

**ACCEPTED**  
NOV 17 1982  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 74-338

Net Wt. 50 lbs. (22.68kg)

LEBARON

BETASAN 7-g

Manufactured Exclusively for Golf Courses  
and Professional Use

Granular Selective Herbicide for Pre-Emergence Control of Crabgrass and Annual Bluegrass in Turf, Ornamentals, and Ground Covers.

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICEPERSONS.

**ACTIVE INGREDIENT:**  
Bensulide: S-(0,0-Diisopropyl phosphorodithioate) ester of  
M-(2-mercaptoethyl) benzenesulfonamide..... 7.0%

**INERT INGREDIENTS:**..... 93.0%  
100.0%

Contains 7 Pounds of Active Ingredient Per 100 Pounds

BETASAN is a registered trademark of Stauffer Chemical Company.

EPA Reg. No. 961-( )

Patent No.: 3,205,253

KEEP OUT OF REACH OF CHILDREN

WARNING

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, or call collect day or night:  
(800) 424-9300

PESTICIDE TEAM SAFETY NETWORK

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.

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

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**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Immediately give large amounts of water and induce vomiting by gagging the victim with a finger placed on the back of the victim's tongue. Give water until vomitus is clear. Do not induce vomiting or 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 re-use.

**IF IN EYES:** Hold eyelids apart and flush eyes with large amounts of running water for at least 15 minutes. Get medical attention.

Made in U.S.A. For

LEBANON CHEMICAL CORPORATION

LEBANON, PA. 17042

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING:

- . Harmful if swallowed.
- . Avoid breathing dust.
- . Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Wear goggles or safety glasses when handling.
- . Wash thoroughly with soap and water after handling and before eating or smoking.
- . Wash all contaminated clothing with soap and hot water before re-use.

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 by cleaning of equipment or disposal of wastes.
- . Do not apply when weather conditions favor drift from areas treated.
- . Apply this product only as specified on this label.

STORAGE AND DISPOSAL

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

STORAGE: Store in cool, dry place.

PESTICIDE DISPOSAL: Pesticide that cannot be used according to label instructions must be disposed of according to applicable Federal, State, or local procedures.

CONTAINER DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities.

GENERAL USE PRECAUTIONS

- . READ ALL DIRECTIONS BEFORE USING.
  - . BETASAN 7-G should be used only for recommended uses and at recommended rates.
  - . Sweep up spills on walks or patios and hose area.
  - . Do not allow children or pets on treated lawns until BETASAN 7-G has been watered into the soil and grass is completely dry.
  - . Recommended for use on mineral soils only.
  - . Do not apply peat moss to lawn, ground covers or established ornamentals before treating.
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PRODUCT INFORMATION

BETASAN 7-G is recommended for use on home lawns, parks and golf courses, on ornamental plants and on ground covers for control of crabgrass, annual bluegrass and other annual weeds listed.

Application of BETASAN 7-G 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.

Remove leaves, dead or tall grass, and other debris before applying BETASAN 7-G to turf areas. Any weeds present around ornamentals must be removed or worked into the soil before applying.

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.)

DIRECTIONS FOR USE

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

Avoid contamination of food, feed, or water supplies.

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: BETASAN 7-G should be applied only to well established grass lawns. BETASAN 7-G can be used on the following established turf grasses:

- |                          |                    |                 |  |
|--------------------------|--------------------|-----------------|--|
| Bahia                    | Centipede          | Poa trivialis   |  |
| Bentgrass spp.           | Fescue spp.        | Saint Augustine |  |
| Bermudagrass spp.        | Pensacola Bahia    | Red Top         |  |
| Perennial Bluegrass spp. | Perennial Ryegrass | Koysia          |  |

DICHONDRA LAWNS: BETASAN 7-G can be applied to dichondra lawns at the time of seeding or any time thereafter.

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**ORNAMENTALS AND GROUND COVERS:** BETASAN 7-G should be applied only to the following well established ornamentals and ground covers:

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

For control of crabgrass, apply BETASAN 7-G 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 PRODUCT INFORMATION).

For control of annual bluegrass and other annual weeds, apply BETASAN 7-G at the recommended rate (see RATES OF APPLICATION) before the weeds emerge from the soil.

Where germination of crabgrass, annual bluegrass and other weeds extends into the late summer and early fall, a second application of BETASAN 7-G at the recommended rate should be made four to five months after the initial application.

BETASAN 7-G 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 of the required amount over the area to be treated, then applying the remainder at right angles or crosswise. Avoid misses by overlapping slightly.

#### RATES OF APPLICATION

Apply a maximum of 357 pounds of BETASAN 7-G per acre (8.2 pounds 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 107 to 143 pounds of BETASAN 7-G uniformly on one acre (2.4-3.2 pounds per 1,000 square feet).

**ANNUAL BLUEGRASS, GOOSEGRASS AND OTHER ANNUAL WEEDS:** Apply 180 pounds of BETASAN 7-G uniformly on one acre (10 pounds per 2,500 square feet).

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Sprinkle the area with water for 10 to 15 minutes after application to wash the BETASAN 7-G down into the soil where the weed seeds are located.

When a weed control program involves two to three applications of BETASAN 7-G for crabgrass, goosegrass and annual bluegrass, the rate of application for goosegrass and annual bluegrass may be reduced to 107 pounds to 143 pounds per acre, using the higher rate for heavier infestations.

**BETASAN 7-G RATE TABLE AND SPREADER SETTINGS**

Make of Spreader	Desired Rate Per Acre	Desired Rate Per 1,000 Sq. Ft.	Spreader Settings		Spread Width
			Once Over	Twice Over	
Cyclone (1)	107 Lbs.	2.4 Lbs.	3.55	3.25	5 Ft.
	180 Lbs.	4.1 Lbs.	3.95	3.45	5 Ft.
Scott (1)	107 Lbs.	2.4 Lbs.	4.3	3.4	20 In.
	180 Lbs.	4.1 Lbs.	5.6	4.0	20 In.
Scott Centrifugal (1)(2)(3)	107 Lbs.	2.4 Lbs.	B-0.9-C	A-0.4-B	5 Ft.
	180 Lbs.	4.1 Lbs.	G-0.8-D	B-0.3-C	5 Ft.

(1) Based on 2-mile per hour rate of travel. (2) Should be used as a guide only - recalibrate frequently.  
 (3) Numbers indicate how far from first letter toward second letter, and B-0.9-C=9 tenths of distance from B to C.

#### RESEEDING

Any material 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 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 re-seeding into BETASAN 7-G 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 seed bed.
3. When turf diseases or physiological disorders necessitate reseeded sooner than 4 months after BETASAN 7-G application, apply powdered activated charcoal prior to reseeded to deactivate the BETASAN 7-G.

Apply the activated charcoal at a rate of 7 pounds per 1,000 square feet in 14 gallons of water (300 pounds per acre in 600 gallons of water).

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:** Lebanon Chemical Corporation makes no warranties, express or implied, including the warranties of merchantability and/or fitness for any particular purpose concerning this material, except those which are contained on this label.

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