

PRODUCT INFORMATION

BETASAN 4-E 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.

WEEDS CONTROLLED

Smooth Crabgrass (*Digitaria ischaemum*)
 Hairy Crabgrass (*Digitaria sanguinalis*)
 Redroot Pigweed (*Amaranthus retroflexus*)
 Watergrass (*Echinochloa* spp.)
 Lambsquarters (*Chenopodium album*)
 Goosegrass (*Elysiene indica*)
 Annual Bluegrass (*Poa annua*)
 Shepherdspurse (*Capsella bursa-pastoris*)
 Deadnettle (*Lamium amplexicaule*)

GENERAL USE PRECAUTIONS

READ ALL LABEL DIRECTIONS BEFORE USING.

BETASAN 4-E should be used only for recommended purposes and at recommended rates.

BETASAN 4-E is recommended for use on mineral soils only. Do not apply peat moss to lawn, ground covers or established ornamentals before treating with BETASAN 4-E.

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 4-E has been watered into 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.

DIRECTIONS FOR APPLICATION

Application of BETASAN 4-E 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 4-E.

Remove leaves, dead or tall grass, and other debris, or thoroughly work them into the soil before applying BETASAN 4-E.

BETASAN 4-E is recommended for use on mineral soils only. Do not apply peat moss to lawn ground covers or established ornamentals before treating with BETASAN 4-E.

TIMING OF APPLICATION

GENERAL COMMENTS

GRASS LAWNS: BETASAN 4-E should be applied only to well-established grass lawns. BETASAN 4-E can be used on the following established turf grasses:

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

DICHONDRA LAWNS: BETASAN 4-E can be applied to dichondra lawns at the time of seeding or any time thereafter.

ORNAMENTALS AND GROUND COVERS: BETASAN 4-E should be applied only to the following ornamentals and ground covers.

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

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Betasan[®] 4-E

SELECTIVE HERBICIDE EMULSIFIABLE LIQUID PRE-EMERGENCE CONTROL OF CRABGRASS & ANNUAL BLUEGRASS IN TURF · ORNAMENTALS · GROUND COVERS

ACTIVE INGREDIENT:
 S-(O,O-diisopropyl phosphorodithioate) of N-(2-mercaptoethyl) benzenesulfonamide 45.2%
INERT INGREDIENTS 54.8%
 100.0%

Contains 4 Pounds BETASAN per Gallon
 U. S. Pat. No's. 3,205,253; 3,298,819.

PROTECT FROM TEMPERATURES BELOW 42° F.
 Product crystallizes at lower temperatures. Warm or store at higher temperatures, and mix to redissolve crystals and assure uniformity before use.

CAUTION

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid prolonged or repeated contact with the skin. Avoid contact with the eyes. In case of contact flush with plenty of water; for eyes get medical attention. Avoid contamination of food, feed, drinking water and fish ponds. Do not use or store near heat or open flame.

1 GAL. NET
 Made in U.S.A. by

STAUFFER CHEMICAL COMPANY
 NEW YORK

ACCEPTED

May 7, 1968

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 476-1817

476-1817

05/07/1968

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Timing of Application — General Comments

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For control of CRABGRASS, apply BETASAN 4-E at the recommended rate (See "RATES OF APPLICATION") in the late winter or any time from late 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 4-E at the recommended rate (see "RATES OF APPLICATION") before the weeds emerge from the soil. Consult State Agricultural Experiment Station weed specialists or garden specialists for specific information as the timing of application will vary with local conditions.

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 4-E at the recommended rates should be made 4 to 5 months after the initial application.

BETASAN 4-E 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 4-E off the grass and down into the soil where the weed seeds are located.

RATES OF APPLICATION

CRABGRASS: Apply 1 gallon of BETASAN 4-E in 40 to 50 gallons of water uniformly on 17,400 square feet.

ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS: Apply 1 gallon of BETASAN 4-E in 40 to 50 gallons of water uniformly on 13,900 square feet.

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 existing turf grass to fill in the thin or bare spots formerly into BETASAN 4-E treated areas:

1. Do not reseed within four months after application.
2. Renovate the area to be reseeded 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

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Made in U.S.A.

Stauffer Chemical Co., New York