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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

JUN 13 1997

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Craig Martens
PBI/Gordon Corporation
P.O. Box 014090
1217 West 12th Street
Kansas City, MO 64101

Dear Mr. Martens:

SUBJECT: Trimec M 891 Weed & Feed
EPA Registration No. 2217-743
Your Application Dated April 1, 1997

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

A stamped copy is enclosed for your records. Please submit one (1) final printed copy of the referenced label.

Sincerely yours,

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

Enclosure

Am Cooke
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TRIMEC® M 891 WEED & FEED FOR SENSITIVE GRASSES 27-3-6

Lawns of St. Augustinegrass, Centipedegrass, Bahiagrass, Bermudagrass,
Kentucky Bluegrass, Fescue spp., Perennial Ryegrass, Zoysiagrass,
and Bentgrass May Be Treated

ACTIVE INGREDIENTS:

*Dimethylamine Salt of 2-(2-methyl-4-chlorophenoxy)propionic acid.....	0.642%
**Dimethylamine Salt of 2-methyl-4-chlorophenoxyacetic acid.....	0.353%
***Dimethylamine Salt of Dicamba: 3,6-dichloro-o-anisic acid.....	0.071%
INERT INGREDIENTS.....	98.934%
TOTAL	100.000%

THIS PRODUCT CONTAINS:

- *10.62 lbs. or 0.531% 2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton.
 - **5.76 lbs. or 0.288% 2-methyl-4-chlorophenoxyacetic acid equivalent per ton.
 - ***1.18 lbs. or 0.059% 3,6-dichloro-o-anisic acid equivalent per ton.
- TRIMEC® is a registered trademark of PBI/GORDON CORPORATION.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.
- See back panel for additional Precautionary Statements.

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUN 13 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
2217-743

NET WEIGHT (15, 16, 17, 18 OR 20) POUNDS

APXXXXXX
EPA REG NO 2217-743
EPA EST NO 2217-KS-1
MANUFACTURED BY





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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

ENVIRONMENTAL HAZARDS

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply when weather conditions favor drift from target area.

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: Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals. Do not store near food or feedstuffs. To prevent cross-contamination, do not store near other fertilizers, or near herbicides, insecticides, fungicides, or seeds.

PESTICIDE DISPOSAL: Securely wrap bag in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse bag. Discard bag in trash.

INSTRUCTIONS:

Trimec® M891 Weed and Feed for Sensitive Grasses controls a wide range of lawn weeds, including dandelion, chickweed, knotweed, plantains, henbit, spurge and many others commonly found in home lawns. In addition, a 27-3-6 fertilizer provides a balanced supply of plant nutrients ~~needed for a normal season's growth~~. Possible retreatment may be necessary if (a) lawn is heavily overrun by weeds, or, (b) if adverse low moisture conditions prevail and weeds are in a state of poor growth. A second application may be made in approximately 30 days. Treated areas may be seeded 3 to 4 weeks after application. Do not use on dichondra. Do not over apply. Under conditions of adequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on St. Augustinegrass.

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HOW MUCH TO APPLY:

Apply 3.0 to 4.0 pounds of this product (Trimec® M 891 Weed & Feed) per 1,000 square feet of established turfgrass. One application with this "X" pound bag will cover (treat) "X" to "X" square feet of turfgrass.

(Note to supplemental registrants: Refer to the rate table for the appropriate bag sizes and the area to be treated. Select the proper bag size and present only the information for that bag size on your product label.)

Bag Size Pounds	Desired Rate per 1,000 Sq.Ft.	Treated Area for this Bag Size
	Pounds	Sq.Ft.
15	3.0	5,000
	3.25	4,615
	3.33	4,505
	3.64	4,121
	4.0	3,750
16	3.0	5,333
	3.25	4,923
	3.33	4,805
	3.64	4,396
	4.0	4,000
17	3.0	5,667
	3.25	5,231
	3.33	5,105
	3.64	4,670
	4.0	4,250
18	3.0	6,000
	3.25	5,538
	3.33	5,405
	3.64	4,945
	4.0	4,500
20	3.0	6,667
	3.25	6,154
	3.33	6,006
	3.64	5,495
	4.0	5,000

1. Mow lawn to normal height 1 to 2 days before application.
2. Water lawn thoroughly at least 1 day before application to sustain moisture until next watering (see step 4).
3. Apply when weeds are young and actively growing, preferably in the morning when dew is on the grass. If grass is not moist at time of application, sprinkle lightly with water to hold the material and prevent dust drift onto nontarget plants.
4. Do not wash from weed leaves for 1 to 2 days after application. At this time a thorough watering should be made.

Drop spreaders, rotary spreaders and other granular equipment should be calibrated for uniform applications. Calibrate (Check) the equipment by applying the product over a measured area and adjust the spreader settings according to these instructions.

- ◆ For 3.0 pounds of product per 1,000 sq. ft.: Check your spreader on 333 sq. ft. and adjust to apply 1.0 pound of product per 333 sq. ft.
- ◆ For 3.25 pounds of product per 1,000 sq. ft.: Check your spreader on 310 sq. ft. and adjust to apply 1.0 pound of product per 310 sq. ft.
- ◆ For 3.33 pounds of product per 1,000 sq. ft.: Check your spreader on 300 sq. ft. and adjust to apply 1.0 pound of product per 300 sq. ft.
- ◆ For 3.64 pounds of product per 1,000 sq. ft.: Check your spreader on 275 sq. ft. and adjust to apply 1.0 pound of product per 275 sq. ft.
- ◆ For 4.0 pounds of product per 1,000 sq. ft.: Check your spreader on 250 sq. ft. and adjust to apply 1.0 pound of product per 250 sq. ft.

(Note to supplemental registrants: Recommended settings for drop spreaders, rotary spreaders, and other granular equipment may be presented on the container labels. Also, spreader preferences and diagrams for uniform distributions would be acceptable.)

USE PRECAUTIONS:

- ◆ Do not use this product where desirable clovers are present or allow the material to wind drift onto flowers, vegetables or ornamental shrubbery.
- ◆ Do not apply in areas underlaid by roots of desirable trees or shrubs.
- ◆ Apply when air is calm.
- ◆ Application of this product to newly seeded areas should be delayed until the third mowing.
- ◆ During application, close spreader openings when turning.
- ◆ Do not contaminate domestic or irrigation waters.

27-3-6 GUARANTEED ANALYSIS	
Total Nitrogen (N).....	27%
Available Phosphate (P ₂ O ₅).....	3%
Soluble Potash (K ₂ O).....	6%

WEEDS CONTROLLED:			
Bedstraw	Ground Ivy	Peppergrass	Speedwell
Black Medic	Healall	Pigweed	Spurge
Buckhorn	Henbit	Plantains	Thistle
Burdock	Knotweed	Poison Ivy	Wild Carrot
Chicory	Lambsquarters	Poison Oak	Wild Garlic
Chickweed	Lespedeza	Purslane	Wild Lettuce
Clover	Mallow	Ragweed	Wild Onion
Dandelion	Morningglory	Sheep Sorrel	Yarrow
Dock	Oxalis	Shepherdspurse	

APPENDIX

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

- ◆ (Fifteen, Sixteen, or Eighteen) Pounds Covers Up To 5,000 Square Feet.
- ◆ Twenty Pounds Covers Up To 5,500 Square Feet.
- ◆ Controls Dandelion, Chickweed, Knotweed, Plantains, Henbit, Spurge, and many other broadleaf weeds in St. Augustinegrass, Centipedegrass, Bahiagrass, Bermudagrass, Kentucky bluegrass, Fescue spp., Perennial Ryegrass, Zoysiagrass and Bentgrass lawns.
- ◆ "Patent Pending B.A.S.E.™ System Biologically Active Soil Enrichment: Only Ringer® Supreme Lawn Fertilizers™ use the 'Biologically Active Soil Enrichment™' System (patent pending) to give you truly exceptional turf. Because of activity of microorganisms in the soil is important in providing an optimal growing environment for grass, this unique new fertilizer is specially formulated with organic matter, plant nutrients and high energy sugars to promote maximum microbial activity. The results is a thick, green lawn that will be the envy of your neighborhood."

"Relative Number of Soil Microorganisms Per Gram of Soil:

Ringer® Supreme Lawn Fertilizers™	8x
Leading Brand	1x

Soil microorganism populations were found to be an average of 8 times higher when soil was treated with Ringer® Supreme Lawn Fertilizer™ compared to the leading fertilizer brand (under laboratory conditions, in the top half inch of soil). These are the same organisms that convert organic matter into plant available nutrients for your lawn."

"Benefits of Microbial Activity: Researchers have long known that microbial activity is a key component in a vital soil ecosystem. This activity improves:

- Conversions of organic matter to plant nutrients.
- The soil's ability to retain moisture & infiltrate water to the root zone.
- The soil's ability to hold and release nutrients."

- ◆ Biologically released nitrogen.
- ◆ Thicker Greener Grass - FAST!
- ◆ Deep Root Development
- ◆ Promotes soil vitality.
- ◆ "(Patent Pending) B.A.S.E.™ System Biologically Active Soil Enrichment works like no other lawn care product. Ringers® B.A.S.E.™ System is unique. It works with naturally occurring soil microorganisms in your lawn to slowly release nitrogen promoting a vital root and soil system and thicker, greener grass."
- ◆ ~~Controls dandelion, chickweed, knotweed, plantain, henbit, and spurge.~~
- ◆ ~~Use whenever weeds are growing.~~

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II. Fertilizer grades, guaranteed analyses, and source of nutrients that are required for state registrations:

- ◆ Previously accepted grades: 24-6-12; 27-3-6; 16-2-6.
- ◆ For Illinois requirements:

GUARANTEED ANALYSIS	
Total Nitrogen (N).....	16%
*6.25% Ammoniacal Nitrogen	
2.50% Water Insoluble Nitrogen	
*7.25% Urea Nitrogen	
Available Phosphate(P ₂ O ₅).....	2%
Soluble Potash (K ₂ O).....	6%
*This product contains 2.50% slowly available nitrogen. Derived from: Ammonium sulfate, hydrolyzed poultry feather meal, urea, potassium sulfate, diammonium phosphate.	

Soil Amending Guaranteed Analysis			
Active Ingredients:		Inert Ingredients:	
Feather meal.....	19.00%	Binding Materials.....	3.75%
Sugar.....	12.50%	Fertilizer.....	59.25%
Wheat Middlings.....	5.50%		

III. Referrals to other pesticides or nonpesticides used sequentially and the addition of calendars highlighting the application schedules:

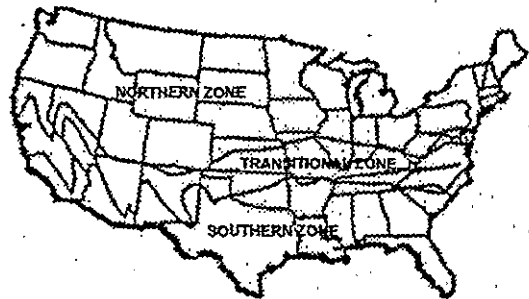
- ◆ (Brand Name) 4-Pack Fertilizer Program:
 - Step 1. Apply Late Winter-Early Spring. (Brand Name) Prevents crabgrass, foxtail, poa annua, spurge and other annual grasses while feeding your lawn with long-lasting, deep-greening controlled-release nitrogen.
 - Step 2. Apply Mid-Late Spring. (Brand Name) Kills over 100 types of weeds, roots and all. Feeds with controlled-release nitrogen for longer lasting greening.
 - Step 3. Apply Late Spring-Summer. (Brand Name) Controls insects while greening your lawn with controlled-release nitrogen for dependable, predictable results!
 - Step 4. Apply Late Summer-Early Fall. (Brand Name) Provides extended greening throughout the summer months with controlled-release nitrogen for dependable, predictable results!

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START USING THE (BRAND NAME) LNAK PROGRAM TODAY												
Most Common Turf Grasses	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Northern Zone				Step 1: Crab grass Control plus fertilizer		Step 2: Lawn Insect Control with fertilizer	Step 3: Lawn Insect Control with fertilizer					
				Step 2: Weed & Feed				Step 4: Lawn fertilizer				
Transitional Zone				Step 1: Crab grass Control plus fertilizer		Step 2: Lawn Insect Control with fertilizer	Step 3: Lawn Insect Control with fertilizer					
				Step 2: Weed & Feed				Step 4: Lawn fertilizer				
Southern Zone				Step 1: Crabgrass Control plus fertilizer		Step 2: Lawn Insect Control with fertilizer	Step 3: Lawn Insect Control with fertilizer	Step 4: Lawn Insect Control with fertilizer				
				Step 2: Weed & Feed				Step 4: Lawn fertilizer				

- Northern Zone:** Bluegrasses, Ryegrasses, Bentgrasses, Fine Fescue, Tall Fescue
- Transitional Zone:** Bluegrasses, Ryegrasses, Fine Fescue, Tall Fescue, Bermudagrass, Zoysiagrass
- Southern Zone:** Bermudagrass, Zoysiagrass, Centipedegrass, Bahiagrass, St. Augustinegrass



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