

ACCEPTED

NOV 17 1962

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 904-1000

PRATT BETASAN® 12.5-G
Annual Selective Herbicide for Pre-Emergence Control of C. Grass
and Annual Bluegrass in Turf, Ornamentals, and Ground Covers.

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

ACTIVE INGREDIENT:

Sulfide: S-(8,8-Diisopropyl phosphorodithioate) ester of
N-(2-mercaptoethyl)benzenesulfonamide 12.5%

INERT INGREDIENTS:

Contains 12.5 Pounds Of Active Ingredient Per 100 Pounds. 87.5%
100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

BEST DOCUMENT AVAILABLE

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 of 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.

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 vomiting 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: Remove contaminated clothing and wash affected area with soap and water. Launder clothing before reusing.

IF IN EYES: Hold eyelids apart and flush eyes with large amounts of running water. Get medical attention.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America Patent No.: 3,205,253
BETASAN® is a registered trademark of Stauffer Chemical Company.
EPA Reg. No. 904-
EPA Est. 72-PA-1

Lbs. Net Wt. _____
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PRATT-GABRIEL DIVISION
MILLER CHEMICAL & FERTILIZER CORPORATION
Hanover, Pennsylvania 17331/An Alco Standard Company

(LEFT PANEL)

PRECAUTIONARY STATEMENTSHAZARDS TO HUMANS AND DOMESTIC ANIMALSWARNING:

- 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.

BEST DOCUMENT AVAILABLEENVIRONMENTAL 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 12.5-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 12.5-G has been watered into the soil and grass is completely dry.
- BETASAN 12.5-G is recommended for use on mineral soils only.
- Do not apply peat moss to lawn, ground covers or established ornamentals before treating with BETASAN 12.5-G.

PRODUCT INFORMATION

BETASAN 12.5-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 12.5-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 BETASAN 12.5-G.

Remove leaves, dead or tall grass, and other debris before applying BETASAN 12.5-G to turf areas. Any weeds present around ornamentals must be removed or worked into the soil before applying BETASAN 12.5-G.

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 12.5-G should be applied only to well established grass lawns. BETASAN 12.5-G can be used on the following established turf grasses:

Bahia	Centipede	<i>Poa trivialis</i>
Bentgrass spp.	Fescue spp.	Saint Augustine
Perennial Bluegrass spp.	Pensacola Bahia	Red Top
Bermudagrass spp.	Perennial Ryegrass	Zoysia

DICHONDRA LAWNS: BETASAN 12.5-G can be applied to dichondra lawns at the time of seeding or any time thereafter.

ORNAMENTALS AND GROUND COVERS: BETASAN 12.5-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	Xylosma
Boxwood	Privet	Periwinkle
Gaphne	Hypericum	Sedum
Holly	Ice Plant	Wild Strawberry
Ajuga	Ivy	
Campanula	Pachysandra	
Gazania		

For control of crabgrass, apply BETASAN 12.5-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 12.5-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 12.5-G at the recommended rate should be made four to five months after the initial application.

BETASAN 12.5-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 of BETASAN 12.5-G 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 to 15 minutes after application to wash the BETASAN 12.5-G down into the soil where the weed seeds are located.

RATES OF APPLICATION

Apply a maximum of 200 pounds of BETASAN 12.5-G per acre (4-1/2 pounds per 1,000 square feet) per year in two or more applications depending on the weed species and degree of infestations.

BETASAN 12.5-G

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

CRABGRASS ONLY: Apply 80 pounds of BETASAN 12.5-G uniformly on one acre (40 pounds per one-half acre; 1.9 pounds per 1,000 sq. ft.).

ANNUAL BLUEGRASS, GOOSEGRASS AND OTHER ANNUAL WEEDS: Apply 100 pounds of BETASAN 12.5-G uniformly on one acre (50 pounds per one-half acre; 2.4 pounds per 1,000 sq. ft.).

BETASAN 12.5-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	80 Lbs.	1.9 Lbs.	2.6	2.3	6 1/2 Ft.
	100 Lbs.	2.4 Lbs.	2.8	2.6	6 1/2 Ft.
Scott	100 Lbs.	2.4 Lbs.	3.5	2.6	
Central					
#1615A	100 Lbs.	2.4 Lbs.	4	3	
#1665	100 Lbs.	2.4 Lbs.	5 1/4	4 1/2	

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 12.5-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 reseeding sooner than 4 months after BETASAN 12.5-G application, apply powdered activated charcoal prior to reseeding to deactivate the BETASAN 12.5-G.

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).

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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.

LIMITED WARRANTY: BUYER ASSUMES ALL RISKS OF USE, STORAGE, AND HANDLING OF THIS MATERIAL NOT IN STRICT ACCORDANCE WITH DIRECTIONS GIVEN HEREWITH.

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PRATT BETASAN® 7-G

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

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INERT INGREDIENTS: 92.9%
100.0%

Contains 7 Pounds Of Active Ingredient Per 100 Pounds.

EPA REG NO. 904 ?

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