



29 LB. BAG TREATS
UP TO 6,600 SQ.FT. NORTHERN TURF
UP TO 5,000 SQ.FT. SOUTHERN TURF

B E N E F I N 7 8 P L U S
W I T H
1 5 - 5 - 1 0 F E R T I L I Z E R

ACCEPTED
NOV - 7 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 32802-26

A *BALAN PRE-EMERGENT HERBICIDE PRODUCT PLUS A 15-5-10 COMPLETE FERTILIZER

For Control of Crabgrass and most Other Annual Weedy Grasses as Listed
in Home Lawns, Parks, Golf Courses, Athletic Fields, Apartment Complexes
and Other Recreational and Ornamental Turf

For Use On Established
BLUEGRASS(Perennial)-RYEGRASS(Perennial)-FESCUE-BAHIAGRASS-BERMUDA GRASS
CENTIPEDE GRASS- ST. AUGUSTINE GRASS- ZOYSIA GRASS

To Control Crabgrass, Foxtail, Goosegrass(Silver Crabgrass), Watergrass
and Annual Bluegrass (Poa Annua)

*BALAN is a Reg. Trademark of the Elanco Products Company

ACTIVE INGREDIENT:

| | |
|--|---------|
| N-butyl N-ethyl, alpha, alpha, alpha, trifluoro-2,5-dinitro-p-toluidine | 0.78% |
| INERT INGREDIENTS: | 99.22% |
| TOTAL | 100.00% |

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED. Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
IF IN EYES: Flush eyes with plenty of water. Get medical attention.
IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
EPA REG. NO. 32802- EPA EST. NO. 32802*WI-1
32802-MO-1

NET WEIGHT 29 POUNDS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling and before eating or smoking. Do not contaminate feed or foodstuffs.

ENVIRONMENTAL HAZARDS

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

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. **HOUSEHOLD:** Do not re-use empty bag. Wrap and put in trash.

DIRECTIONS FOR USE (Cont.)

When applied according to directions this product can be used safely on the following "established" turfgrass varieties"

PERENNIAL BLUEGRASS VARIETIES, PERENNIAL RYEGRASS VARIETIES, BERMUDAGRASS, BAHIAGRASS, CENTIPEDEGRASS, FESCUE VARIETIES, ST. AUGUSTINE GRASS and ZOYSIAGRASS lawns and ornamental turf.

WEEDS CONTROLLED BY PRE-EMERGENT HERBICIDE ACTION

This product contains a pre-emergence herbicide plus a complete lawn food. It should be applied to established turf for the control of CRABGRASS (Smooth and Hairy), GOOSEGRASS (Silver Crab or Crowfoot), BARNYARDGRASS (Watergrass), FOXTAIL (Green and Yellow), and ANNUAL BLUEGRASS (Poa Annua)

AMOUNT OF NITROGEN APPLIED PER 1,000 SQUARE FEET

When properly applied it will control listed grassy weeds and will supply northern grasses with 0.88 to 1.17 lbs. nitrogen fertilizer / 1,000 Sq.Ft. & 1.17 to 1.77 lbs. nitrogen per 1,000 Sq.Ft. for Southern Lawns.

TIPS AND PRECAUTIONS TO OBSERVE BEFORE APPLYING: Apply to turf prior to the germination of weed seeds since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

- DO NOT: 1. Apply in the spring to Bermuda Grass which has been overseeded with winter grasses (rye) since thinning will occur.
- DO NOT: 2. Do not use on Dichondra, nor to "newly sprigged" areas of Bermudagrass, St. Augustine Grass or Centipede Grass, nor to Bentgrass since thinning will occur to new growth.
- DO NOT: 3. Apply in spring to Bluegrass planted the previous fall. This product may thin "Annual" Bluegrass and Fine-Leafed Fescue lawns when used at higher rates than 192 lbs. per acre. (1.5 lb.A.I./Acre) Do not overdose. Follow Directions.

DIRECTIONS FOR USE (Cont.)

APPROPRIATE TIMES TO APPLY THIS PRODUCT FOR CONTROL OF WEED SEEDS THAT GERMINATE DURING THE FOLLOWING PERIODS(See Application Chart)

(If Chart is used in label copy add) -----↑||↑↑-as above-↑||↑↑↑

NORTHERN LAWNS - FOR CRABGRASS, FOXTAIL, WATERGRASS

- Germinates - Mid March up to Mid May - - Apply March 1st to May 1st.
- FOR GOOSEGRASS - Germinates Mid-June through July.
- FOR POA ANNUA (Annual Bluegrass)
- Germinates - Mid August to October 1st.- - Apply Aug 1st to Sept.15th

SOUTHERN LAWNS - FOR CRABGRASS, FOXTAIL, WATERGRASS

- Germinates - February First to Mid April - - Apply Jan 15th to April 1st
- FOR GOOSEGRASS - Germinates May through June.
- FOR POA ANNUA (Annual Bluegrass)
- Germinates - October First thru December- Apply Sept. 15th to Dec. 1st.

APPLY THIS PRODUCT APPROXIMATELY 2 WEEKS AHEAD OF WEED SEED GERMINATION
 Complete all cultural practices, such as aerification before application.
 Best weed control will be obtained if area is lightly irrigated soon after treatment.

HOW MUCH TO USE ON NORTHERN AND SOUTHERN LAWNS

NORTHERN LAWNS (Cool Season Grasses) - For Crabgrass, Foxtail, Watergrass & Goosegrass apply 29 lbs. to treat and feed 6,600 Sq.Ft. where lawn is in a yearly lawn service program and weeds are sparse. Where weeds are heavy and over run the turfgrass apply to cover 5,000 Sq.Ft. of lawn. This is equal to a rate of 1.5 to 2.0 lbs. herbicide per acre respectively. For Poa Annua apply 29 lbs. to treat and feed 5,000 Sq.Ft. of lawn surface.

SOUTHERN LAWNS (Warm Season Grasses) - For Crabgrass, Foxtail, Watergrass & Goosegrass apply 29 lbs. to treat and feed 5,000 Sq.Ft. where turf is in a yearly lawn service program and weeds are sparse. Where weeds "thick" and overrun the lawn apply 29 lbs. to cover 3,330 Sq.Ft. of lawn. This is equal to 2.0 to 3.0 lbs. herbicide per acre respectively. For Poa Annua control apply 29 lbs. to treat and feed 3,330 Sq.Ft.

DELAY RESEEDING OF GRASS SEED ON TREATED AREAS

- Delay reseeding:- 6 weeks when applying at the rate of 1.5 lbs. Active per acre. (29 lbs. per 6,660 sq./ft.).
- 12 to 16 weeks when applied at rate of 1.90 lbs. Active per acre and above. (29 lbs. per 5,000 to 3,330 Sq.Ft.)
- When reseeding, increase amount of seed needed for area by 25%.

SPREADER SETTINGS

| Spreader | Northern Lawns | | Southern Lawns | |
|-------------|----------------|--------------|----------------|--------------|
| | 6,660 Sq.Ft. | 5,000 Sq.Ft. | 5,000 Sq.Ft. | 3,330 Sq.Ft. |
| SCOTT #35 | 4 1/2 | 5 | 5 | 7 |
| CYCLONE B-1 | 3 1/4 | 3 3/4 | 3 3/4 | 5 |

These are approximate settings. You must calibrate your own spreader since it may vary due to worn or damaged condition.

- 29 lbs. to treat 6,660 Sq.Ft.=192 lbs/acre or 1.50 lbs. Active /acre.
- 29 lbs. to treat 5,000 Sq.Ft.=255 lbs/acre or 2.00 lbs. Active /acre.
- 29 lbs. to treat 3,330 Sq.Ft.=385 lbs/care or 3.00 lbs. Active /acre.

GUARANTEED FERTILIZER ANALYSIS

| | | |
|----------------------------------|------|--|
| Total Nitrogen (N) | 15% | Primary Plant Food derived from Urea, Diammonium Phosphate, Muriate of Potash. Potential |
| Ammoniacal | 2.0 | |
| Urea Nitrogen | 13.0 | Acidity 618 lbs. Calcium Carbonate per ton. |
| Available Phosphoric Acid (P2O5) | 5% | |
| Soluble Potash (K2O) | 10% | |

PRODUCT NAME: BENEFIN 78 PLUS WITH 15-5-10 FERTILIZER

OPTIONAL LABELING.....

FOR OPTIMUM PRE-EMERGENCE WEED CONTROL APPLY AT THE APPROPRIATE TIME

| ----- APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE----- | | | | | | | | | | | |
|---|------|------------|------|--------------|------------|------------|--------------|-------|------|---------------|------|
| JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
| | | 1.//////// | | | 2.//////// | | | | | | |
| | | | | | | | 3.////////// | | | | |
| | | | | 4.////////// | | 5.//////// | | | | | |
| | | | | | | | | | | *6.////////// | |

- 1. For Crabgrass etc. Northern Turf.
- 2. For Goosegrass in Northern Turf.
- 3. For Poa Annua in Northern Turf.
- 4. For Crabgrass etc. Southern Turf.
- 5. For Goosegrass in Southern Turf.
- 6. For Poa Annua in Southern Turf.

*Two application spaced 8 to 10 weeks apart may be needed for season long control.