determine [Measure] the lawn area to be sprayed. Calculate square feet of rectangular areas by multiplying length by width. The application rate for this product is 4 fl.oz. per 1,000 sq.ft. of lawn. Add an adequate amount of herbicide to the spray bottle to treat the total lawn area.  
Example for 5,000 sq.ft. of lawn area: Measure 20 fl.oz. into sprayer jar. Do not add water. Set dial on 3 Tablespoons (Tbs.) or 9 Teaspoons (tsp.) and spray uniformly on 5,000 sq.ft. of lawn.
3. **Spray -** Spray evenly over the lawn.

**FOR HOSE-END SPRAYERS WITH DILUTION:**

For dilution sprayers, add the required amount of Gordon's Trimec® 849 General Broadleaf Lawn Herbicide and fill sprayer with water to proper level. Spray uniformly.

Table. RATES OF GORDON'S TRIMEC® 849 GENERAL BROADLEAF LAWN HERBICIDE FOR VARIOUS LAWN GRASSES:					
Gallons of Water Spray		Area to Treat (sq.ft.)	St. Augustinegrass, Centipedegrass (fl.oz.)	Bermudagrass, Buffalograss, Bentgrass (fl.oz.)	Bluegrass, Zoysiagrass, Fescue (fl.oz.)
Hose End Sprayer with dilution	Pressure Sprayer				
1	1/2	250	1/2	2/3	2/3 to 1
4	2	1,000	2	2 2/3	2 2/3 to 4
8	4	2,000	4	5 1/3	5 1/3 to 8
20	10	5,000	10	13 1/3	13 1/3 to 20
32	16	8,000	16	21 1/3	21 1/3 to 32

**EQUAL MEASURES:**  
1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs.) or 6 teaspoons (tsp.) 2 fluid ounces = 4 tablespoons  
4 fluid ounces = 1/2 cup 8 fluid ounces = 1 cup 16 fluid ounces = 1 pint (pt.) 32 fluid ounces = 1 quart (qt.)

**Limitations on broadcast applications to residential turfgrass:**

The maximum application rate is 4.0 fl.oz. of product per 1,000 sq.ft. per application (0.72 lb 2,4-D ae, 0.57 lb MCP-P ae and 0.12 lb dicamba ae per acre per application). The maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. The maximum seasonal rate is 8.0 fl.oz. of product per 1,000 sq.ft. (1.14 lb 2,4-D ae, 1.06 lb MCP-P ae and 0.24 lb dicamba ae per acre).

**Spot Treatment with Pressure Sprayers:**

**Limitations on spot treatments to residential turfgrass:**

Spot treatment is defined as a treatment area no greater than 1,000 sq.ft. per acre. The maximum application rate is 4.0 fl.oz. per 1,000 sq.ft. per application (0.57 lb MCP-p acid equivalent per acre). The maximum number of spot treatments is limited to 2 per year with a minimum of 30 days between applications.

**St. Augustinegrass and Centipedegrass:**

- Mix 2/3 fl.oz. (4 teaspoons) in 1 gallon water and uniformly spray 330 sq.ft.
- Do not apply to St. Augustinegrass or centipedegrass emerging from winter dormancy; temperatures below 45°F within 72 hours of application may cause damage.
- Do not use on 'Floritam' St. Augustinegrass in Florida.

**Bermudagrass, Buffalograss and Bentgrass:**

- Mix 1 fl.oz. (2 Tbs) in 1 gallon water and uniformly spray 330 sq.ft. See Table 1 for additional spray preparations.

**Kentucky Bluegrass, Fescue, Perennial Ryegrass and Zoysiagrass:**

- Mix 1 1/3 fl.oz. (8 teaspoons ) in 1 gallon water and uniformly spray 330 sq.ft. See Table 1 for additional spray preparations.

**Table 1. SPRAY PREPARATION FOR SPOT TREATMENTS OF VARIOUS LAWN GRASSES:**

Gallons of water	St. Augustinegrass and Centipedegrass	Bermudagrass, Buffalograss and Bentgrass	Bluegrass, Perennial ryegrass, Zoysiagrass and Fescue	Area to Treat
1	0.67 fl.oz.	1.0 fl.oz.	1.3 fl.oz.	330 sq.ft.
2	1.3 fl.oz.	2.0 fl.oz.	2.6 fl.oz.	660 sq.ft.
3	2.0 fl.oz.	3.0 fl.oz.	4.0 fl.oz.	1000 sq.ft.

**EQUAL MEASURES:** 1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs.) or 6 teaspoons (tsp.)

OR

**Table 1. SPRAY PREPARATION FOR SPOT TREATMENTS OF VARIOUS LAWN GRASSES:**

Gallons of water	St. Augustinegrass and Centipedegrass	Bermudagrass, Buffalograss and Bentgrass	Bluegrass, Perennial ryegrass, Zoysiagrass and Fescue	Area to Treat
1	1 1/3 TBS	2 TBS	2 2/3 TBS	330 sq.ft.
2	2 2/3 TBS	4 TBS	5 1/3 TBS	660 sq.ft.
3	4 TBS	6 TBS	8 TBS	1000 sq.ft.

**EQUAL MEASURES:** 1 fluid ounce (fl.oz.) = 2 tablespoons (Tbs.) or 6 teaspoons (tsp.)

**HOW TO USE IN THE LAWN WEED KILLER APPLICATOR:**

1. Connect sprayer nozzle to garden hose; remove safety cap from container and insert sprayer unit, securing tightly.
2. Turn on water; place finger over hole on right side of nozzle and product will automatically be dispersed.
3. Spray evenly and uniformly over area requiring application. (Check application guide to determine the correct area to be covered per ounce.)

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APPLICATION GUIDE*			
Fluid Ounces	Recommended Coverage Area Per Ounce		
	Sensitive grasses such as Centipedegrass and St. Augustinegrass (sq.ft.)	Bermudagrass, Bentgrass, and Buffalograss (sq.ft.)	Bluegrass, Fescue, and Zoysiagrass (sq.ft.)
1	500	375	250
2	100	750	500
3	150	1,125	750
4	2,000	1,500	1,000
5	2,500	1,875	1,250
6	3,000	2,250	1,500
7	3,500	2,525	1,750
8	4,000	3,000	2,000
9	4,500	3,375	2,250
10	5,000	3,750	2,500
11	5,500	4,125	2,750
12	6,000	4,500	3,000
13	6,500	4,875	3,250
14	7,000	5,250	3,500
15	7,500	5,625	3,750
16	8,000	6,000	4,000

\*Good for this precalibrated sprayer only.

**USE PRECAUTIONS:**

Do not apply this product through any type of irrigation system. Use only lawn sprayer that delivers coarse spray droplets. Do not exceed specified dosages for any area. Do not spray carpetgrass, dichondra, or lawn where desirable clovers are present. Do not apply this product to "Floritam" St. Augustinegrass in Florida. Do not apply to newly seeded lawn grasses until well established. Do not spray when air temperatures exceed 85°F. Seed can be sown 3 to 4 weeks after application. After using this product, clean sprayer with soap or detergent and water, and rinse thoroughly before applying other pesticides. Failure to follow above precautions may result in injury.

**Other Use Precautions:**

- Do not apply as a fine mist because of potential for injury to desirable plants.
- Do not use this product on or near desirable plants, including contact of spray on exposed root systems or adventitious shoots within the drip line of desirable trees and shrubs, since injury may result.
- Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) to the point of runoff or apply when raining or when rain is expected that day. Rinse applicator over lawn area only.

**GENERAL INFORMATION:**

Gordon's Trimec® 849 General Broadleaf Lawn Herbicide controls troublesome common lawn weeds, including poison ivy, in both northern and southern grasses.

BROADLEAF WEEDS			
Annual yellow sweetclover	Cockle	Narrowleaf plantain	Spiny cocklebur
Aster	Cocklebur	Narrowleaf vetch	Spiny sowthistle
Austrian fieldcress	Common mullein	Nettle	Spotted catsear
Bedstraw	Creeping jenny	Orange hawkweed	Spotted spurge
Beggarticks	Cudweed	Oriental cocklebur	Spurweed

BROADLEAF WEEDS			
Betony, Florida	Curly dock	Oxalis	Stinging nettle
Bindweed, field	Daisy, English	Parsley-piert	Strawberry, India mock
Bird vetch	Daisy fleabane	Parsnip	Tall nettle
Bitter wintercress	Daisy, oxeye	Pearlwort	Tall vervain
Bittercress, hairy	Dandelion	Pennycress	Tansy ragwort
Bitterweed	Dichondra	Pennywort	Tansy mustard
Black-eyed Susan	Dogfennel	Pepperweed	Tanweed
Black medic	Dollarweed	Pigweed	Thistle
Black mustard	False dandelion	Pineywoods bedstraw	Trailing crownvetch
Blackseed plantain	Falseflax	Plains coreopsis	Tumble mustard
Blessed thistle	False sunflower	Plantain	Tumble pigweed
Bloodflower milkweed	Fiddleneck	Poison ivy	Velvetleaf
Blue lettuce	Florida pusley	Poison oak	Venice mallow
Blue vervain	Frenchweed	Pokeweed	Virginia buttonweed
Bracted plantain	Galinsoga	Poorjoe	Virginia creeper
Bristly oxtongue	Goldenrod	Prairie sunflower	Virginia pepperweed
Broadleaf dock	Ground ivy	Prickly lettuce	Wavyleaf bullthistle
Broadleaf plantain	Gumweed	Prickly sida	Western clematis
Broomweed	Hairy fleabane	Prostrate knotweed	Western salsify
Buckhorn	Hawkweed	Prostrate pigweed	White mustard
Buckhorn plantain	Healall	Prostrate spurge	Wild aster
Bulbous buttercup	Heartleaf drymary	Prostrate vervain	Wild buckwheat
Bull thistle	Heathaster	Puncturevine	Wild carrot
Bullnettle	Hedge bindweed	Purslane, common	Wild four-o'clock
Burclover	Hedge mustard	Ragweed	Wild garlic
Burdock	Henbit	Red sorrel	Wild geranium
Burning nettle	Hoary cress	Redroot pigweed	Wild lettuce
Burweed	Hoary plantain	Redstem filaree	Wild marigold
Buttercup	Hoary vervain	Rough cinquefoil	Wild mustard
Buttonweed	Horsenettle	Rough fleabane	Wild onion
Canada thistle	Jimsonweed	Russian pigweed	Wild parsnip
Carolina geranium	Knawel	Russian thistle	Wild radish
Carpetweed	Knotweed	Scarlet pimpernel	Wild rape
Catchweed bedstraw	Kochia	Scotch thistle	Wild strawberry
Catnip	Lambsquarters	Sheep sorrel	Wild sweet potato
Catsear	Lespedeza	Shepherdspurse	Wild vetch
Chickweed, common	Mallow	Slender plantain	Woodsorrel
Chickweed, mouseear	Matchweed	Smallflower galinsoga	Woolly croton
Chicory	Mexicanweed	Smooth dock	Woolly morningglory
Cinquefoil	Milk vetch	Smooth pigweed	Woolly plantain
Clover, crimson	Morningglory	Sorrel	Wormseed
Clover, hop	Mouseear hawkweed	Sowthistle	Yarrow
Clover, red	Mugwort	Spanishneedles	Yellow rocket
Clover, strawberry	Musk thistle	Speedwell	Yellowflower pepperweed
Clover, sweet	Mustard	Spiny amaranth	and other broadleaf weeds
Clover, white			

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep from freezing. Store in original container and place in locked storage area when not using.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or [www.website.com](http://www.website.com) for disposal instructions. Never place unused product down any indoor or outdoor drain.

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## **LIMITED WARRANTY AND DISCLAIMER**

FOR USE ONLY AS DIRECTED.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. If these terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full. The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere.

## **APPENDIX**

### **1. Statements which may appear on different label components depending on packaging configuration.**

- See next panel for additional Precautionary Statements and First Aid
- Net Contents: \_\_\_\_\_
- EPA Est. No. \_\_\_\_\_

### **2. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:**

- One quart covers 8,000 to 16,000 square feet.
- Controls 34 troublesome weeds in lawns.
- This concentrated formulation covers up to 16,000 square feet per quart.
- One quart of product may treat up to 16,000 square feet of lawns established with St. Augustinegrass and centipedegrass.
- Kills (Controls) troublesome weeds, dandelion, chickweed, clover, and many others.

## **DOCUMENT CONTROL INFORMATION**

1. **Unique Label Identifier:** 002217-00597.20100215.resub-proposed-clean.doc

2. **Reason for Issue:** Respond to EPA comments, PRN 2007-4