

MAR 26 1996

James A. Armbruster, Ph.D.
 PBI/Gordon Corporation
 P.O. Box 14090
 1217 West 12th Street
 Kansas City, MO 64101

Dear Dr. Armbruster:

Subject: Revised Labeling - Add WPS Exclusionary Statement;
 Update Precautionary Language and Environmental Hazards
 MM 890 Liquid Weed and Feed
 EPA Registration No. 2217-735
 Your Submission Dated August 24, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Revise the Precautionary Statements to read "Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles, long pants, long-sleeved shirt and shoes when applying this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse."
- 2) Rewrite the oral statement in the Statement of Practical Treatment to read "IF SWALLOWED: Call a physician or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol."

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

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

Enclosure

DK: 305-7546: FHB/PM23		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	3/25/96							

20/97

MM 890 LIQUID WEED & FEED

20-0-0 or 15-0-0

KEEP FROM FREEZING

1 QUART COVERS UP TO 5,000 SQUARE FEET.

Controls Dandelion, Chickweed, Knotweed, Henbit, Plantains, Clover, Spurge and many other broadleaf lawn weeds; some of which are shown on this label.

No Spreading--No Complicated Mixing
Just attach to a garden hose & spray.

ACTIVE INGREDIENTS:

- * Dimethylamine Salt of 2-methyl-4-chlorophenoxyacetic acid..... 6.979%
- ** Dimethylamine Salt of 2-(2-methyl-4-chlorophenoxy) propionic acid..... 4.592%

INERT INGREDIENTS..... 88.429%

TOTAL 100.000%

THIS PRODUCT CONTAINS:

- *0.551 lbs 2-methyl-4-chlorophenoxyacetic acid equivalent per gallon or 5.698%.
- **0.367 lbs 2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 3.795%.

KEEP OUT OF REACH OF CHILDREN

DANGER

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

NET CONTENTS ONE QUART (NET WEIGHT 2 LBS. 7 OZ)

APXXXXXX
 EPA REG NO 2217-735
 EPA EST NO 2217-KS-1
 Mfd by PBI/GORDON CORPORATION
 KANSAS CITY, MISSOURI 64101

ACCEPTED
 with COMMENTS
 In EPA Letter Dated
 MAR 26 1996
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
 2217-735

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STOP! 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. Wear long pants, long-sleeved shirt and shoes when applying this product. Wear goggles when applying this product. ~~If in eyes flush with plenty of water and get medical attention.~~

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 SWALLOWED:~~ Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person.

~~IF INHALED:~~ Remove victim to fresh air and apply respiration if indicated.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

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

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Environmental Hazards: Drift or run-off may adversely affect 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 washwaters or rinsate. Do not apply when weather conditions favor drift from target area. Do not contaminate domestic or irrigation waters.~~

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 areas 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.

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.

OTHER 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 temperature exceeds 85°F. Seed can be sown 3 to 4 weeks after application. Do not use on carpetgrass, dichondra, St Augustinegrass, centipedegrass, closely-mowed bentgrass, nor on lawns or turf where desirable clovers are present. Do not spray roots of trees and ornamentals. Do not exceed specified dosages for any area. Be particularly careful within dripline of trees and ornamental species.

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WEEDS		
BEDSTRAW	HEAL-ALL	RAGWEED
BLACK MEDIC	HENBIT	SHEEP SORREL
BUCKHORN	KNOTWEED	SHEPHERDSPURSE
BULL THISTLE	LAMBSQUARTERS	SPEEDWELL
BURDOCK	LESPEDEZA	SPURGE
BUTTERCUP	MALLOW	TANSY MUSTARD
CHICORY	MORNINGGLORY	THISTLE
CHICKWEED	MUSTARD	VELVETLEAF
CLOVER	OXALIS	WILD CARROT
COCKLEBUR	PEPPERGRASS	WILD GARLIC
DANDELION	PIGWEEED	WILD LETTUCE
DOCK	PLANTAIN	WILD ONION
GALINSOGA	POISON IVY	YARROW
GROUND IVY	POISON OAK	and many other
HAWKWEED	PURSLANE	broadleaf lawn weeds.

20-0-0 GUARANTEED ANALYSIS	
Total Nitrogen (N).....	20.00%
20% Urea Nitrogen	
Derived from Urea	

15-0-0 GUARANTEED ANALYSIS	
Total Nitrogen (N).....	15.00%
15% Urea Nitrogen	
Derived from Urea	

(OPTION 1 OR 2 TO BE USED DEPENDING ON THE SUBREGISTRATION.)

OPTION 1

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 0.19 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 extension agency for the proper amount of nitrogen to be applied in your area.

OPTION 2

MM890 Liquid Weed & Feed should be supplemented by Liquid Lawn Fertilizer every 3 weeks from March through September (or April through October depending upon the growing season in your area). Please consult your local extension office concerning a regular fertilizer program.

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WHERE TO USE: MM890 Liquid Weed & Feed may be used on Bahia, Bermuda, Bluegrass, Fescue, Rye or Zoysia lawns, vacant lots, playgrounds and other similar areas where broadleaf weeds are present. This product is especially effective on all hard-to-kill weeds such as Poison Ivy, Poison Oak, Sheep sorrel and Spurge. In addition, this product controls most other broadleaf weeds, including sensitive weeds such as Chickweed, Clover, Dandelion, Knotweed and Plantain.

WHEN TO USE:

1. Spray 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 spray treatment. Wait 3 weeks after application for seeding and sprigging.
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 applicator 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 will automatically be dispersed. Spray directly over area requiring application, 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 will automatically be dispersed. Spray directly over area requiring application 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 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 graduated scale on the 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 half-gallon package is intended as a refill for the quart hose-end sprayer applicator/container of MM890 Liquid Weed & Feed. However, this product may be used in any hose-end sprayer in which herbicides have been used.

Add MM890 Liquid Weed & Feed to the hose-end sprayer jar. DO NOT ADD WATER TO THE JAR. One quart covers 5,000 square feet. One-half gallon covers up to 10,000 square feet.

OPTION (F)

ASSEMBLY INSTRUCTIONS: (Step by step diagrams illustrated)

1. Attach siphonage tube to hose-end spray attachment.
2. Remove cap from bottle and insert sprayer attachment.
3. Securely tighten sprayer attachment on bottle.
4. Screw into hose-end sprayer attachment.

SPRAYING INSTRUCTIONS: (Illustrated diagrams)

1. Turn on water. TO START FLOW OF PRODUCT: Place finger over hole on top right side of sprayer attachment. Hold about 3 feet above area to be treated moving at a steady pace to ensure consistent coverage.
2. TO STOP FLOW OF PRODUCT: Remove finger from hose to break siphon action.

NOTE: To ensure adequate coverage, use moderate to high water pressure when applying through hose-end sprayer attachment

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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 SQUARE FEET

COVERAGE

3,000 SQUARE FEET

COVERAGE

5,000 SQUARE FEET

COVERAGE
WHEN EMPTY