

WEEDS CONTROLLED

Smooth Crabgrass (<i>Digitaria ischaemum</i>)	Goosegrass (<i>Elymus indica</i>)
Hairy Crabgrass (<i>Digitaria sanguinalis</i>)	Annual Bluegrass (<i>Poa annua</i>)
Redroot Pigweed (<i>Amaranthus retrofractus</i>)	Shepherdspurse (<i>Capsella bursa-pastoris</i>)
Barnyardgrass (<i>Echinochloa spp.</i>)	Deadnettle (henbit) (<i>Rumex spp.</i>)
Lambquarters (<i>Chenopodium album</i>)	

GENERAL USE PRECAUTIONS
READ ALL DIRECTIONS BEFORE USING

BETASAN should be used only for recommended uses and at recommended rates.
 Apply when there is little or no wind to avoid drift.
 Clean up spills on walks or patios by covering with dry soil or absorptive material. Bury sweepings and hose area.
 Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies.
 Do not allow children or pets on treated lawns until BETASAN has been watered into the soil and grass is completely dry.
 Toxic to fish. Do not contaminate any body of water, by direct application, cleaning of equipment or disposal of wastes and containers.
 Consult weed specialists of the State Agricultural Experiment Station or the State Agricultural Extension Service for additional information, as the timing and rate of application needed will vary with local conditions.

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 sod. If weeds are visible above the soil, it is too late to apply BETASAN.
 Remove leaves, dead tall grass, and the 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 peat 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 turf grasses:

- | | |
|--------------------------|--------------------|
| BAHIA | PENSACOLA |
| BENTGRASS SPP. | PERENNIAL RYEGRASS |
| BERMUDAGRASS | POA TRIVIALIS |
| PERENNIAL BLUEGRASS SPP. | ST. AUGUSTINE |
| CENTPEDE | RED TOP |
| RESCUE SPP. | ZOYSIA |

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

ACCEPTED

Sep 8, 1969
 UNDER THE PROVISIONS OF THE FEDERAL INSECTICIDE ACT AND FUNGICIDE AND MITICIDE ACT FOR ECONOMIC PEST CONTROL REGISTERED UNDER NO. 476-1817



_____ Gal. Net

Betasan[®]

4-E

A SELECTIVE HERBICIDE FOR PRE-EMERGENCE CONTROL OF CRABGRASS AND ANNUAL BLUEGRASS IN TURF, ORNAMENTALS AND GROUND COVERS

Contains 4 Lbs. Betasan per Gal.

ACTIVE INGREDIENT:
 S-(O,O-diisopropyl phosphorodithioate) of N-(2-mercaptoethyl) benzenesulfonamide 45.2%
INERT INGREDIENTS 54.8%
 © Reg. T.M. of Stauffer Chemical Company U.S. Patent No. 3,205,253 **100.0%**

CAUTION Keep Out of Reach of Children
 • HARMFUL IF SWALLOWED.
 • AVOID PROLONGED OR REPEATED CONTACT WITH THE SKIN.
 • AVOID CONTACT WITH THE EYES.
 • AVOID CONTAMINATION OF FEED AND FOOD, DRINKING WATER AND FISH PONDS.
 DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

PROTECT FROM TEMPERATURES BELOW 42°F. PRODUCT CRYSTALLIZES AT LOWER TEMPERATURES. WARM OR STORE AT HIGHER TEMPERATURES, AND MIX TO RE-DESOLVE CRYSTALS AND ASSURE UNIFORMITY BEFORE USE.

DESTROY EMPTY CONTAINER IMMEDIATELY — PERFORATE AND BURY
STAUFFER CHEMICAL COMPANY
 NEW YORK, NY 10017

476-1817

09/08/1969

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TIMING OF APPLICATION — GENERAL COMMENTS (Continued)

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

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

For control of CRABGRASS, apply BETASAN 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 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 rate (see "RATES OF APPLICATION") before the weeds emerge from the soil. In southern or western states where germination of crabgrass, annual bluegrass, and other annual weeds extends into the late summer and early fall, a second application of BETASAN at the recommended rates should be made 4 to 5 months after the initial application.

BETASAN should be applied with spray equipment that will provide uniform application such as a knapsack sprayer, hose proportioner, or pressure sprayer.

Sprinkle with water for 10 to 15 minutes after application to wash the BETASAN off the grass and down into the soil where the weed seeds are located.

RATES OF APPLICATION

CRABGRASS: Apply 2-1/2 gallons of BETASAN 4-E in 80 to 100 gallons of water uniformly on one acre (7.4 fl. oz. per 1,000 sq. feet).

ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS: Apply 3-1/8 gallons of BETASAN 4-E in 80 to 100 gallons of water uniformly on one acre (9.4 fl. oz. per 1,000 sq. feet).

RE-SEEDING

Any material that provides effective control of annual grasses may affect new lawn 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-treated areas:

1. Do not re-seed within four months after application.
2. Renovate the area to be re-seeded by raking thoroughly and mix sterilized (weed-free) organic mulch (50-50 by volume) into the top two inches of soil.

NOTICE: Stauffer Chemical Company makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Stauffer's label.

USDA Reg. No. 476-1817

ARC690:15 690723MW

Made in U.S.A.
Stauffer Chemical Co., New York