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ACCEPTED

MAR 20 1959

740-46

A selective herbicide for the control of
crabgrass and certain broad leaved grasses in established:

- | | |
|-------------------------|----------------------|
| . Bluegrass (perennial) | . Bermuda grass |
| . Ryegrass (perennial) | . Centipedegrass |
| . Fescue | . St. Augustinegrass |
| . Bahiagrass | . Zoysiagrass |

ACTIVE INGREDIENT:

N-butyl-N-ethyl-a,a,a-trifluor-2,6-dinitro-p-toluidine . . . 2.5%

INERT INGREDIENT: (relative to herbicidal content) 97.5%

Contains 1 pound active ingredient per 40 pound bag

*BALAN is the trademark for benefin, Elanco Products Company,

A Division of Eli Lilly and Company

CAUTION - - - - 18 point type

KEEP OUT OF REACH OF CHILDREN - - - - 14 point type

Harmful if swallowed or absorbed through the skin. Avoid contact with
skin, eyes, or clothing. In case of contact, flush with water. Do
not contaminate feedstuffs or feeds.

Do not contaminate any body of water by direct application, cleaning
of equipment, or disposal of wastes. Do not let livestock graze
treated areas. Do not feed forage from treated areas to livestock.

Destroy bag when empty. Do not reuse.

Net Wt. 40 lb.

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DIRECTIONS
by Stephen F. Conrad
Lawn & Garden Counselor

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Dear Folks:

I recommend this package of ferti-lome PROFESSIONAL CRABGRASS CONTROL because it is effective and economical to use.

1. WHAT IS THIS PACKAGE FOR?

ferti-lome PROFESSIONAL CRABGRASS CONTROL is a pre-emergence herbicide which is applied directly to established turf for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass, goosegrass (silver crabgrass or crowfoot), watergrass (barnyardgrass) and yellow and green foxtail. ferti-lome PROFESSIONAL CRABGRASS CONTROL controls these annual weeds by killing their seeds as they germinate. Apply before these annual weed seeds begin to germinate since it does not control established weeds.

2. HOW DO YOU USE IT?

Apply ferti-lome PROFESSIONAL CRABGRASS CONTROL to turf before the germination of annual grass weeds. General times of application are discussed below for each type of weed. Precise time of application for a specific area will vary significantly because of climate and individual cultural practices. Consult local agricultural or turf authorities for any additional information regarding specific weed germination times in your area.

1. Crabgrass, goosegrass, watergrass and foxtail control:

- a. Northern (cool season) Turf Grasses: For pre-emergence seedling control apply 60 to 80 pounds (1.5 to 2 pounds active ingredient) of ferti-lome PROFESSIONAL CRABGRASS CONTROL per acre in the spring prior to annual weed grass germination.
- b. Southern (warm season) Turf Grasses: For pre-emergence seedling control apply 80 to 120 pounds (2 to 3 pounds active ingredient) of ferti-lome PROFESSIONAL CRABGRASS CONTROL per acre in the late winter or early spring prior to annual weed grass germination. In southern or western states where these annual weed grasses also germinate into late summer or early fall, a second application at the recommended rate may be made 4 to 6 months after initial treatment for continued weed control.

2. Annual bluegrass (*Poa annua*) control: In areas of heavy infestation of annual bluegrass (*Poa annua*) its elimination will temporarily result in thin turf areas. Proper fertilization and irrigation will encourage the existing turf grasses to fill in the thin areas formerly occupied by annual bluegrass (*Poa annua*).

- a. Northern (cool season) Turf Grasses: For pre-emergence seedling control apply 80 pounds (2 pounds active ingredient) per acre in later summer to early fall (mid-July to mid-October), or in early spring prior to annual bluegrass (*Poa annua*) germination.
- b. Southern (warm season) Turf Grasses: For pre-emergence seedling control apply 120 pounds (3 pounds active ingredient) per acre in the late summer to early fall prior to annual bluegrass (*Poa annua*) germination. Additional applications at the same rate can be made 4 to 6 months later in early spring, prior to soil warming and subsequent weed germination.

RESEEDING: Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying ferti-lone PROFESSIONAL CPABGRASS CONTROL. When reseeding, it is necessary that proper cultural practices such as irrigation and fertilization be maintained. To insure satisfactory reseeding results after using this product, the amount of seed used should be increased. When using at the higher rate to control annual bluegrass (*Poa annua*) and other annual grasses reseeding should be delayed 12 to 16 weeks after application.

SPREADER MODEL	ferti-lone SPREADER SETTINGS		
	POUNDS PER ACRE		
	60	80	120
Cyclone	2	3	3 1/2

Apply when grass leaves are dry. Water lightly after application. The settings for spreaders can only be taken as approximate. Our products have been thoroughly tested on new spreaders only. Age and condition of spreader, speed of pushing, roughness of lawn, all affect application. Operator should

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carefully observe rate of application at 10 to 15 lbs. per acre. Adjust rate of spreader setting if necessary.

Do not make too large an area of turfgrass at one application.

Apply in early morning or late afternoon. Do not apply if rain is expected within 24 hours. Do not apply if temperature is below 50° F. or above 90° F. Do not apply if wind is blowing from the direction of the turfgrass. Do not apply if turfgrass is dormant. Do not apply if turfgrass is under stress. Do not apply if turfgrass is under drought. Do not apply if turfgrass is under frost. Do not apply if turfgrass is under snow. Do not apply if turfgrass is under ice. Do not apply if turfgrass is under hail. Do not apply if turfgrass is under lightning. Do not apply if turfgrass is under thunder. Do not apply if turfgrass is under rain. Do not apply if turfgrass is under wind. Do not apply if turfgrass is under sun. Do not apply if turfgrass is under moon. Do not apply if turfgrass is under stars. Do not apply if turfgrass is under planets. Do not apply if turfgrass is under comets. Do not apply if turfgrass is under meteors. Do not apply if turfgrass is under asteroids. Do not apply if turfgrass is under meteoroids. Do not apply if turfgrass is under interplanetary dust. Do not apply if turfgrass is under cosmic rays. Do not apply if turfgrass is under solar wind. Do not apply if turfgrass is under solar flares. Do not apply if turfgrass is under solar storms. Do not apply if turfgrass is under solar eclipses. Do not apply if turfgrass is under lunar eclipses. Do not apply if turfgrass is under planetary eclipses. Do not apply if turfgrass is under stellar eclipses. Do not apply if turfgrass is under galactic eclipses. Do not apply if turfgrass is under cosmic eclipses. Do not apply if turfgrass is under universal eclipses. Do not apply if turfgrass is under omniversal eclipses. Do not apply if turfgrass is under everything.

3. HERE ARE THE RESULTS YOU MAY EXPECT!

ferti-lome PROFESSIONAL CRABGRASS CONTROL Used as directed controls crabgrass and certain annual weed grasses in the following established turfgrasses:

- | | |
|-------------------------|----------------------|
| . Bluegrass (perennial) | . Bermudagrass |
| . Ryegrass (perennial) | . Centipedegrass |
| . Fescue | . St. Augustinegrass |
| . Bahiagrass | . Zoysiagrass |

**Stephen F. Conrad is the name used by the ferti-lome people in publishing results of research and development work, conducted by the many specialists who have prepared the above directions.

the ferti-lome people

a division of

VOLUNTARY PURCHASING GROUPS, INC.
Bonham, Texas

NON-WARRANTY: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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