US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: ☐ REGISTRATION ☐ REREGISTRATION

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended

EPA REGISTRATION NO: 869-212

DATE OF ISSUANCE: JUL 25 1990

TERM OF ISSUANCE:

NAME OF PESTICIDE PRODUCT: Green Light Betasan 5.6 Granules

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

BEST AVAILABLE COPY

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: [illegible]

DATE: 6/22/90

EPA Form 8570-6 (Rev. 8-76) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosures

GREEN LIGHT
BETASAN[R] 3.6 GRANULES

PREVENTS CRABGRASS & OTHER WEEDS COVERS OVER 4,100 SQ. FT.

A Selective Herbicide For Pre-Emergence Control Of Crabgrass, Annual Bluegrass And Certain Other Weeds In Turf, Ornamentals And Ground Covers.

ACTIVE INGREDIENT:
Bensulide: S-(O,O-Diisopropyl phosphorodithioate) ester of N-(2-mercaptoethyl) benzenesulfonamide..... 3.6%
INERT INGREDIENTS..... 96.4%
Contains 3.6 pounds of active ingredient per 100 pounds Total 100.0%
Betasan[R] is a registered trademark of ICI Americas Inc.

KEEP OUT OF REACH OF CHILDREN
CAUTION
Read Complete Precautions On Back Panel

ACCEPTED
JAN 25 1991
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 869-212

EPA Reg. No. 869- EPA Est. No. 869-TX-1

Net Wt. 20 lbs.

Formulated by Green Light Company San Antonio, TX 78217

(Back Panel)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Avoid breathing dust. 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 and water supplies.

STATEMENT OF PRACTICAL TREATMENT

If a known exposure occurs or is suspected, immediately start the procedures given below and simultaneously contact a Poison Center, a physician, or the nearest hospital or call (800) 424-9300 Pesticide Team Safety Network.

NOTE: Be sure to advise the person contacted that the active ingredient in this compound is a cholinesterase inhibitor. Describe the type of exposure, the victim's symptoms, and follow the advice given.

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

IF SWALLOWED, give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

FOR SKIN CONTACT, flush all affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation occurs.

FOR EYE CONTACT, immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

IF INHALED, remove to fresh air. Seek medical attention. If respiratory irritation occurs or if breathing becomes difficult.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to any body of water. Do not apply where runoff if 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 is out of reach of children.
PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.
CONTAINER DISPOSAL: Do not reuse empty bag. Discard bag in trash.
SPILL OR LEAK: Small spills can be handled routinely. Use adequate ventilation and suitable protective clothing and eye protection to prevent skin and eye contact. Sweep or shovel up spilled material and wrap in several layers of newspaper and discard in trash. Wash spill area with household detergent and flush with water to remove any residue.

GENERAL USE PRECAUTIONS

Read all directions before using.
Betasan should be used only for recommended uses and at recommended rates. Do not allow children or pets on treated lawns until Betasan has been watered into the soil and the grass is completely dry. Betasan is recommended for use on mineral soils only. Do not apply peat moss to lawn, ground covers or established ornamentals before treating with Betasan.

PRODUCT INFORMATION

Betasan is recommended for use on home lawns, parks and golf courses, or ornamental plants and on ground covers for control of crabgrass, annual bluegrass, and other annual weeds listed.

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

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

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: Betasan should be applied only to well established grass lawns. Betasan can be used on the following established turf grasses:

Bahia	Centipede	Poa trivialis
Bentgrass spp.	Fescue spp.	St. Augustine
Bermudagrass spp.	Pensacola Bahia	Red Top
Perennial Bluegrass spp.	Perennial Ryegrass	Zoysia

DICHONDRA LAWNS: Betasan can be applied to dichondra lawns at the time of seeding or anytime thereafter.

ORNAMENTALS AND GROUND COVERS: Betasan should be applied only to the following well established ornamentals and ground covers:

Abelia	Coral Bell	Marigold	Sandankwa
Ajuga	Daffodil	Monterey Cyprus	Sedum
Alyssum	Dahlia	Monterey Pine	Star Jasmine
Aster	Daisy	Myrtle	Stock
Azalea	Freesia	Narcissus	Sweet Pea
Azara	Gazania	Pachysandra	Tobira
Bachelor's-Button	Gladiolus	Pansy	Tulip
Boxwood	Hypericum	Periwinkle	Wall Flower
Calendula	Ice Plant	Primrose	Wild Strawberry
Campanula	Ivy	Pyracantha	Zinnia
Candy-Tuft	Juniper	Ranunculus	

For control of crabgrass, apply Betasan at the recommended 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 Betasan at the recommended 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 extends into the late summer and early fall, a second application of Betasan at the recommended rates should be made four to five months after the initial application.

Betasan should be applied with a lawn spreader or any other applicator that will give uniform coverage. A more uniform application can be made by spreading half the required amount of Betasan 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 12 to 16 pounds of Betasan 3.6 Granules uniformly on 2,500 square feet.
ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS: Apply 20 pounds of Betasan 3.6 Granules on 2,500 square feet.

Sprinkle the area with water for 10 to 15 minutes after application to wash the Betasan 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 turf grass 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 Betasan-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 seed bed.

3. When turf disease or physiological disorders necessitate reseeding sooner than 4 months after Betasan application, apply powdered activated charcoal prior to reseeding to deactivate the Betasan.

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).

Following application, irrigate the turf with sufficient water to wash the charcoal into the soil. Reseed no sooner than 7 days after applying the charcoal.

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.

PROPER TIMING OF BETASAN APPLICATIONS - AN IMPORTANT HERBICIDE CONSIDERATION

Proper timing of each application of Betasan is essential to success since it is a preemergence 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 turf. Once crabgrass has emerged, it is too late to control it with Betasan or any other preemergence 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, Redroot Pigweed, Shepherdspurse	Goosegrass	Annual Bluegrass (Poa annua). Deadnettle (Henbit)
Northeast, Midwest, Midsouth	Mid-March through April: 4.8 to 6.4 lb.	Mid-April to Mid-May: 4.8 to 6.4 lb.	Mid-July to Mid-September: 4.8 to 6.4 lb.
South	January to Mid-March: 4.8 to 6.4 lb.	March through April: 6.4 lb.	September: 4.8 lb.
West	February: 4.8 to 6.4 lb.	March: 6.4 lb.	September: 4.8 lb.
Pacific Northwest	February: 4.8 to 6.4 lb.		February and September: 8 lb. OR September: 8 lb. PLUS: 2.5 lb. every 3 months

1. Higher rates should be used whenever heavy weed pressure is expected.

PROPER SPREADER SETTINGS AND APPLICATION RATES

This chart provides information on recommended settings for application of Betasan preemergence selective herbicide. 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.

RECOMMENDED RATES AND SPREADER SETTINGS

Make of Spreader (centrifugal)		Rates of Formulation	Spreader Settings	
		Per 1,000 Sq. Ft.	Once Over	Twice Over
Betasan 3.6-G	Cyclone	4.8 lb.	3.7	3.0
		6.4 lb.	3.9	3.2
		8.0 lb.	4.3	3.5
	Scott	4.8 lb.	C+8/10	A+8/10
		6.4 lb.	E+1/10	B+6/10
		8.0 lb.	H+3/10	C+3/10

NOTE: A Scott spreader setting of "E+1/10" means to set the spreader at "E" and move the dial mark "1/10" of the way toward "F" before tightening.