

Bahia	Centiiedo	Poa trivialis
Bentgrass spp.	Fescue spp.	Saint Augustine
Perennial Bluegrass spp.	Pensacola Bahia	Red Top
Bermudagrass 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 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	Pariwinkle
Daphne	Hypericum	Sedum
Holly	Ice Plant	Wild Strawberry
Ajunga	Ivy	
Campanula	Fachysandra	
Gazania		

For control of crabgrass, apply BETASAN 4-E 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 4-E at the recommended rate (see RATES OF APPLICATION) before weeds emerge from the soil.

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.

RATES OF APPLICATION

Apply a maximum of 64 gallons (50 pints) of BETASAN 4-E per acre (18 fluid ounces per 1,000 square feet) per year in two or more applications depending on the weed species and degree of infestation.

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

CRABGRASS ONLY: Apply 1-7/8 gallons (15 pints) to 2.5 gallons (20 pints) of BETASAN 4-E in 80 to 100 gallons of water uniformly on one acre (5.6 to 7.3 fluid ounces per 1,000 square feet).

Rate of Application for the Liquid Applicator: Use 22 to 29 fluid ounces in 24 gallons of water and apply to 4,000 square feet of lawn. Water thoroughly after application.

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 fluid ounces per 1,000 square feet).

When a weed control program involves two to three applications of BETASAN for crabgrass, goosegrass and bluegrasses, the rate of application for goosegrass and annual bluegrass may be reduced to 1-7/8 gallons (15 pints) to 2.5 gallons (20 pints) per acre (5.6 to 7.3 fluid ounces per 1,000 square feet), using the higher rate for heavier infestations.

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 reseeding into BETASAN-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 4-E application, apply powdered activated charcoal prior to reseeding to deactivate the BETASAN 4-E.

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).

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.

WARRANTY

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

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ACCEPTED

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 961-336

LEBANON

BETASAN 4-E

Emulsifiable Liquid

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 N-(2-mercaptoethyl) benzenesulfonamide..... 46.0%

INERT INGREDIENTS:..... 54.0%
100.0%

Contains 4 Pounds of Active Ingredient Per Gallon.

BETASAN is a registered trademark of Stauffer Chemical Company.

EPA Reg. No. 961-

Patent No.: 3,205,253

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.

IF SWALLOWED: DO NOT induce vomiting. Immediately call a physician or Poison Control Center. Give large quantities of water and get medical attention..... If vomiting occurs, give fluids again. Never 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.

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

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Made in U.S.A. For
LEBANON CHEMICAL CORPORATION
LEBANON, PA. 17042

Net Contents 1 Gal.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION:

- . Harmful if swallowed or absorbed through the skin.
- . Avoid breathing spray mists.
- . Causes moderate eye irritation. Do not get in 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 re-use.
- . Avoid contamination of food, feed, or water supplies.

ENVIRONMENTAL HAZARDS

- . This product is toxic to fish. Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
- . Do not apply when weather conditions favor drift from area treated.

PHYSICAL HAZARDS

- . Combustible. Do not use, store, pour, or spill near heat or open flame. Keep container closed when not in use.

STORAGE AND DISPOSAL

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

STORAGE: 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. Do not store near sources of heat or open flame.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

GENERAL USE PRECAUTIONS

- . READ ALL DIRECTIONS BEFORE USING.
- . MIX WELL BEFORE DILUTING WITH WATER.
- . BETASAN 4-E should be used only for recommended uses and at recommended rates.
- . Clean-up spills on walks or patios by covering with dry soil or absorbent material. Bury sweepings and hose area.

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- . Do not allow children or pets on treated lawns until grass is completely dry.
- . 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.

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.

Application of BETASAN 4-E must precede emergence of weeds from the soil. Crabgrass will emerge from the soil from 4 to 6 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 tall grass, and other debris before applying BETASAN 4-E to turf areas. Any weeds present around ornamentals must be removed or worked into the soil before applying BETASAN 4-E.

WEEDS CONTROLLED

Annual Bluegrass (Poa annua)
 Barnyardgrass (Watergrass) (Echinochloa spp.)
 Deadnettle (Henbit) (Lamium spp.)
 Fall Panicum (Panicum dichotomiflorum)
 Foxtails (Setaria spp.)
 Goosegrass (Eleusine indica)
 Hairy Crabgrass (Digitaria sanguinalis)
 Lambquarters (Chenopodium album)
 Redroot Pigweed (Amaranthus retroflexus)
 Shepherdspurse (Capsella bursa-pastoris)
 Smooth Crabgrass (Digitaria ischaemum)

DIRECTIONS FOR USE

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

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 of the State Agricultural Experiment Station.

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