

2217-741

6-30-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

JUN 30 2003

Dear Mr. Martens:

SUBJECT: Conversion from 2,4-DP and MCP P to 2,4-DP-p and MCP P-p
DMDP 898 Liquid Weed & Feed
EPA Registration No. 2217-741
Your Submission Dated February 19, 2003

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 ingredients, dichlorprop and mecoprop, from their racemic forms [2-(2,4-dichlorophenoxy) propionic acid and 2-(2-methyl-4-chlorophenoxy) propionic acid, or applicable salts thereof] to their single isomer forms [(+)-R-2-(2,4-dichlorophenoxy) propionic acid and (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid, or applicable salts thereof]. The revised labeling and Confidential Statement(s) of Formula submitted in support of the conversion are acceptable with the following provisions:

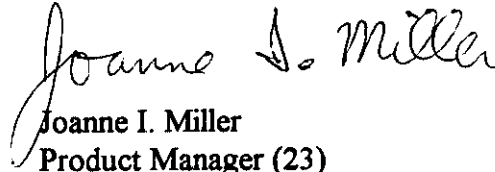
1. This acceptance is based on your certification that no changes have been made to the Confidential Statement(s) of Formula (CSF) or the product labeling other than those specified within the body of your certification statement. No other revisions are being reviewed or considered with this action.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

A copy of the revised Confidential Statement(s) of Formula (Basic Formulation dated February 19, 2003 has been placed in the Agency's file for the subject product. This CSF supersedes all previously submitted CSFs for this product.

7505C								
Martens								
6/27/03								

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,

A handwritten signature in cursive script that reads "Joanne I. Miller". The signature is written in black ink and is positioned above the printed name and title.

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

Enclosure

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DMDP 898

LIQUID WEED & FEED

ACTIVE INGREDIENTS:

Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	3.25%
Dimethylamine salt of (+)-R-2-(2 methyl-4-chlorophenoxy)propionic acid	1.63%
Dimethylamine salt of (+)-R-2-(2,4-dichlorophenoxy)propionic acid	1.61%
INERT INGREDIENTS:	<u>93.51%</u>
TOTAL	100.00%

THIS PRODUCT CONTAINS:

- 0.26 lbs 2,4-dichlorophenoxyacetic acid equivalent per gallon or 2.70%
- 0.13 lbs (+)-R-2-(2 methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 1.35%
- 0.13 lbs (+)-R-2-(2,4-dichlorophenoxy)propionic acid equivalent per gallon or 1.35%
- Isomer Specific by AOAC Methods.
- Contains the single isomer form of Mecoprop-p and 2,4-DP-p.

20-0-0 GUARANTEED ANALYSIS	
Total Nitrogen (N).....	20%
20% Urea Nitrogen Derived From Urea.	

15-0-0 GUARANTEED ANALYSIS	
Total Nitrogen (N).....	15%
15% Urea Nitrogen Derived From Urea.	

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional Precautionary Statements and First Aid.

NET CONTENTS: ONE QUART (NET WEIGHT: 2 LBS. 6 OZ)

723/ AP-----
 EPA REG. NO. 2217-741 Amend
 EPA EST. NO. 2217-KS-1
 MANUFACTURED BY:



Telephone: 1-800-821-7925

ACCEPTED
JUN 30 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 227-741

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Causes eye irritation. Harmful if absorbed through the skin or inhaled. Avoid contact with eyes, skin or clothing. Wear goggles when applying this product. When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber gloves.

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.

First Aid

If in eyes:	<ul style="list-style-type: none"> • 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 eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have the person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
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.	

ENVIRONMENTAL HAZARDS:

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. 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. If spills occur, collect the material and dispose of by following disposal instructions on this label.

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 dust has settled.

STORAGE AND DISPOSAL

STORAGE: Keep from freezing. Store in original container in a locked storage area inaccessible to children. Do not store near food or feedstuffs. Avoid contamination of food or feedstuffs.

CONTAINER DISPOSAL:

If Empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

USE PRECAUTIONS:

Do not allow spray to drift to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result. Do not spray where grass is emerging from dormancy. Do not apply to newly seeded lawn grasses until well established. Do not spray when the temperatures exceed 85°F. Seed can be sown 3 to 4 weeks after application. Do not use on carpetgrass, dichondra, closely-mowed bentgrass, nor on lawns or turf where desirable clovers are present. This treatment may cause temporary injury (chlorosis or slight yellowing) to St. Augustinegrass and centipedegrass; however, this discoloration will disappear 7 to 10 days after application. Cultivars vary in tolerance to this product. Do not use this product on 'Floritam' St. Augustinegrass. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area; be particularly careful within dripline of tree and other ornamental species.

- WEEDS -		
Black medic	Knotweed	Red clover
Buckhorn	Lambsquarters	Stitchwort
Burdock	Mallow	Speedwell
Chicory	Morningglory	Spurge
Chickweed	Oxalis (Woodsorrel)	Wild clover
Clover	Pigweed	Wild carrot
Dandelion	Plantain	Wild garlic
Dock	Poison ivy	Wild lettuce
English daisy	Poison oak	Wild onion
Ground ivy	Purslane	Yarrow and many other
Healall	Ragweed	broadleaf lawn weeds.

NOTE TO SUPPLEMENTAL REGISTRANTS. *Advisory statements and requirements for fertilizer components are determined by the state agencies and the Association of American Plant Food Control Officials (AAPFCO). Supplemental registrants will be responsible for compliance to the state agency requirements for the sale and distribution of products containing fertilizers. Suggestions are presented as follows:*

Statements For The Fertilizer Grade Of 20-0-0:

A lawn will typically utilize 1 to 4 pounds of nitrogen per 1,000 square feet each growing season. When applied as directed this product supplies 0.06 - 0.10 pounds of nitrogen per 1,000 square feet with each application. Use this product in conjunction with an additional fertilization program to provide at least 1 pound of nitrogen per 1,000 square feet each growing season. Consult your local agricultural horticultural extension agent for the proper amount of nitrogen to be applied in your area.

OR

A lawn will typically utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer by providing 0.06 - 0.10 pounds of nitrogen per 1,000 square feet. Contact your local agricultural horticultural extension agent for questions regarding a regular fertilizer program.

Statements For The Fertilizer Grade Of 15-0-0:

A lawn will typically utilize 1 to 4 pounds of nitrogen per 1,000 square feet each growing season. When applied as directed this product supplies 0.05 - 0.08 pounds of nitrogen per 1,000 square feet with each application. Use this product in conjunction with an additional fertilization program to provide at least 1 pound of nitrogen per 1,000 square feet each growing season. Consult your local agricultural horticultural extension agent for the proper amount of nitrogen to be applied in your area.

OR

A lawn will typically utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer by providing 0.05 - 0.08 pounds of nitrogen per 1,000 square feet. Contact your local agricultural horticultural extension agent for questions regarding a regular fertilizer program.

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Labeling requirement for fertilizers sold and/or distributed in Texas:

Information about the contents of this product may be obtained by writing to: (Company name and address).

WHERE TO USE:

DMDP 898 Liquid Weed & Feed controls chickweed, clover, dandelion, knotweed, plantain, and most broadleaf weeds in lawns, vacant lots, playgrounds, and other similar areas.

For bentgrass, bermudagrass, Kentucky bluegrass and fescues - Apply DMDP 898 Liquid Weed & Feed with a hose end sprayer at 6.4 fluid ounces of product per 1,000 square feet, 1 quart of product per 5,000 square feet.

For St. Augustinegrass and centipedegrass - Apply DMDP 898 Liquid Weed & Feed with a hose end sprayer at 4.3 fluid ounces of product per 1,000 square feet, 1 quart of product per 7,500 square feet. Exercise care to avoid over-dosing by spraying evenly and uniformly. This treatment may cause temporary injury (chlorosis) to the St. Augustinegrass and centipedegrass. Do not spray DMDP 898 Liquid Weed & Feed on St. Augustinegrass and centipedegrass during periods of heat stress, high temperatures, or drought stress.

The maximum application rate to turf is 0.6 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.

WHEN TO USE:

1. Spray any time during the growing season when weeds are actively growing.
2. On new lawns, wait until the grass has reached a height of 2 inches before making an overall (broadcast) spray treatment. Wait 3 weeks before putting new grass seed or stolons down in the bare spots.
3. Poor weed control may result if spray is applied during drought or just before rain.
4. For best results, mow 1 to 2 days before treating.
5. Do not water lawn within 24 hours after treatment.

HOW TO USE: Shake Well Before Using.

(One Of The Following Will Be Used Depending On The Hose End Sprayer Used.)

OPTION (A)

INSTRUCTIONS

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 counter clockwise 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 of product will automatically be dispersed. Spray directly over area 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 to 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 of product will automatically be dispersed. Spray directly over area 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 counter clockwise 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 the graduated scale on side of container to guide coverage.
5. To stop spraying, turn the sprayer nozzle switch counter clockwise to the OFF position and turn off water at the faucet.

OPTION (E)

This one-half gallon package is intended as a refill for the quart hose end sprayer applicator/container of DMDP 898 Liquid Weed & Feed. However, this product may be used in any hose end sprayer in which herbicides have been used.

Add DMDP 898 Liquid Weed & Feed to the hose end sprayer jar. **DO NOT ADD WATER TO THE JAR.** One quart covers up to 7,500 square feet. One-half gallon covers up to 15,000 square feet.

OPTION (F)

Shake Well Before Using. Connect attached spray nozzle to garden hose. Turn the green water control "ON/OFF" valve on top of spray nozzle to the "OFF" position. Turn on water at faucet. Rotate the small red product control valve forward to open. This allows the contents to mix with water.

To begin spraying, point spray nozzle towards area to be treated and turn the green water control "ON/OFF" valve to the "ON" position. The water automatically mixes with the product. Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas. To stop spraying, turn the green water control valve to "OFF". Rotate the small red control valve in an upright position to close. To relieve pressure, turn water "ON/OFF" valve to the "ON" position before removing nozzle from hose, being careful to point the nozzle away from you. (OPTIONAL: Refer to graduated scale on side of container to see how much liquid has been used.)

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OPTION (G)

Determine the area to be sprayed. Add the appropriate amount of DMDP 898 Liquid Weed & Feed to the hose end sprayer jar and spray evenly over the area to be treated. DO NOT ADD WATER TO THE JAR. The water will automatically mix with this product during spraying. (OPTIONAL: Refer to graduated scale on side of container to see how much liquid has been used.)

Retail Container Size	Treated Area, Square Feet	
	For St. Augustinegrass & centipedegrass	For bentgrass, bermudagrass, Kentucky bluegrass & fescues
1 quart	7,500 sq.ft.	5,000 sq.ft.
2 quarts	15,000 sq. ft.ft.	10,000 sq.ft.
4 quarts (1 gal.)	30,000 sq. ft.ft.	20,000 sq.ft.

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.

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APPENDIX

I. Advertising claims that may be used by supplemental registrants: These claims may be presented on the retail container label or on the labeling accompanying the product.

- ◆ One quart covers up to 7,500 square feet.
- ◆ Controls dandelion, chickweed, knotweed, plantain, clover, mallow, purslane and many other broadleaf lawn weeds.
- ◆ No spreading - No complicated mixing - Just attach to a garden hose & spray.
- ◆ The fast, easy way to weed control and fertilize your lawn.
- ◆ Fertilize and control weeds in one easy application.