

2217-696

9/28/2001

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval Expires 02-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 2217-696	2. EPA Product Manager James Tompkins	3. Proposed Classification
4. Company/Product (Name) Betamec 4 Pre-Emergence Grass Killer	PM# (PM 25)	<input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation PO Box 014090 Kansas City, Missouri 64101 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

**NOTIFICATION**

SEP 28 2001

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

**NON-NOTIFICATION per PRN 98-10:** We intend to make two (2) changes that are considered as non-notifications per PRN 98-10: 1) We intend to add the date of manufacture presented on a sticker affixed to the container. Three (3) copies of the sticker are enclosed. 2) We intend to change only the background color of the container label.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt.    No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application:)					
Name Craig Martens	Title Manager of Regulatory Services	Telephone No. (Include Area Code) 816/460-6287			
<p style="text-align: center;"><b>Certification</b></p> <p><i>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</i></p>					6. Date Application Received (Stamped)
2. Signature 	3. Title Manager of Regulatory Services				
4. Typed Name Craig Martens	5. Date September 17, 2001				



NOTIFICATION

SEP 28 2001

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# BENSUMEC™ 4 LF

## PREEMERGENT GRASS & WEED HERBICIDE

CONTAINS BETASAN®

Selective Herbicide for Preemergent Control of  
**CRABGRASS and ANNUAL BLUEGRASS** in  
 TURF & ORNAMENTALS APPLICATIONS



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

SEE ACCOMPANYING BOOKLET  
 FOR COMPLETE LABEL

### PRECAUTIONARY STATEMENTS

#### Hazards To Humans & Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through the skin. Avoid breathing spray mist. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. Avoid contamination of food, feed, or water supplies.

#### Statement of Practical Treatment

**Call a physician immediately!** If a known exposure occurs or if poisoning is suspected, do not wait for symptoms to develop. Immediately initiate the recommended procedures described below and simultaneously contact a physician, the nearest hospital or a Poison Control Center. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms and follow the advice given.

**NOTE:** Be sure to advise the person contacted that the active ingredient in this compound is a cholinesterase inhibitor and follow the advice given.

**If Swallowed:** DO NOT induce vomiting. Immediately call a physician or Poison Control Center. Give large quantities of water and get medical attention. If vomiting occurs, give fluids again. Never give anything by mouth to an unconscious person.

**If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen, preferably with a physician's advice.

**If On Skin:** Flush with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation occurs. Wash clothing before reuse.

**If In Eyes:** Hold eyelids apart and flush eyes with large amounts of running water for at least 15 minutes. Get medical attention immediately.

**NOTE TO PHYSICIAN:** Exposure to the active ingredient may cause cholinesterase inhibition. Atropine by injection is antidotal. 2-PAM (protopam chloride) is also antidotal when administered early and in conjunction with atropine.

#### Environmental Hazards

This product is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from treated area.

#### Physical Hazards

Combustible. Do not use, store, pour or spill near heat or open flame. Keep container closed when not in use.

### DIRECTIONS FOR USE

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

**STORAGE & DISPOSAL**

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

**STORAGE:** Protect from temperatures below 42°F. Product crystallizes at lower temperatures. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use. Do not store near sources of heat or open flame. Store in original container in locked storage area. Keep pesticides separate during storage to prevent cross-contamination with other pesticides or fertilizers.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** For metal containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. 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.

**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.

845/498 AP092993  
 EPA REG. NO. 2217-696  
 EPA EST. NO. 2217-KS-1



**GORDON'S**  
 PROFESSIONAL  
 TURF & ORNAMENTAL PRODUCTS

**BENSUMEC™ 4 LF**  
 PREEMERGENT GRASS & WEED HERBICIDE

Manufactured By  
 pbi/gordon corporation  
 An Employee-Owned Company  
 1217 West 19th Street  
 Kansas City, Missouri 64101

845/1-2000 AP092993  
 EPA REG. NO. 2217-696



3/16



# BENSUMEC™ 4 LF

## PREEMERGENT GRASS & WEED HERBICIDE

Manufactured By  
**G** pbi/gordon  
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An Employee-Owned Company  
1217 West 12th Street  
Kansas City, Missouri 64101

845/1-2000 AP092993  
EPA REG. NO. 2217-696

### CONTAINS BETASAN®

Selective Herbicide for Preemergent  
Control of CRABGRASS and ANNUAL BLUEGRASS  
in TURF, ORNAMENTALS, and GROWDCOVERS.

**ACTIVE INGREDIENT:**  
Bensulide: S-(O,O-Diisopropyl  
phosphorodithioate)  
ester of N-(2-mercaptoethyl)  
benzenesulfonamide ..... 46.0%  
**INERT INGREDIENTS:** ..... 54.0%  
TOTAL 100.0%

**KEEP OUT OF  
REACH OF CHILDREN  
CAUTION**

See below for additional  
Precautionary Statements and  
Statement of Practical Treatment.

This product contains 4 pounds active  
ingredient per gallon.

BETASAN® is a registered trademark of the  
Gowan Company.



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OBSERVE ALL PRECAUTIONS AND  
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### USE PRECAUTIONS

Read all directions before using. Mix well before diluting with water. BENSUMEC 4 LF should be used only for recommended uses and at recommended rates. Clean-up spills on walks or patios by covering with dry soil or absorptive material. Bury sweepings and hose area.

Do not allow children or pets on treated lawns until grass is completely dry.

BENSUMEC 4 LF is recommended for use on mineral soils only. Do not apply peat moss to lawn, groundcovers, or established ornamentals before treating with BENSUMEC 4 LF.

Do not use in greenhouses.

Do not apply this product through any type of irrigation system.

### GENERAL INFORMATION

BENSUMEC 4 LF is recommended for use on home lawns, parks and golf courses, on ornamental plants and on groundcovers for control of crabgrass, annual bluegrass and other annual weeds listed.

Application of BENSUMEC 4 LF must precede the emergence of weeds from the soil. Crabgrass will emerge from the soil from 4 to 6 weeks before it is visible above lawn sod. If weeds are visible above the soil, it is too late to apply BENSUMEC 4 LF.

Remove leaves, dead tall grass, and other debris before applying BENSUMEC 4 LF to turf areas. Any weeds present around ornamentals must be removed or worked into the soil before applying BENSUMEC 4 LF.

BENSUMEC 4 LF must be watered into the soil immediately after application. Irrigate with ½ to 1 inch of water following the herbicide application to established lawns, ornamentals, and groundcovers.

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**WEEDS CONTROLLED**

Annual Bluegrass	Fall Panicum	Large Crabgrass
Barnyardgrass	Foxtails	Redroot Pigweed
(Watergrass)	Goosegrass	Shepherdspurse
Deadnettle (Henbit)	Lambsquarters	Smooth Crabgrass

**TIMING OF APPLICATION**

The most effective program for control of crabgrass, goosegrass, annual bluegrass and other annual weeds is one specifically designed for local conditions. Two or more applications per year may be necessary, using the recommended rates given below for a particular weed problem. For additional information regarding timing and rate of application, consult weed specialists of the State Agricultural Extension Service or the State Agricultural Experiment Station.

**GRASS LAWNS:** BENSUMEC 4 LF should be applied only to well established grass lawns. It can be used on the following established turf grasses:

Bahiagrass	Fescue spp.	St. Augustinegrass
Bentgrass spp.	Pensacola Bahiagrass	Zoysiagrass
Perennial Bluegrass spp.	Perennial Ryegrass	
Bermudagrass spp.	Redtop	
Centipedegrass	Rough Stalk Bluegrass	

**DICHONDRA LAWNS:** BENSUMEC 4 LF can be applied to dichondra lawns at the time of seeding or any time thereafter.

**ORNAMENTALS AND GROUNDCOVERS:** BENSUMEC 4 LF should be applied only to the following well established ornamentals and groundcovers:

Herbaceous Plants	Groundcovers	Deciduous Trees Shrubs & Evergreens	Bulbs
Alyssum	Ajuga	Abelia	Daffodil
Aster	Campanula	Azalea	Dahlia
Bachelor's Button	Gazania	Azara	Freesia
Calendula	Hypericum	Boxwood	Gladiolus
Candytuft	Ice Plant	Daphne	Narcissus
Coral Bell	Ivy	Holly	Ranunculus
Daisy	Pachysandra	Juniper	Tulip
Marigold	Periwinkle	Monterey Cypress	
Pansy	Sedum	Monterey Pine	
Primrose	Wild	Myrtle	
Stock	Strawberry	Privet	
Sweet Pea		Pyracantha	
Wallflower		Sandankwa	
		Tobira	
		Xylosma	

For control of crabgrass, apply BENSUMEC 4 LF at the recommended rate (see RATES OF APPLICATION) any time from fall (September or October) through early spring for spring and summer control. With a late winter or an early spring application, the application must be made prior to crabgrass emergence (see GENERAL INFORMATION).

For control of annual bluegrass and other annual weeds, apply BENSUMEC 4 LF at the recommended rate (see RATES OF APPLICATION) before weeds emerge from the soil.

Where germination of crabgrass, annual bluegrass and other annual weeds extends into the late summer and early fall, a second application of BENSUMEC 4 LF at the recommended rates should be made 4 to 5 months after the initial application.

BENSUMEC 4 LF should be applied with spray equipment that will provide uniform application such as a knapsack sprayer, hose proportioner, or pressure sprayer.

Immediately following this herbicide application, irrigate thoroughly by applying 1/2 to 1 inch of water.

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## RATES OF APPLICATION

Apply a maximum of 6¼ gallons (50 pints) of BENSUMEC 4 LF per acre (18 fluid ounces per 1,000 square feet) per year in two or more applications depending on the weed species and degree of infestation.

If weed specialists are unavailable to provide specific local recommendations, follow these directions:

**CRABGRASS ONLY:** Apply 1½-2½ gallons of BENSUMEC 4 LF per acre with spray volumes of 80-100 gallons per acre. Or, apply 15-20 pints of BENSUMEC 4 LF per acre with spray volumes of 80-100 gallons per acre. Or, apply 5.6-7.3 fl. oz. of BENSUMEC 4 LF per 1,000 sq. ft. with spray volumes of 1.8-2.5 gallons per 1,000 sq. ft.

Immediately following this herbicide application, irrigate thoroughly by applying ½ to 1 inch of water.

**ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS:** Apply 3¼ gallons of BENSUMEC 4 LF per acre with spray volumes of 80-100 gallons per acre. Or, apply 9.4 fl. oz. of BENSUMEC 4 LF per 1,000 sq. ft. with spray volumes of 1.8-2.5 gallons per acre.

When a weed program involves two to three applications of BENSUMEC 4 LF for crabgrass, goosegrass and bluegrass, the rate of application may be reduced. The rate recommendations are 1½-2½ gallons of product per acre, or 15-20 pints of product per acre, or 5.6-7.3 fl. oz. of product per 1,000 sq. ft. Use the higher rate for heavier infestations.

## RESEEDING

Any herbicide that provides effective control of annual grasses may affect new lawn grass seedlings which germinate after treatment. Proper fertilization and watering will encourage the existing turfgrass to fill in the thin or bare spots formerly occupied by crabgrass.

The following procedures are suggested in order to minimize any stunting of turf grasses which may occur when reseeding into BENSUMEC 4 LF-treated areas:

1. Do not reseed within 4 months after application.
2. Renovate the area to be reseeded by raking thoroughly to scarify the soil surface. Where practical, mix peat in with the soil to provide an optimum seedbed.
3. When turf diseases or physiological disorders necessitate reseeding sooner than 4 months after BENSUMEC 4 LF application, apply powdered activated charcoal prior to reseeding to deactivate the BENSUMEC 4 LF.
4. Apply the activated charcoal at a rate of 7 pounds in 14 gallons of water per 1,000 square feet (300 pounds in 600 gallons of water per acre).
5. Following application, irrigate the turf with sufficient water to wash the charcoal into the soil.
6. Reseed no sooner than 7 days after applying the charcoal.

## LIMITED WARRANTY AND DISCLAIMER

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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.