



869-212

6-6-2003

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
259573

**Application for Pesticide - Section I**

1. Company/Product Number 869-212	2. EPA Product Manager LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Green Light Betasan 3.6 Granules	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Green Light Company P.O. Box 17985 San Antonio, TX 78217-0985 <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 _____	<b>NOTIFICATION</b> JUN 06 2003
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
Revised Storage and Disposal instructions to comply with PR Notice 2001-6. Please see highlighted text on attached label. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willingly make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
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	If "Yes" Unit Packaging wgt.    No. per 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" 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"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Nora M. Hodge	Title Registration Specialist	Telephone No. (Include Area Code) (210) 494-3481
<b>Certification</b> 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.		6. Date Application Received <b>(Stamped)</b>
2. Signature 	3. Title Registration Specialist	
4. Typed Name Nora M. Hodge	5. Date 5-19-2003	

2-8

**NOTIFICATION**

**JUN 06 2003**

**GREEN LIGHT BETASAN 3.6 GRANULES**

**PREVENTS CRABGRASS & OTHER WEEDS**

Covers Over 2,100 Sq. Ft.

A Selective Herbicide for Pre Emergence Control of Crabgrass, Annual Bluegrass  
And Certain Other Weeds in Home Lawns

**Active Ingredient:**

Bensulide: S-(O,O-Diisopropyl phosphorodithioate) ester of  
N-(2-mercaptoethyl) benzenesulfonamide.....

3.6%

**Other Ingredients**.....

96.4%

**Total**

100.0%

Contains 3.6 lbs. of active ingredient per 100 lbs.

Betasan is a registered trademark of Gowan Company

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Back Panel for Precautionary Statements**

EPA Reg. No. 869-212

EPA Est. No. 73273-TX-1

Net Wt. 10 lbs. (4.5 kg)

Manufactured for Green Light Company, P.O. Box 17985, San Antonio, TX 78217-0985

[www.greenlightco.com](http://www.greenlightco.com) (210) 494-3481

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(Back Panel)

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Harmful if absorbed through the skin or inhaled.  
Avoid contact with eyes, clothing or skin. Wash hands before eating, drinking, chewing gum,  
using tobacco or using the toilet.

**FIRST AID**

**If inhaled**

- . Move person to fresh air.
- . If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- . Call a poison control center or doctor for further treatment advice.

**If on skin or clothing**

- . 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 in eyes**

- . 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 swallowed**

- . Call a poison control center or doctor immediately for treatment advice.
- . Have a 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.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for general information and/or medical information.

**NOTE TO PHYSICIAN**

Should cholinesterase inhibition occur, atropine by injection is antidotal. 2-PAM (Protopam Chloride) is also antidotal when administered early and in conjunction with atropine.

**USER SAFETY RECOMMENDATIONS:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove Personal Protective Equipment (PPE) as soon as practical, wash thoroughly and change into clean clothing. A long sleeved shirt and long pants plus shoes and socks should be worn when applying this product. This clothing should be kept and washed separately from other laundry.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not apply directly to any body of water. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from

areas treated.

**DIRECTIONS FOR USE:** It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store only in original container in a cool, dry place that can be locked and out of reach of children, top down and secured. **DISPOSAL: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**GENERAL USE PRECAUTIONS**

**IMPORTANT: THIS PRODUCT WILL NOT WORK UNLESS IT IS WATERED IN FOR 10-15 MINUTES. FOR SAFETY REASONS, WATER THIS PRODUCT IN AS SOON AS POSSIBLE FOLLOWING APPLICATION FOR 10-15 MINUTES AND DO NOT ALLOW CHILDREN OR PETS ON TREATED AREAS UNTIL DRY FOLLOWING THE WATERING.**

Read all directions before using. Green Light Betasan 3.6 Granules should be used only for recommended uses and not to exceed maximum rates. Green Light Betasan 3.6 Granules are recommended for use on mineral soils only. Do not apply peat moss to lawn, ground covers or established ornamentals before treating. Do not apply this product in a way that will contact people or pets. This product may only be applied by a push-type spreader. Hand-held rotary broadcast spreaders are prohibited.

**PRODUCT INFORMATION**

Green Light Betasan 3.6 Granules are recommended for use on home lawns for control of crabgrass, annual bluegrass and other annual weeds listed. Application of Green Light Betasan 3.6 Granules must precede emergence of weeds from the soil. Crabgrass will emerge from the soil from four to six weeks before it is visible above the lawn sod. If weeds are visible above the soil, it is too late to apply Green Light Betasan 3.6 Granules. Remove leaves, dead or tall grass and other debris before applying Green Light Betasan 3.6 Granules to home lawn areas.

**WEEDS CONTROLLED**

- Smooth Crabgrass (*Digitaria ischaemum*)
- Hairy Crabgrass (*Digitaria sanguinalis*)
- Redroot Pigweed (*Amaranthus retroflexus*)
- Barnyardgrass (Watergrass) (*Echinochloa spp.*)
- Lambsquarters (*Chenopodium album*)
- Goosegrass (*Eleusine indica*)
- Annual Bluegrass (*Poa annua*)
- Shepherdspurse (*Capsella bursa-pastoris*)

Deadnettle (Henbit) (*Lamium* spp.)

### **TIMING OF APPLICATION**

**Grass Lawns:** Green Light Betasan 3.6 Granules should be applied only to well established grass lawns. Green Light Betasan 3.6 Granules can be used on the following established lawn grasses: Bahia, Bentgrass spp., Bermudagrass spp., Perennial Bluegrass spp., Centipede, Fescue spp., Pensacola Bahia, Perennial Ryegrass, *Poa trivialis*, St. Augustine, Red Top, Zoysia.

**Dichondra Lawns:** Green Light Betasan 3.6 Granules can be applied to dichondra lawns at the time of seeding or anytime thereafter.

For control of crabgrass, apply Green Light Betasan 3.6 Granules not to exceed maximum rate (See Rates of Application) anytime from Fall (September or October) through early Spring, for Spring and Summer control. With a later Winter or an early Spring application, the application must be made prior to crabgrass emergence (See Product Information).

For control of annual bluegrass and other annual weeds apply Green Light Betasan 3.6 Granules not to exceed maximum rate (See Rates of Application) before the weeds emerge from the soil. Consult weed specialists of the State Agricultural Extension Service for additional information, as the timing and rate of application needed will vary with local conditions. Where germination of crabgrass, annual bluegrass and other weeds extend into the late Summer and early Fall, a second application of Green Light Betasan 3.6 Granules not to exceed maximum rates should be made four to five months after the initial application.

Green Light Betasan 3.6 Granules may only be applied with a push type lawn spreader. A more uniform application can be made by spreading half the required amount of Green Light Betasan 3.6 Granules over the area to be treated, then applying the remainder at right angles or crosswise. Avoid misses by overlapping slightly.

### **RATES OF APPLICATION**

**Crabgrass Only:** Apply 6 to 8 lbs. of Green Light Betasan 3.6 Granules uniformly to 1,250 sq. ft. of home lawn area.

**Annual Bluegrass and other Annual Weeds:** Apply 10 lbs. of Green Light Betasan 3.6 Granules on 1,250 sq. ft. of home lawn area.

Sprinkle the area with water for 10-15 minutes after application to wash Green Light Betasan 3.6 Granules down into the soil where the weed seeds are located.

### **RESEEDING**

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

The following procedures are suggested in order to minimize any stunting of lawns which may occur when reseeding into Green Light Betasan 3.6 Granules-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 soil to provide an optimum seedbed.

3. When lawn disease or physiological disorders necessitate reseeding sooner than 4 months after Green Light Betasan 3.6 Granules application, apply powdered activated charcoal prior to reseeding to deactivate the Green Light Betasan 3.6 Granules. Apply the activated charcoal at a rate of 7 lbs. in 14 gallons of water per 1,000 sq. ft. Following application, irrigate the lawn with sufficient water to wash the charcoal into the soil. Reseed no sooner than 7 days after applying the charcoal.

**PROPER TIMING OF GREEN LIGHT BETASAN 3.6 GRANULES—AN IMPORTANT HERBICIDE CONSIDERATION**

Proper timing of each application of Green Light Betasan 3.6 Granules is essential to success since it is a pre-emergence selective herbicide. To be effective, it must be applied before weed seedlings break through the soil surface. This consideration is particularly important in the case of crabgrass which emerges from the soil surface four to six weeks before it is actually visible above the lawn. Once crabgrass has emerged, it is too late to control it with Green Light Betasan 3.6 Granules or any other pre-emergence herbicide. Chart below provides useful guidelines on timing of applications and rates per 1,000 sq. ft. For specific information on timing in your area, consult the local weed specialist of the State Agricultural Extension Service.

**TIMING OF APPLICATION AND RATES**

Region	Species of Weeds		
	Crabgrass, Barnyardgrass (Watergrass), Fall Panicum, Foxtails, Lambsquarters, Red-root Pigweed, Shepherdspurse	Goosegrass	Annual Bluegrass (Poa annua), Deadnettle (Henbit)
Northwest, Midwest, Mid-South	Mid-March through April: 4.8 to 6.4 lbs.	Mid-April to Mid-May: 4.8 to 6.4 lbs.	Mid-July to Mid-September: 4.8 to 6.4 lbs.
South	January to Mid-March: 4.8 to 6.4 lbs.	March through April: 6.4 lbs.	September: 4.8 lbs.
West	February: 4.8 to 6.4 lbs.	March: 6.4 lbs.	September: 4.8 lbs.
Pacific Northwest	February: 4.8 to 6.4 lbs.		February and Sept.: 8 lbs. OR Sept.: 8 lbs. PLUS: 2.5 lbs. every 3 mcs.

Higher rates should be used whenever heavy weed pressure is expected. Do not exceed maximum rates.

**PROPER SPREADER SETTINGS AND APPLICATION RATES**

The chart below provides information on recommended settings for applications of Green Light Betasan 3.6 Granules. The rates given are a guideline only and spreaders should be calibrated carefully and individually to assure application of the proper amount of product. Rates depend on the species of weeds to be controlled and the time of year when applications are made. If in doubt regarding rates for each species and timing of single or multiple applications, refer to chart below or consult local weed specialists of the State Agricultural Extension Service. Many different types of spreaders are available, and as yet there are no universally accepted calibration standards available in the industry. Spreader settings can be affected by the speed at which product is dispensed, the angle of the spreader, the height and density of the turf, and the bulk density of the product, among other variables.

Green Light recommends the following general instructions when using a spreader to dispense lawn care products:

1. Open spreader to 1/8" to 1/4" (prior to filling hopper with product). Consult settings recommended by the spreader manufacturer to determine whether to increase or reduce the size of the opening as product is being dispensed.
2. Close the opening and fill the hopper with product.
3. To ensure that the product will flow through the opening, dispense a small amount of the product in a test area.
4. Calculate the square footage of the area to be treated (for example, 20' X 50' = 1,000 sq. ft.). Consult product package directions for the amount of product needed to treat the given area (for example, use 3 lbs. per 1,000 sq. ft.).
5. Spread one-half of the total amount of product evenly over the area to be treated. At a right angle, evenly spread the remainder of the product to achieve uniform distribution.

**APPLICATION**

**IMPORTANT: THESE SETTINGS ARE ONLY APPROXIMATE. AGE AND CONDITION OF SPREADER CAN CAUSE WIDE VARIATION.**

For best results, cover the area two times—in cross directions—at one-half rate. This method ensures complete coverage, as the second covering provides an opportunity for correction of possible operational errors or dial setting errors made on the first covering. Spread widths given on chart are operational widths based on brisk walking. Maintain an EVEN, NORMAL pace. A faster or slower pace, or tipping spreader forward to backward, will vary the spread width.

**RECOMMENDED RATES AND APPROXIMATE SPREADER SETTINGS**

MAKE	MODEL	LBS. PER 1,000 SQ. FT.	SPREAD WIDTH
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<b>Broadcast Spreaders</b>		<b>2.4</b>	<b>3.2</b>	<b>4</b>	<b>4.8</b>	<b>6.4</b>	
CYCLONE	B1/B55	5	5-1/4	5-1/2	5-3/4	6	5'
ORTHO	6000	4	5	6-1/2	9-1/2		5'
SCOTTS	3000	6	7	8	9	13	6'

<b>Drop Spreaders</b>							
ORTHO	5000	8-1/2	9	9-1/2	10	10-1/2	18"
SCOTTS	PF-3	7-3/4	8	8-1/2	10-1/2	13	21"

**Notice:** Green Light Company makes no warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on this label.