

PM 23

2217-739

10/29/98

page 1 of 5



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

OCT 29 1998

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

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

Dear Mr. Martens:

Subject: Conversion from MCPP to MCPP-p
DM 896
EPA Registration Number: 2217-739
Your Submission Dated September 14, 1998

The Agency is conditionally approving an amendment to the registration of 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 of 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 Statement(s) of Formula submitted in support of the conversion are acceptable with the following provisions:

1. This acceptance is based on your certification that no changes have been made to the Confidential Statement(s) of Formula (CSF) 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 product containing the racemic form of mecoprop, or applicable salt thereof, and bearing the previously approved labeling for 18 months from the date of this letter.

A copy of the revised Confidential Statement of Formula (Basic Formulation, dated 09/14/98) has been placed in the Agency's file for the subject product. This CSF supersedes all previously submitted CSFs for this product.

Ji Cooke
10/29/98

Internet Address (URL) • <http://www.epa.gov>

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on Recycled Paper (Minimum 25% Postconsumer)

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

Sincerely yours,

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

Enclosure

3 7 5

DM 896

TURF HERBICIDE

FOR THE CONTROL OF BROADLEAF WEEDS IN BLUEGRASS, FESCUE, BERMUDAGRASS, AND BENTGRASS TURF.

ACTIVE INGREDIENTS:

Dimethylamine salt of 2,4-dichlorophenoxyacetic acid.....	24.6%
Dimethylamine salt of 2-(2-methyl-4-chlorophenoxy)propionic acid.....	25.8%
Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid.....	12.9%
INERT INGREDIENTS:	49.6%
INERT INGREDIENTS	62.5%
TOTAL	100.0%

THIS PRODUCT CONTAINS:

1.94 ~~1.88~~ lb. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 20.4%
 2.03 lb. 2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 21.3%
 0.99 lb. (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 10.7%
 Isomer Specific by AOAC Methods.

CONTAINS SINGLE ISOMER FORM OF MECOPROP-p

KEEP OUT OF REACH OF CHILDREN

DANGER

Statement of Practical Treatment

- IF IN EYES:** In case of eye contact, immediately flush eyes with plenty of water for 15 minutes. Call a physician at once.
- IF ON SKIN:** Wash promptly with soap and water. Rinse thoroughly. If irritation develops, get medical attention.
- IF SWALLOWED:** Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.
- NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate use of gastric lavage.
- IF INHALED:** Remove victim to fresh air and apply respiration if indicated.

See additional Precautionary Statements elsewhere on this label.

NET CONTENTS (5, 30, 55) GALLONS

853/ APXXXXXX
 EPA REG. NO. 2217-739
 EPA EST. NO. 2217-KS-1
 MANUFACTURED BY:



ACCEPTED
 with COMMENTS
 In EPA Letter Dated

OCT 29 1995

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

2217-739



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

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or clothing. When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection. Wear face shield or goggles when mixing, loading or applying this product.

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

Containers over 1 gallon and less than 5 gallons: Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

Containers of 5 gallons or more: A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

ENVIRONMENTAL HAZARDS:

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not apply when weather conditions favor drift from target area.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried or dusts has settled.

FOR USE ON RESIDENTIAL AND OTHER TURF SITES EXCLUDING SOD FARMS.

STORAGE & DISPOSAL

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

STORAGE: Store in original container in a locked storage area. Keep from freezing.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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. 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.

USE PRECAUTIONS:

Do not apply this product through any type of irrigation system. Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near nontarget plants. Do not use on warm season grasses, such as St. Augustinegrass, centipedegrass, dichondra, or on lawns and turf where desirable clovers are present. *NOTE: Coarse sprays are less likely to drift. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species. Do not broadcast apply when air temperatures exceed 85°F; some injury may be expected with spot treatments when air temperatures exceed 85°F. Seed can be sown 3 to 4 weeks after application. Do not contaminate domestic or irrigation waters. After using this product, clean sprayer thoroughly with soap or detergent and water and rinse thoroughly before applying other pesticides. Failure to observe the above precautions may result in injury.*

GENERAL INFORMATION AND INSTRUCTIONS:

DM 896 is a selective herbicide for the control of broadleaf weeds in bluegrass, fescue, bermudagrass, and bentgrass turf. Do not use this product on closely-mowed bentgrass or bermudagrass as on golf greens or tees. Weeds are best controlled when they are young and actively growing.

WEEDS CONTROLLED:

Susceptible -- dandelion, clover, common chickweed, mouseear chickweed, plantain, pigweed, ragweed and lambsquarters.

Moderately Susceptible -- knotweed, black medic, English daisy, dock, purslane, oxalis, mallow.

APPLICATION RATE:

For established turf, apply 1 to 1 1/4 fluid ounces for 1,000 square feet (2 2/3 pints to 3 1/3 pints per acre) in 1 to 2 gallons of water per 1,000 square feet (40 to 80 gallons per acre). Use higher rates when hard-to-kill weeds are present. Maximum control of weeds will be obtained from spring or early fall applications when weeds are actively growing. Avoid applying during periods when turf is under stress from drought or extreme heat. Do not water for 24 hours after application. Do not apply to newly seeded turf until after the second or third mowing.

The maximum application rate to turf is 0.9 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

NOTE: Use application equipment that is capable of applying uniform droplets over the entire area to be covered.

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.