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32802-16

**ACCEPTED**  
SEP 3 0 1987  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the possible registration under FFA Reg. No. 32802-16

# BETASAN® 7G

**GRANULES—A Selective Herbicide for Pre-emergence Control of Crabgrass and Annual Bluegrass in Turf—Ornamentals—Ground Covers.**

BETASAN—Registered Trademark Stauffer Chemical Company, U.S. Patent #3,205,253  
**ACTIVE INGREDIENT:**  
Bensulfide S-(0,0-Diisopropyl phosphorodithioate ester of N-(2-mercaptoethyl) benzenesulfonamide) ..... 7.0%  
**INERT INGREDIENTS:** ..... 93.0%  
Total 100.0%

**Howard Johnson's Enterprises, Inc.**  
Viroqua, WI 54605, Neosho, MO 64850  
EPA REG. NO. 32802-16  
EPA EST. NO. 32802-WI-1 (A)  
32802-MO-1 (B)  
The first letter of code indicates location of manufacturing plant.  
**NET WEIGHT 50 POUNDS**

50 Pounds Treats up to 25,000 Sq. Ft.

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING**  
**STATEMENTS OF PRACTICAL TREATMENT**  
**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 blunt object placed on the back of a victim's tongue. Give fluids until vomiting is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing 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 water for at least 15 minutes. Get medical attention if irritation persists.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING:** Harmful if swallowed. Avoid breathing dust. Causes moderate eye irritation. Do not get into 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 use.  
**ENVIRONMENTAL HAZARDS**  
Do not contaminate water by cleaning of equipment or disposal of wastes. This product is toxic to fish. Do not apply directly to any body of water. Do not apply when weather conditions favor drift from areas treated.

**DIRECTIONS FOR USE**  
**STORAGE AND DISPOSAL**  
Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children. **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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **HOUSEHOLD:** Do not re-use empty bag. Wrap and put in trash.

**DIRECTIONS FOR USE (Cont.)**  
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**WEEDS CONTROLLED**  
SMOOTH CRABGRASS, Hairy CRABGRASS, REDROOT PIWEEED, BARNYARDGRASS, LAMBSQUARTERS, GOOSEGRASS, ANNUAL BLUEGRASS, SHEPHERDSPURSE, DEADNETTLE

**GENERAL USE PRECAUTIONS**  
BETASAN should be used only for recommended uses and at recommended rates. Sweep up spills on walks or patios and hot areas. Do not allow children or pets on treated lawns until BETASAN has been watered in to the soil and the grass is completely dry.

**PRODUCT INFORMATION**  
BETASAN 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.

**DIRECTIONS FOR APPLICATION**  
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 soil. If weeds are visible above the soil, it is too late to apply BETASAN.

Remove leaves, dead or fall 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.

BETASAN is recommended for use on mineral soil only. Do not apply post moss to lawn, ground covers or established ornamentals before treating with BETASAN.

**TIMING OF APPLICATION—GENERAL COMMENTS**  
**GRASS LAWNS:** BETASAN should be applied only to well established grass lawns. BETASAN can be used on the following established turfgrasses: Bahia, Bentgrass spp., Bermudagrass spp., Perennial Bluegrass spp., Centipede, Fescue spp., Pensacola Bahia, Perennial Ryegrass, Poe Trifolium, St. Augustine, Red Top, Zoysia.

**DICHONDRA LAWNS:** BETASAN can be applied to dichondra lawns at the time of seeding or any time thereafter.  
**ORNAMENTALS AND GROUND COVERS:** BETASAN should be applied only to the following well established ornamentals and ground covers: Alyssum, Aster, Bachelor's Button, Calceola, Candy-Tuft, Galtonia, Dahlia, Freesia, Abelia, Azalea, Azara, Boxwood, Apricot, Campanula, Gazania, Coral Bell, Daisy, Margold, Pansy, Penrose, Gladiolus, Narcissus, Juniper, Monterey Cypress, Monterey Pine, Myrtle, Hypericum, Ice Plant, Ivy, Pachysandra, Stock, Sweet Pea, Yucca Flower, Zinnia, Ranunculus, Tulip, Pyracantha, Sarcocolla, Star Jasmine, Tobira, Penwinkle, Sedum and Wild Strawberry.

For control of Crabgrass, apply BETASAN at recommended rate (see RATES OF APPLICATION) anytime from fall—September or October—through early spring and summer control. With a late winter or an early spring application, the application must be made prior to crabgrass emergence (see DIRECTIONS FOR APPLICATION).

For control of annual bluegrass and other annual weeds, apply BETASAN at the recommended rates (see RATES OF APPLICATION) before the weeds emerge from the soil. In southern and western states 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. Sprinkle the area with water for 10-15 minutes after application to wash the BETASAN down into the soil where the weed seeds are located.

Consult weed specialists of the State Agricultural Experiment Station or the State Agricultural Extension Service for additional information, as to timing and rate of application needed with vary with local conditions.

Notice—Buyer assumes all risk and liability of use, storage and/or handling of this material not in accordance with the terms of this label.

**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 occur when reseeding into BETASAN-treated areas.

1. Do not reseed within 4 months after application. 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.
  2. When turf diseases 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 lbs. per 1,000 square feet in 14 gallons of water per 1,000 square feet (300 lbs. per acre 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.

**RATES OF APPLICATION**  
**CRABGRASS ONLY:** Apply 50 pounds of BETASAN-7G granular uniformly over 20,000 square feet (107 pounds per acre).  
**ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS:** Apply 50 pounds of BETASAN-7G granular uniformly over 25,000 square feet (180 pounds per acre).

**SPREADER SETTINGS**

Spreader	107#/Acre	180#/Acre
SCOTT	28 (2.2 inches over)	38 (3.1 inches over)

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**BEST AVAILABLE COPY**