

**BEST AVAILABLE COPY**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

- Harmful if swallowed or absorbed through the skin
- Avoid breathing spray mist
- Avoid contact with skin, eyes and clothing
- Wash all contaminated clothing with soap and hot water before reuse
- Avoid contamination of food, feed or water supplies

**ENVIRONMENTAL HAZARDS**

- This product is toxic to fish. Keep out of lakes, streams, and ponds. 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 area treated
- Apply this product only as specified on this label

**PHYSICAL HAZARDS**

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

**GENERAL USE PRECAUTIONS**

- READ ALL DIRECTIONS BEFORE USING
- MIX WELL BEFORE DILUTING WITH WATER
- BETASAN 2.9-E should be used only for recommended uses and at recommended rates
- Do not allow children or pets on treated lawns until BETASAN 2.9-E has been watered into the soil and grass is completely dry
- BETASAN 2.9-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 2.9-E

**PRODUCT INFORMATION**

BETASAN 2.9-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 2.9-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 2.9-E. Remove leaves, dead or tall grass and other debris or thoroughly work them into the soil before applying BETASAN 2.9-E.

**WEEDS CONTROLLED**

Annual Bluegrass (*Poa annua*)  
Barnyardgrass (Watergrass) (*Echinochloa* spp.)  
Deadnettle (Henbit) (*Lamium* spp.)  
Foxtails (*Setaria* spp.)  
Goosegrass (*Eleusine indica*)

Hairy Crabgrass (*Digitaria sanguinalis*)  
Lambsquarters (*Chenopodium album*)  
Redroot Pigweed (*Amaranthus retrofractus*)  
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**

**GRASS LAWNS:** BETASAN 2.9-E should be applied only to well established grass lawns. BETASAN 2.9-E can be used on the following established turf grasses:

Bahia Centipede  
Bermudagrass spp. Fescue spp.  
Bermudagrass spp. Pensacola Bahia

Perennial Bluegrass spp.  
Perennial Ryegrass  
Poa trivialis

Saint Augustine  
Red Top  
Zoysia

**DICHONDRA LAWNS:** BETASAN 2.9-E can be applied to dichondra lawns at the time of seeding or any time thereafter.  
**ORNAMENTALS AND GROUND COVERS:** BETASAN 2.9-E should be applied only to the following well established ornamentals and ground covers:

Abelia  
Allyp  
Aster  
Azalea

Daffodil  
Dahlia  
Daylily  
Daphne  
Freesia

Marigold  
Monterey Cypress  
Monterey Pine  
Myrtle  
Narcissus

Sandankwa  
Sedum  
Star Jasmine  
Stock  
Sweet Pea

(Continued on right side)

**ACCEPTED**

APR 25 1984

U.S. Department of Agriculture  
Federal Insecticide, Fungicide, and Rodenticide Act  
EPA Reg. No. 476-1897

**Betasan® 2.9-E EMULSIFIABLE LIQUID**

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

**ACTIVE INGREDIENT:**

Bensulfide S-(O,O-Diisopropyl phosphorodithioate) ester of  
N-(2-mercaptoethyl) benzenesulfonamide

**INERT INGREDIENTS:**

34.8%  
65.2%  
100.0%

Contains 2.9 Pounds Of Active ingredient Per Gallon

**Keep Out of Reach of Children**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

If a known exposure occurs or is suspected, immediately start the procedures given below and simultaneously contact a Poison Center, a physician, or the nearest hospital or call collect day or night (203) 266-6602 Stauffer Chemical Company or (800) 424-9300 Pesticide Team Safety Network.

**NOTE:** Be sure to advise the person contacted that the active ingredient in this compound is a cholinesterase inhibitor. Describe the type of exposure, the victim's symptoms, and follow the advice given.

**NOTE TO MEDICAL PERSONNEL:** Should cholinesterase inhibition occur, atropine by injection is antidotal. 2-PAM (Protopan Chloride) is also antidotal when administered early and in conjunction with atropine.

**If swallowed:** Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**For skin contact:** Flush all affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation occurs.

**For eye contact:** Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

**If inhaled:** Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg No 476-1897

EPA Est 476-AJ-1

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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



Made in U.S.A. by

**STAUFFER CHEMICAL COMPANY**

**WESTPORT, CT 06881-0850**

WT 3-04

Azara  
Bachelor's Button  
Boxwood  
Catenula  
Campanula  
Candy Tuft  
Coral Bell

Gazania  
Gladiolus  
Holly  
Hypericum  
Ice Plant  
Ivy  
Juniper

Pachysandra  
Pansy  
Periwinkle  
Primrose  
Privet  
Pyracantha  
Ranunculus

Tobacco  
Tulip  
Wall Flower  
Wild Strawberry  
Xylosma  
Zinnia

For control of crabgrass, apply BETASAN 2 9-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 2 9-E at the recommended rate (see RATES OF APPLICATION) before weeds emerge from the soil.

Consult weed specialists of the State Agricultural Experiment Station or the State Agricultural Extension Service for additional information as the timing of applications needed will vary with local conditions.

BETASAN 2 9-E should be applied with spray equipment that will provide uniform application such as a hose end sprayer or 1 to 3 gallon pump sprayer.

#### RATES OF APPLICATION

**CRABGRASS ONLY:** Apply 7 1/2 to 10 fluid ounces of BETASAN 2 9-E in 1 to 3 gallons of water uniformly on 1,000 square feet.  
**ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS:** Apply 12 1/2 fluid ounces of BETASAN 2 9-E in 1 to 3 gallons of water uniformly on 1,000 square feet.

Sprinkle with water for 10 to 15 minutes after application to wash the BETASAN 2 9-E off the grass and down into the soil where the weed seeds are located.

Where germination of crabgrass, annual bluegrass and other annual weeds extends into the late summer and early fall, a second application of BETASAN 2 9-E at recommended rates should be made four to five months after the initial application.

#### 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 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.
3. When turf diseases or physiological disorders necessitate reseeding sooner than 4 months after BETASAN 2 9-E application, apply powdered activated charcoal prior to reseeding to deactivate the BETASAN 2 9-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.

#### STORAGE AND DISPOSAL

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

**STORAGE:** Store only in original container in an area that can be locked and is out of reach of children. Protect from temperatures below 32°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:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

**SPILL OR LEAK:** Soak up pooled liquid with a suitable absorbent such as clay sawdust or kitty litter. Sweep up absorbed material and wrap in several layers of newspaper and discard in trash. Generously cover contaminated area with a slurry of common household laundry detergent and water. Using a stiff brush, work the slurry into cracks and crevices. Allow to stand for 2-3 minutes then flush with water. Repeat if necessary.

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

