

2217-786

9/19/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. Craig Martens
PBI/Gordon Corporation
P.O. Box 014090
Kansas City, Missouri 64101

SEP 19 2001

Dear Mr. Martens:

SUBJECT: M887 Herbicide
EPA Registration No. 2217-786
Application and Letter Dated August 21, 2001, Request To Amend Registration: Conversion To MCPPP-p, with Fast Track Review with Revised Basic and Alternate Formulations on EPA Form 8570-4, Confidential Statements of Formula (CSF), Basic and Alternate Formulations

The proposed amendment to the registration of the subject pesticide product is conditionally accepted under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under this amendment this Agency is approving the conversion of the active ingredient mecoprop from its racemic forms [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 in support of the conversion is acceptable with the following provisions.

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

A stamped copy of the labeling is enclosed for your records. This labeling supersedes all previous accepted labeling. Submit one copy of your final printed labeling before you release the product for shipment.

Sincerely yours,

Eugene M. Wilson
for Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

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M 887 HERBICIDE

- KEEP FROM FREEZING -

ONE QUART COVERS UP TO 5,000 SQUARE FEET.

CONTROLS DANDELION, CHICKWEED, KNOTWEED, HENBIT,
PLANTAINS, CLOVER, SPURGE, AND OTHER BROADLEAF LAWN
WEEDS SHOWN ON THIS LABEL.

No Spreading - No Complicated Mixing

Just attach to a garden hose and spray.

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2-methyl-4-chlorophenoxyacetic acid.....	5.63%
Dimethylamine Salt of (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid...	1.33%
Dimethylamine Salt of dicamba: 3,6-dichloro-o-anisic acid.....	0.61%

INERT INGREDIENTS:.....	92.43%
TOTAL	100.00%

THIS PRODUCT CONTAINS:

- 0.39 lbs 2-methyl-4-chlorophenoxyacetic acid equivalent per gallon or 4.59%
- 0.09 lbs (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 1.10%
- 0.04 lbs 3,6-dichloro-o-anisic acid equivalent per gallon or 0.51%

Contains the single isomer form of Mecoprop-p.

TRIMEC® is a registered trademark of PBI/GORDON CORPORATION.

KEEP OUT OF REACH OF CHILDREN

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 19 2001

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

2217-786

CAUTION

See side panel for Precautionary Statements and the First Aid.

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

787/ APxxxxxx
EPA REG. NO 2217-786 Amend
EPA EST NO 2217-KS-X
MANUFACTURED BY:



KANSAS CITY, MO 64101



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

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PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if inhaled. Harmful if absorbed through 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.

First Aid

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. Do not apply when weather conditions favor drift from target area.

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. Avoid contamination of food or feedstuffs.

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:

M887 Herbicide provides selective broadleaf control in cool season and warm season turfgrass in residential/domestic areas. Established turf of Kentucky bluegrass, bentgrass, perennial ryegrass, tall fescue, and the fine fescues may be treated. Also, established turf of St. Augustinegrass, bahiagrass, bermudagrass, centipedegrass, 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, kikuyugrass, ornamentals, 'Floritam' St. Augustinegrass, or lawns containing desirable clovers.

WEEDS CONTROLLED:

M887 Herbicide is especially effective on hard to control broadleaf weeds including poison ivy, poison oak, sheep sorrel, and spurge. M887 Herbicide controls chickweed, clover, dandelion, knotweed, plantains, and a partial list of susceptible weeds shown below: (Refer to the appendix for additional weeds that may be presented on the retail containers.)

- WEEDS -		
Bedstraw	Healall	Purslane
Black Medic	Henbit	Ragweed
Buckhorn	Knotweed	Sheep Sorrel
Bull Thistle	Lambsquarters	Shepherdspurse
Burdock	Lespedeza	Speedwell
Buttercup	Mallow	Spurge
Chickweed	Morningglory	Tansy Mustard
Chicory	Mustard	Thistle
Clover	Oxalis	Velvetleaf
Cocklebur	Peppergrass	Wild Carrot
Dandelion	Pigweed	Wild Garlic
Dock	Plantain	Wild Lettuce
Galinsoga	Poison Ivy	Wild Onion
Ground Ivy	Poison Oak	Yarrow
Hawkweed		

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.

Spraying should be done when weeds are young. Older weeds are more difficult to control and may require a retreatment in 3 to 4 weeks.

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 warm season grasses 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 ($\geq 90^{\circ}\text{F}$).

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, bahiagrass, and the cool season turfgrasses 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 hybrid bermudagrass, bahiagrass, 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:***Kentucky bluegrass, Fescue spp. Perennial Ryegrass, and Zoysiagrass:***

Apply M887 Herbicide at 6.4 fluid ounces of product per 1,000 square feet of turf. If additional applications are needed, then the application interval should be 3 to 4 weeks.

One quart of M887 Herbicide will treat up to 5,000 square feet of turf.

One half gallon of M887 Herbicide will treat up to 10,000 square feet of turf.

St. Augustinegrass, Bentgrass, Bahiagrass, Buffalograss, Bermudagrass, and Centipedegrass:

Apply M887 Herbicide at 4.0 fluid ounces of product per 1,000 square feet of turf. If additional applications are needed, then the application interval should be 3 to 4 weeks.

One quart of M887 Herbicide will treat up to 8,000 square feet of turf.

One half gallon of M887 Herbicide will treat up to 16,000 square feet of turf.

This product may be injurious to St. Augustinegrass, bentgrass, and centipedegrass under conditions of high temperatures and high relative humidity. Slight temporary discoloration of St. Augustinegrass may occur under these conditions in cases of misapplication. Do not use this product on 'Floritam' St. Augustinegrass in Florida.

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.)

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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.

MEASURING GUIDE

1,000 SQ. FT. COVERAGE

3,000 SQ. FT. COVERAGE

5,000 SQ. FT. COVERAGE WHEN EMPTY

APPENDIX

I. Advertising claims that may be presented on the retail containers of supplemental registrants:

- ◆ Won't harm your lawn when used according to label directions.
- ◆ Kills broadleaf weeds down to the root without harming the lawn when used according to instructions.
- ◆ Water based formula.
- ◆ Eliminates over (XX number) broadleaf lawn weeds without harming lawn grasses.
- ◆ Kills weeds in bluegrass, fescue, ryegrass, bermudagrass, bahiagrass, bentgrass, centipedegrass, St. Augustinegrass, and zoysiagrass. Not for use on kikuyugrass, dichondra or carpetgrass.
- ◆ Kills over (XX number) weeds.
- ◆ Treats northern and southern grasses.
- ◆ Contains MCPA, MCPP, and dicamba.
- ◆ Contains Trimec® herbicide.
- ◆ *[Additional claims for Weed-Away® Ready-to-Spray only:]*
 - ◇ Convenient hose end spray attachment - no messy mixing required.
 - ◇ Covers up to 8,000 square feet.
 - ◇ Ready-to-use. No mixing.

II. Weed List for M887 Herbicide:

- ◆ Controls (Number) weeds! (Listing of weeds may include the following.)

- WEEDS -		
Aster	False dandelion	Poison oak
Bedstraw	Frenchweed	Prickly lettuce
Bindweed	Galinsoga	Prostrate vervain
Black medic	Ground ivy	Puncturevine
Brassbuttons	Hairy fleabane	Purslane
Buckhorn	Hawkweed	Ragweed
Burdock	Healall	Red sorrel
Buttercup	Hemp	Rough cinquefoil
Chickweed, common	Henbit	Scarlet pimpernel
Chickweed, mouseear	Knotweed, prostrate	Shepherdspurse
Chicory	Lespedeza	Speedwell
Clover, crimson	Mallow	Spotted catsear
Clover, hop	Matchweed	Spurge, prostrate
Clover, red	Morningglory	Spurge, spotted
Clover, white	Oxalis	Tansy mustard
Cockle	Pennywort	Thistle
Cudweed	Peppergrass	Velvetleaf
Daisy, English	Pigweed	Virginia buttonweed
Daisy, oxeye	Pigweed, prostrate	Wild carrot
Dandelion	Plantain, blackseed	Wild garlic
Dock, broadleaf	Plantain, bracted	Wild lettuce
Dock, curly	Plantain, broadleaf	Wild onion
Dollarweed	Plantain, narrowleaf	Yarrow
Elderberry	Poison ivy	and many other broadleaf weeds

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III. Addition of advisory statements and nonpesticidal claims per PR Notice 95-2.

- ◆ Safer® Weed-Away (Product Brand Name) contains Safer's (Company Name)'s unique Weed-Marker™ (Colorant brand name) colorant. Treated areas will be marked by a green colorant, making areas sprayed clearly visible. Weed-Marker™ (Colorant brand name) helps avoid over application and allows immediate detection of overspray onto desirable plants: if overspray occurs, immediately rinse off exposed plant surface areas with water. The Weed-Marker™ (Colorant brand name) colorant breaks down quickly and will be immediately removed by watering or rains. NOTE: Some staining may occur if Weed-Marker™ (Colorant brand name) comes into contact with clothing or shoes. Shoes should be checked for staining after application so that the colorant will not transfer onto carpets. Remove contaminated clothing and wash clothing before reuse. The Weed-Marker™ (Colorant brand name) colorant can be removed by normal laundering.
- ◆ Contains Weed Marker™ Colorant. Details on inside back panel.
- ◆ Ready to spray!
- ◆ One quart covers up to 8,000 square feet for warm season grasses.
- ◆ Always shake well before using.
- ◆ Colorant Green
- ◆ Safer's Weed-Away sprayed with Safer's Weed-Marker™ Colorant
- ◆ Safer's Weed-Marker™ colorant is safe to use on lawns and gardens. It will not harm desirable plants. If you have sprayed, be sure to remove any overspray immediately.
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