



2217-785

10/19/2001

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

OCT 19 2001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Craig Martens  
PBI Gordon Corporation  
P.O. Box 014090  
Kansas City, MO 64101-0090

Dear Mr. Martens:

Subject: Conversion from MCPP to MCPP-p  
M 886 Herbicide  
EPA Registration Number: 2217-785  
Your Submission Dated August 14, 2001

The Agency is conditionally approving an amendment to the registration for the above-referenced product under the authority of section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under this amendment the Agency is approving the conversion for the active ingredient mecoprop from its racemic form [2-(2-methyl-4-chlorophenoxy)propionic acid, or applicable salt thereof] to its single isomer form [(+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid, or applicable salt thereof]. The revised labeling and Confidential Statements of Formula (CSFs) submitted in support of the conversion are acceptable with the following provisions:

1. This acceptance is based on our understanding that no changes have been made to the product other than those specified within the body of your certification statement and cover letter dated August 14, 2001. No other revisions are being reviewed or considered with this action.
2. You may sell or distribute product containing the racemic form of mecoprop and bearing the previously approved labeling for 18 months from the date of this letter.

A copy of the revised CSF (Basic Formulation dated August 13, 2001) has been placed in the Agency's file for the subject product. This CSF supersedes all previously submitted CSFs for this product.

A stamped copy of the labeling is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment.

If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391.

Sincerely yours,



for

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

Enclosure

# M 886 HERBICIDE

**ACTIVE INGREDIENTS:**

Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid ...	1.86%
Dimethylamine salt of 2-methyl-4-chlorophenoxyacetic acid.....	2.05%
Dimethylamine salt of dicamba: 3,6-dichloro-o-anisic acid .....	0.41%

INERT INGREDIENTS:.....	95.68%
<b>TOTAL</b>	<b>100.00%</b>

**THIS PRODUCT CONTAINS:**

- 0.13 lb. (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 1.54%
  - 0.14 lb. 2-methyl-4-chlorophenoxyacetic acid equivalent per gallon or 1.67%
  - 0.03 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 0.34%
- TRIMEC® is a registered trademark of PBI/GORDON CORPORATION.  
Contains the single isomer form of Mecoprop-p.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional Precautionary Statements and the Statement of Practical Treatment.

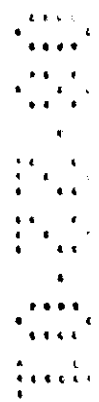
**NET CONTENTS ONE QUART (NET WEIGHT: 2 LBS. 2 OZ.)**

APXXXXXX  
 EPA REG. NO 2217-785 Amend  
 EPA EST NO 2217-KS-X  
 MANUFACTURED BY:



**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
 OCT 19 2001

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
2217-785





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

### **PRECAUTIONARY STATEMENTS**

#### **Hazards to Humans & Domestic Animals**

**CAUTION:** Harmful if inhaled or if absorbed through the skin. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wear long pants, long-sleeved shirt and shoes when applying this product. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

#### **Statement of Practical Treatment**

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

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

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

#### **ENVIRONMENTAL HAZARDS:**

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **For Refill Containers Only:**

When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.

### **DIRECTIONS FOR USE**

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

Do not reenter or permit others to reenter treated area until sprays have dried or dusts have settled. Not for use on turf being grown for sale, or other commercial use as sod, or for commercial seed production, or for research purposes.

### **STORAGE & DISPOSAL**

**STORAGE:** Keep from freezing. Store in original container in a locked storage area inaccessible to children. Do not store near food or feedstuffs. To prevent cross-contamination, do not store near other fertilizers, insecticides, fungicides, or seeds.

**PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** Do not reuse container. Rinse thoroughly before discarding in trash.

### **WHERE TO USE:**

M886 Herbicide provides selective broadleaf control in warm season turfgrass in residential/domestic areas. Established turf of bahiagrass, bermudagrass, centipedegrass, St. Augustinegrass, and zoysiagrass may be treated. Residential/domestic areas include turfgrass established around residences, apartment complexes, condominiums, vacant lots, or areas associated with households.

Do not apply this product to carpetgrass, dichondra, ornamentals, or lawns containing desirable clovers.

Do not apply this product to Floratam or other improved varieties of St. Augustinegrass in Florida.

**WEEDS CONTROLLED:**

M886 Herbicide is especially effective on hard to control broadleaf weeds including poison ivy, poison oak, sheep sorrel, and spurge. M886 Herbicide controls chickweed, clover, dandelion, knotweed, plantain, and a partial list of susceptible weeds shown below:

- WEEDS -			
Bedstraw	Dock	Mustard	Speedwell
Black medic	Galinsoga	Oxalis	Spurge
Buckhorn	Ground ivy	Peppergrass	Tansy mustard
Bull thistle	Hawkweed	Pigweed	Thistle
Burdock	Healall	Plantain	Velvetleaf
Buttercup	Henbit	Poison ivy	Wild carrot
Chicory	Knotweed	Poison oak	Wild garlic
Cnickerweed	Lambsquarters	Purslane	Wild lettuce
Clover	Lespedeza	Ragweed	Wild onion
Cocklebur	Mallow	Sheep sorrel	Yarrow
Dandelion	Morningglory	Shepherdspurse	

**WHEN TO USE:**

The best control of weeds in established turf will be obtained from spring or early fall applications when weeds are actively growing. However, this product is effective anytime during the growing season.

Schedule the application to match the conditions of adequate soil moisture and air temperatures of 60° to 90°F.

The tolerance of warm season grasses to this product is lower during spring green-up when compared to full green-up. Intermittent periods of cold ( $\leq 45^{\circ}\text{F}$ ) and warm weather ( $\geq 70^{\circ}\text{F}$ ) after herbicide application during spring green-up may decrease turf quality.

If this product is applied to St. Augustinegrass during spring green-up, then use two applications at one-half of the recommended dosage rate per application to minimize turf injury and to improve perennial weed control. The interval between the first and second applications should be 10 to 14 days.

Do not apply this product when turfgrass is under stress from drought, insect attack, or high temperatures ( $\geq 90^{\circ}\text{F}$ ). Avoid applications to St. Augustinegrass when the air temperature is greater than 90°F with high relative humidity.

**APPLICATION SUGGESTIONS:**

1. Delay mowing 3 to 4 days before and after the application of this product.
2. Do not apply this product immediately before rainfall or irrigation. Also, rainfall or irrigation within 24 hours after application may reduce the effectiveness. Do not irrigate or water the turfgrass within 24 hours after application.
3. Treated areas of common bermudagrass and bahiagrass may be reseeded 3 to 4 weeks after application.
4. Low rates of this product may be used on newly sodded, sprigged or plugged lawns of bermudagrass, centipedegrass, St. Augustinegrass, and zoysiagrass. Treatments of newly established areas should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations. Use one-half of the recommended dosage rate per application.
5. Do not allow spray to drift to vegetables, flowers, ornamental plants, shrubs, trees, and other desirable plants since injury may result.

**HOW MUCH TO USE:**

Apply M886 Herbicide at 6.4 fluid ounces of product per 1,000 square feet of turf. If additional treatments are needed, then the interval between the first and subsequent applications should be 3 to 4 weeks.

One quart of M886 Herbicide will treat 5,000 square feet of turf.

One half gallon of M886 Herbicide will treat 10,000 square feet of turf.

**INSTRUCTIONS FOR HOSE END SPRAYERS:**

**(One of the following will be used depending on the types of hose-end sprayers.)**

**OPTION (A)**

1. Connect spray nozzle to garden hose.
2. Shake contents of bottle well.
3. Remove safety cap.
4. Attach tube to nozzle applicator.
5. Attach bottle to open end of spray nozzle. Turn bottle counterclockwise until threads mesh. Then turn the bottle clockwise until tightly closed.
6. Turn on water; place finger over hole on right side of nozzle and proper ratio will automatically be dispersed. Spray directly onto turfgrass evenly and uniformly. (Check handy measuring guide to see how much of this liquid has been used.)

**OPTION (B)**

Connect spray nozzle to garden hose; remove safety cap from container, attach tube applicator and insert tube section. Attach container to end of nozzle.

Turn on water; place finger over hole on right side of nozzle and proper ratio will automatically be dispersed. Spray directly onto turfgrass evenly and uniformly. (Check handy measuring guide to see how much liquid has been used.)

**OPTION (C)**

1. Attach garden hose to connector on dispenser.
2. Insert screwdriver into slot in orange lock ring and twist, snapping lock ring in two.
3. Remove both parts of separated lock ring.
4. Turn arrow on activator switch to OFF position.
5. Push activator switch securely down against top of sprayer, which will pierce the safety seal inside the dispenser.
6. To begin spraying, turn on water and then move activator switch to the ON position.
7. To stop dispensing the product, turn off water.

**OPTION (D)**

1. Attach spray nozzle to garden hose. Turn nozzle clockwise to firmly attach it to hose.
2. Remove cap from bottle (directions on cap) and screw bottle into spray nozzle.
3. Turn the ON/OFF switch on top of the spray nozzle counterclockwise to the OFF position. Then turn on the water at the faucet.
4. To begin spraying, turn the sprayer nozzle switch clockwise to the ON position. The water automatically mixes with the product. Walk at a steady pace spraying in a side to side arc, slightly overlapping treated areas. Refer to graduated scale on side of container to guide coverage.
5. To stop spraying, turn the sprayer nozzle switch counterclockwise to the OFF position and turn off water at the faucet.

**LIMITED WARRANTY AND DISCLAIMER.**

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.