

2217-493

3/25/2009

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460**

EPA Reg. Number:

Date of Issuance:

**2217-493**

**25 MAR 2009**

**NOTICE OF PESTICIDE:**

- Registration
- Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

**Trimec 869 Herbicide**

Name and Address of Registrant (include ZIP Code):

**PBI/Gordon Corp.  
1217 West 12<sup>th</sup> Street  
P.O. Box 014090  
Kansas City, MO 64101**

**Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.**

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following label changes:
  - a. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to include the text "Harmful if swallowed." Also, revise the third sentence to read "Do not get in eyes, on skin or on clothing" and delete the text "Avoid contact with skin."
  - b. Under the Personal Protective Equipment section, add the text "(PPE)" immediately following the section heading. In addition, due to the acute toxicity review, revise the glove statement "chemical-resistant gloves (except for applicators using ground boom equipment)" to read "chemical-resistant gloves."
  - c. The early entry PPE must be revised to read:  
  
"coveralls worn over short-sleeved shirt and short pants,  
chemical-resistant footwear plus socks,  
chemical-resistant gloves made of any waterproof material,  
chemical-resistant headgear for overhead exposure,  
protective eyewear."

Signature of Approving Official:

Date:

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

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- d. The following text must be added to the label:

“Do not apply by aerial application.”

- e. Under the **Limitations on spot treatments for ornamental turfgrass** section, add the text “Limited to 2 applications per year with a minimum of 30 days between applications.”
- f. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to include the text “Harmful if absorbed through skin.”
- g. Correct the Environmental Hazard statement to read as follows:

This pesticide **is** toxic to fish and aquatic invertebrates....

- h. Add the following statements to the labeling:

Use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01-0132 C, (W.D. WA). For further information, please refer to EPA Web Site: <http://www.epa.gov/espp>.

A stamped copy of your labeling is enclosed for your records. Submit one copy of the revised final printed label for the record before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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# TRIMEC® 869 HERBICIDE

## EPA Reg. No. 2217-493

USE THIS PRODUCT ONLY IN ACCORDANCE WITH ITS LABELING AND WITH THE WORKER PROTECTION STANDARD 40CFR PART 170.

### ACTIVE INGREDIENT:

Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid .....	10.89%
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid .....	20.36%
Dimethylamine salt of dicamba (3,6-dichloro-o-anisic acid) .....	2.06%
INERT INGREDIENTS: .....	66.69%
TOTAL.....	100.00%

### THIS PRODUCT CONTAINS:

- 0.82 lbs. (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per ton or 9.00%
  - 1.54 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 16.92%
  - 0.15 lbs. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.71%
- Isomer Specific by AOAC Methods.

TRIMEC® is a registered trademark of PBI/GORDON CORPORATION

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
25 MAR 2009

## KEEP OUT OF REACH OF CHILDREN

## DANGER - PELIGRO

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

2217-493

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 some one to explain it to you in detail.)

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

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### Personal Protective Equipment

Some materials that are chemical-resistant to this product are natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- protective eyewear,
- long-sleeved shirt and long pants,
- shoes and socks, plus
- chemical-resistant gloves (except for applicators using ground boom equipment) and



- chemical -resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

### User Safety Requirements

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

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

### User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should 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

<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. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</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 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 the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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 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. You may also contact 1-877-800-5556 for emergency medical treatment advice.</p>	
<p><b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

### Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters 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.

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## **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 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 statements on this label about personal protective equipment 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 48 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 made of any water-proof material,
- protective eyewear.

### **Non-Agricultural Use Requirements**

The requirements in 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.

**Reentry Statement:** Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

### **ORNAMENTAL LAWNS, ORNAMENTAL TURFGRASS AND SOD FARMS:**

This product is intended to be applied by lawn care operators, maintenance applicators, and service technicians for use in ornamental lawns and turf established in institutional, ornamental, and residential/domestic sites. Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities (golf courses), and office buildings. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings. Residential/domestic sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes. Trimec® 869 Herbicide is intended for use on sod farms. Trimec® 869 Herbicide provides selective broadleaf weed control in warm season turfgrass and cool season turfgrass.

**APPLICATION SCHEDULES:**

Apply this product to emerged broadleaf weeds that are actively growing. Sequential or follow-up applications may be required for dense infestations of perennial and biennial weeds. If required, the treatment interval between the first and second application should be 30 days.

**APPLICATION RATES:**

Dosage rates and spray volume recommendations of this product are presented in Table 1.

The herbicide recommendations are based upon three (3) levels of management.

Management Category	Rate Recommendations	Typical Cultural Practice	Examples
Class A	See Table 1	frequent mowing, fertilization, pesticide control, irrigation	fairways, sportfields, high quality home lawns, improved industrial grounds, parks, sod farms, some cemeteries
Class B	See Table 1	frequent mowing with occasional herbicide and fertilizer applications	industrial grounds, most cemeteries, golf course roughs, most home lawns, fairgrounds,
Class C	See Table 2	infrequent mowing and occasional herbicide applications	highway rights-of-way (principal, interstate, county, private, and unpaved roads), roadsides, industrial sites, airports

**TABLE 1. Rate recommendations for broadcast applications of Trimec® 869 Herbicide under Class A and B levels of management.**

Species	Amount of Product Pints/Acre	Spray Volume Gallons/Acre
<b>Cool Season Turf</b>		
Kentucky Bluegrass	4.0 to 5.0	5 to 175
Perennial Ryegrass	4.0 to 5.0	5 to 175
Fescue spp.	4.0 to 5.0	5 to 175
Creeping Bentgrasses	2.0 to 3.0	5 to 175
<b>Warm Season Turf</b>		
Common Bermudagrass	3.0 to 4.0	5 to 175
Hybrid Bermudagrass	3.0 to 4.0	5 to 175
Bahiagrass	3.0 to 4.0	5 to 175
Zoysiagrass	3.0 to 4.0	5 to 175

**TABLE 2. Rate recommendations for broadcast applications of Trimec® 869 Herbicide under Class C levels of management.**

Species	Amount of Product Pints/Acre	Spray Volume Gallons/Acre
<b>Cool Season Turf</b>		
Kentucky Bluegrass	4.75 to 6.25	5 to 175
Perennial Ryegrass	4.75 to 6.25	5 to 175
Fescue spp.	4.75 to 6.25	5 to 175
Mixtures of cool season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth brome grass, and orchardgrass)	4.75 to 6.25	5 to 175
<b>Warm Season Turf</b>		
Common Bermudagrass	3.0 to 5.0	5 to 175
Bahiagrass	3.0 to 5.0	5 to 175
Zoysiagrass	3.0 to 5.0	5 to 175

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Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

**Limitations on broadcast treatments for ornamental turfgrass:**

The maximum application rate is 6.25 pints of product per acre per application (1.20 lbs 2,4-D ae, 0.64 lb MCP-P ae, 0.12 lb dicamba 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 12.5 pints of product per acre (2.41 lbs 2,4-D ae, 1.28 lb MCP-P ae, 0.23 lb dicamba ae per acre).

**Limitations on broadcast treatments for sod farms:**

The maximum application rate is 6.25 pints of product per acre per application (1.20 lbs 2,4-D ae, 0.64 lb MCP-P ae, 0.12 lb dicamba per acre per application). The maximum number of broadcast applications is limited to 2 per year with a minimum of 21 days between applications. The maximum seasonal rate is 12.5 pints of product per acre (2.41 lbs 2,4-D ae, 1.28 lb MCP-P ae, 0.23 lb dicamba ae per acre).

**Limitations on spot treatments for ornamental turfgrass:**

Spot treatment is defined as a treatment area no greater than 1,000 sq.ft. per acre. The maximum application rate is 2.0 fl.oz. of product per 1,000 sq.ft. per application (0.56 lb MCP-P acid equivalent per acre).

**USE PRECAUTIONS:**

- Do not apply this product through any type of irrigation system.
- Do not pour spray solutions near these plants.
- Do not apply this product to bentgrass greens, carpetgrass, dichondra, legumes, and lawns where desirable clovers are present.
- Do not apply this product to St. Augustinegrass and centipedegrass.
- Do not exceed specified dosages for any area.
- Do not apply to newly seeded grasses until well established (2 mowings).
- Do not broadcast apply when air temperatures exceed 85°F; some injury may occur with spot treatments when air temperatures exceed 85°F.
- Seed can be sown 3 to 4 weeks after application at recommended rates.
- Environmental conditions and certain spray tank additives (eg. adjuvants, wetting agents, surfactants), liquid fertilizers, and tank mixtures containing emulsifiable concentrates may reduce the selectivity on the turfgrass.
- 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.

**Spray Drift Management**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Droplet Size**

Use only Medium or coarser spray nozzles according to ASAE (S 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed**

Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

**Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**Susceptible Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

**Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

This product controls a wide spectrum of weed species including the following:

PARTIAL LIST OF BROADLEAF WEEDS			
Aster, white heath & white prairie	Deadnettle	Lawn burweed	Red sorrel (*sheep sorrel)
Bedstraw	Dock	Lespedeza, common	Shepherdspurse
Beggarweed, creeping	Dogfennel	Mallow, common	Spotted spurge
Bindweed	English daisy	Matchweed	Spurge
Black medic	False dandelion (*spotted catsear & common catsear)	Mouseear chickweed	Thistle
Broadleaf plantain	Field bindweed	<i>Oxalis</i> (*yellow woodsorrel & creeping woodsorrel)	<i>Veronica</i> (*corn speedwell)
Buckhorn plantain	(*morningglory & creeping jenny)	Parsley-piert	Virginia buttonweed
Bull thistle	Field oxeye-daisy (*creeping oxeye)	Pennsylvania smartweed	White clover (*Dutch clover, honeysuckle clover, white trefoil & purplewort)
Burclover	Filaree, whitestem & redstem	Pennywort (*dollarweed)	Wild carrot
Burdock, common	Florida pusley	Pepperweed	Wild garlic
Buttercup, creeping	Ground ivy	Pigweed	Wild geranium
Carpetweed	Groundsel	Pineappleweed	Wild lettuce
Chickweed, common	Hawkweed	Plantain	Wild mustard
Chicory	Healall	Poison ivy	Wild onion
Cinquefoil	Henbit	Poison oak	Wild strawberry
Clover	Lambsquarters	Prostrate knotweed (*knotweed)	Wild violet
Compassplant		Puncturevine	Yarrow
Curly dock		Purslane	Yellow rocket
Dandelion		Ragweed	
Dayflower			
*Synonyms			



## **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep from freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** For Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. For Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

## **LIMITED WARRANTY AND DISCLAIMER**

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. \_\_\_\_\_

## **DOCUMENT CONTROL INFORMATION**

**1. Unique Label Identifier:** 002217-00493.20080807.proposed.doc

**2. Reason for Issue:** Various changes pertaining to re-registration. Re-format label.