

## **PLEASE NOTE**

**This image contains more than one label approved for this product on this date.**

"Rate of Application for the John Doe Liquid Applicator:  
Use 22 fluid ounces in 2-1/2 gallons of water and apply to 4,000  
square feet of lawn. Water thoroughly after application."

For control of crabgrass, annual bluegrass and other annual  
weeds listed.

### WEEDS CONTROLLED

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

(NOTE: BETASAN does not control established weeds.)

### OBSERVE THE FOLLOWING USE PRECAUTIONS

Read all label directions before using.  
BETASAN 4-E should be used only for recommended uses  
and at recommended rates. Apply when there is little or no  
wind to avoid drift.

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.

Do not allow children or pets on treated lawns until BETA-  
SAN 4-E has been watered into the soil and grass is com-  
pletely dry.

Clean up spills on walks or patios by covering with dry soil  
or absorptive materials. Bury sweepings and hose area.  
Do not store near seeds or fertilizer. Keep container closed  
when not in use.

**FISH CAUTIONS:** This product is toxic to fish. Keep out of  
lakes, streams or ponds. Do not contaminate water by clean-  
ing of equipment or disposal of wastes. Apply this product  
only as specified on this label.

Apply 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.

### TIMING OF APPLICATION GENERAL COMMENTS

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

Bahia	Centipede	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 di-  
chondra 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	
Daffodil	Gladiolus	Ranunculus
Dahlia	Narcissus	Tulip
Freesia		
Abelia	Juniper	Pyracantha
Azalea	Monterey Cypress	Sandankwa
Azara	Monterey Pine	Star Jasmine
Boxwood	Myrtle	Tobira
Daphne	Privet	Xylosma
Holly		
Ajuga	Hypericum	Periwinkle
Campanula	Ice Plant	Sedum
Gazania	Ivy	Wild Strawberry
	Pachysandra	

(Continued on right panel)

Stauffer  
CHEMICALS

# Betasan

**EMULSIFIABLE LIQUID  
A SELECTIVE HERBICIDE FOR USE IN**

**TURF, ORNAMENTALS AND G**

**ACTIVE INGREDIENT:**  
S-(O, O-diisopropyl phosphorodithioate) of  
N-(2-mercaptoethyl) benzenesulfonamide 46%  
INERT INGREDIENTS: \_\_\_\_\_ 54%  
100%

Contains 4  
U.S. Pater  
PROTECT  
Product cr  
or store at  
solve cryst

**CAUTION** **KEEP OUT**  
**HARMFUL IF SWALLOWED.** Avoid contact with  
thoroughly after use. Avoid contamination of food  
and fish ponds.

Do not use, pour, spill or store near heat

A-2

Made in U.S.A. by

**STAUFFER CHEMICAL**  
**WESTPORT, CT 06**

### Timing of Application — General Comments

(Continued from left panel)

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 "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.

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.

Consult weed specialists of the state agricultural extension service or the state agricultural experiment stations for additional information, as the timing of application will vary with local conditions.

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

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

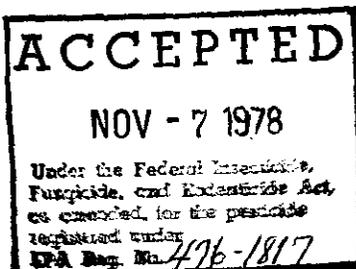
### RESEEDING

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 any stunting of turf grasses which may occur when re-seeding into BETASAN-treated areas:

1. Do not reseed within 4 months after application. 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.

2.



orders necessary for BETASAN charcoal prior

of 7 pounds per 1,000 sq. yds of water

with sufficient water to wash the charcoal

**RINSE:** RINSE WITH WATER. DISPOSE OF WASTES BY BURYING IN NON-CROP LANDS AWAY FROM WATER SUPPLIES. DISPOSE OF CONTAINER BY CRUSHING IT AND BURYING IT WITH WASTES.

**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.

EPA Reg. No. 476-1817

EPA Est. 476-CA-1

**NEXT**

**LABEL**

"Rate of Application for the John Doe Liquid Applicator:  
Use 22 fluid ounces in 2-1/2 gallons of water and apply to 4,000  
square feet of lawn. Water thoroughly after application."

and golf courses, ornamental plants and on green areas for control of crabgrass, annual bluegrass and other annual weeds listed.

### WEEDS CONTROLLED

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

(NOTE: BETASAN does not control established weeds.)

### OBSERVE THE FOLLOWING USE PRECAUTIONS

Read all label directions before using. BETASAN 4-E should be used only for recommended uses and at recommended rates. Apply when there is little or no wind to avoid drift.

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.

Do not allow children or pets on treated lawns until BETASAN 4-E has been watered into the soil and grass is completely dry.

Clean up spills on walks or patios by covering with dry soil or absorptive materials. Bury sweepings and hose area. Do not store near seeds or fertilizer. Keep container closed when not in use.

**FISH CAUTIONS:** This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

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.

### TIMING OF APPLICATION GENERAL COMMENTS

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

Bahia	Centipede	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	
Daffodil	Gladiolus	Ranunculus
Dahlia	Narcissus	Tulip
Freesia		
Abelia	Juniper	Pyracantha
Azalea	Monterey Cypress	Sandankwa
Azara	Monterey Pine	Star Jasmine
Boxwood	Myrtle	Tobira
Daphne	Privet	Xylosma
Holly		
Ajuga	Hypericum	Periwinkle
Campanula	Ice Plant	Sedum
Gazania	Ivy	Wild Strawberry
	Pachysandra	

(Continued on right panel)

Stauffer  
CHEMICALS

# Betas

**EMULSIFIABLE LIQUID  
A SELECTIVE HERBICIDE FOR USE IN**

**TURF, ORNAMENTALS AND GROUND COVERS**

**ACTIVE INGREDIENT:** S-(O, O-diisopropyl phosphorodithioate) of N-(2-mercaptoethyl) benzenesulfonamide 46%  
**INERT INGREDIENTS:** 54%  
100%  
Contains 4 pound U.S. Patent Nos. **PROTECT FROM** Product crystallize or store at higher solve crystals and

**CAUTION** KEEP OUT OF REACH OF CHILDREN  
**HARMFUL IF SWALLOWED.** Avoid contact with the skin and clothing. Wash thoroughly after use. Avoid contamination of food and and fish ponds.

Do not use, pour, spill or store near heat or open flame.

A-2

Made in U.S.A. by  
**STAUFFER CHEMICAL COMPANY**  
WESTPORT, CT 06880

### Timing of Application — General Comments

(Continued from left panel)

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 "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.

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.

Consult weed specialists of the state agricultural extension service or the state agricultural experiment stations for additional information, as the timing of application will vary with local conditions.

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

**ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS:** Apply 3 3/8 gallons of BETASAN 4-E in 80 to 100 gallons of water uniformly on 1 acre (9.4 fluid ounces per 1,000 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 any stunting of turf grasses which may occur when re-seeding into BETASAN-treated areas:

1. Do not reseed within 4 months after application. 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.
2. When turf diseases or physiological disorders necessitate reseeded sooner than 4 months after BETASAN application, apply powdered activated charcoal prior

**ACCEPTED**

NOV - 7 1978

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 476-1817

RI  
W/  
W/  
IT

of 7 pounds  
per 1,000  
gallons of water

with sufficient  
water to wash  
away the char-

**DISPOSE OF  
AWAY FROM  
BY CRUSHING**

**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.

EPA Reg. No. 476-1817

EPA Est. 476-CA-1