

**PRODUCT INFORMATION**

BETASAN 4-E is recommended for use in home lawns, parks and golf courses, commercial plant and lawn care covers for control of annual, perennial grasses and other annual weeds listed.

**WEEDS CONTROLLED**

- Annual Bluegrass
- Barnyardgrass
- Deadnettle
- Fall Paspalum
- Foxtail
- Goosegrass
- Hairy Vetch
- Lamb's Quarters
- Redroot Pigweed
- Sheep Sorghum
- Smartweed

(NOTE: BETASAN 4-E will not control established weeds.)

**OBSERVE THE FOLLOWING USE PRECAUTIONS**

Read all label directions before using. BETASAN 4-E should be used only for the recommended uses and at the recommended rates. Do not use on lawns or ornamentals.

BETASAN 4-E is recommended for use on lawns. It is only for use on established lawns. Do not use on established ornamentals before treating with BETASAN 4-E.

Do not use on lawns or ornamentals. Do not use on established lawns with BETASAN 4-E. Do not use on ornamentals.

Do not use on lawns or ornamentals. Do not use on established lawns with BETASAN 4-E. Do not use on ornamentals.

**FISH CAUTIONS:** Do not use on lawns or ornamentals. Do not use on established lawns with BETASAN 4-E. Do not use on ornamentals.

**DIRECTIONS FOR APPLICATION**

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 weeds, 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                 | Fescue spp.        | Saint Augustine |
| Common Kentucky Bluegrass | Paspalum Baha      | Red Top         |
| Creeping Bentgrass        | Perennial Ryegrass | Zoysia          |

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

**ORNAMENTALS AND GROUND COVERS:** BETASAN 4-E may be applied only to the following well-established ornamentals and ground covers:

- |                 |            |             |
|-----------------|------------|-------------|
| Alyssum         | Coral Bell | Flax        |
| Water           | Daisy      | Sweet Pea   |
| Bachelor Button | Margold    | Wall Flower |
| Camellia        | Ornamental | Zinnia      |
| Chrysanthemum   |            |             |
| Day Lily        |            |             |
| Delphinium      |            |             |
| Geranium        |            |             |
| Hydrangea       |            |             |
| Jasmine         |            |             |
| Marigold        |            |             |
| Myrtle          |            |             |
| Ornamental      |            |             |
| Peony           |            |             |
| Primrose        |            |             |
| Rose            |            |             |
| Rosemary        |            |             |
| Sage            |            |             |
| Verbena         |            |             |



4X 1 GAL. NET

# Betasan<sup>®</sup> 4-E

**EMULSIFIABLE LIQUID  
A SELECTIVE HERBICIDE FOR USE IN  
TURF, ORNAMENTALS AND GROUND COVERS**

**ACTIVE INGREDIENT:**  
2,4-Dichlorophenoxyacetic acid, dimethylammonium salt 34  
**INERT INGREDIENTS:** 66

Contains 4 pounds Active Ingredient Per Gallon  
EPA Reg. No. 253-13298-01  
**PROTECT FROM TEMPERATURES BELOW 42 F**  
Do not crystallize at lower temperatures. Warm to liquid at higher temperatures. Do not store in cold weather and assure uniformity before use.

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

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

**STAUFFER CHEMICAL COMPANY**  
WESTPORT, CT 06880

**Timing of General**

Continued from page 14  
For control of annual bluegrass, fall, Sept. 15 to Oct. 15, and spring, April 15 to May 15. Apply BETASAN 4-E to lawns. For control of annual bluegrass, apply BETASAN 4-E to lawns. For control of annual bluegrass, apply BETASAN 4-E to lawns. For control of annual bluegrass, apply BETASAN 4-E to lawns.

**RATES OF APPLICATION**

**CRABGRASS:** 1/2 to 1 gallon per 1,000 sq. ft.  
**ANNUAL BLUEGRASS:** 1/2 to 1 gallon per 1,000 sq. ft.

ION  
emergence of  
from the soil  
e lawn sod. If  
late to apply  
debris before  
weeds present  
orked into the  
plied only to  
n the following  
Poa Trivialis  
Saint Augustine  
Red Top  
Zoysia  
plied to d  
ime thereafter  
BETASAN 4-E  
ell established  
tock  
weet Pea  
1/2" flowers  
inna  
lanunculu  
ulig  
yranthi  
andankwa  
tar Jasmine  
obita  
ylosma  
erwines  
edan  
ild Strauch  
Dr. ...



4X 1 GAL. NET

# Betasan<sup>®</sup> 4-E

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

**TURF, ORNAMENTALS AND GROUND COVERS**

**ACTIVE INGREDIENT:**

S-(2,4-dichlorophenyl)phthalic diethyl ester  
2.2 more active than 1.0 of the same material

**INERT INGREDIENTS:**

Contains 4 pounds Active Ingredient Per Gallon  
Patent Nos. 3,205,253, 3,298,819

**PROTECT FROM TEMPERATURES BELOW 42°F**  
Do not crystallize at lower temperatures. Warm  
to store at higher temperatures, and mix to re-dis-  
perse crystals and assure uniformity before use.

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

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

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 station for additional information as to the timing of application with local conditions.

BETASAN 4-E should be applied with spray equipment that will provide uniform application, such as a knapsack sprayer, hose-propelled or pressure sprayer.

Sprinkle with water to 1/2 to 1/4 inches after application to wash the BETASAN 4-E off the grass and draw into the soil where the weed seed are located.

**RATES OF APPLICATION**

**CRABGRASS:** Apply 1 1/2 gallons (15 pints) of BETASAN 4-E in 80 to 100 gallons of water uniformly on one acre to 6 fluid ounces per 1000 square feet.

**ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS:** Apply 1 1/2 gallons of BETASAN 4-E in 80 to 100 gallons of water uniformly on one acre to 6 fluid ounces per 1000 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 weeks after application. Re-seed the area to be reseeded by raking thoroughly to break the soil surface. Where practical, mix soil with the soil to provide an optimum seed bed.

When turf diseases or physiological disorders occur, re-seed no sooner than 4 months after BETASAN application. Apply a dried activated charcoal prior to reseed to deactivate the BETASAN.

Apply the activated charcoal at a rate of 7 pounds per 1000 square feet or 14 gallons of water per 1000 square feet. A 1000 square feet area of 600 gallons of water is required.

Follow with irrigation to moisten the turf. With sufficient water to wash the herbicide off the soil. Re-seed no sooner than 4 weeks after application.

**APPLY EQUIPMENT WITH WATERS AND DISPOSE OF EXCESSES PROPERLY. DO NOT POLLUTE ENVIRONMENT. WATER POLLUTION IS PROHIBITED BY FEDERAL AND STATE LAWS.**

**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. 176-1817 EPA Est. 47-4917

Betasan 4-E EPA Reg. No. 476-1817

**NEW REDUCED RATES  
FOR CRABGRASS CONTROL**

Disregard the rates given on the product label for crabgrass control and follow the instructions given below.

Apply  $1\frac{7}{8}$  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).

*March*  
Feb. 1970

D 000