

ValAgra
PROFESSIONAL TURF PRODUCTS

ACCEPTED

MAR 29 1986

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 53617-3

50 LB. BAG TREATS
****NORTHERN LAWNS****
12,500 TO 16,500 SQ.FT.
****SOUTHERN LAWNS****
8,500 TO 12,500 SQ.FT.

CRABGRASS CONTROL + 20-4-6 FERTILIZER

Contains

The Newest Combination of Pre-Emergence Herbicides For Crabgrass Control

Contains TEAM® Herbicide A Registered™ of Elanco Products, Inc.

Combines BALAN® + TREFLAN® with a 20-4-6 Balanced Lawn Food
Balan® & Treflan® are Registered™ of Elanco Products Company

For Control of Crabgrass and Most Other Annual Weedy Grasses
In Home Lawns, Golf Courses, Parks and Other Recreational & Ornamental Turf.

MAY BE USED ON THE FOLLOWING ESTABLISHED TURFGRASS VARIETIES

Bluegrass(Perennial) - Ryegrass(Perennial) - Fescue -
Bahagrass - Bermudagrass - Centipedegrass - St. Augustinegrass - Zoysiagrass

ACTIVE INGREDIENTS:

| | |
|---|---------|
| N-butyl-N-ethyl-alpha, alpha, alpha, trifluoro-2,6-dinitro-p-toluidine | 0.77% |
| TRIFLURALIN; Alpha, alpha, alpha, trifluoro- 2,6-dinitro-N,N-dipropyl-p-toluidine. | 0.38% |
| INERT INGREDIENTS: | 98.85% |
| Total | 100.00% |

KEEP OUT OF REACH OF CHILDREN

W A R N I N G

STATEMENTS OF PRACTICAL TREATMENTS

- IF IN EYES: Hold eyelids open and flush with a steady, gently stream of water for 15 minutes. Call a physician.
- IF SWALLOWED: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol.
- IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF INHALED: If breathing difficulty occurs, move individual to fresh air and get medical attention. Apply artificial respiration.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 53617-G

EPA EST. NO. 53617-CT-1

NET WEIGHT 50 POUNDS (25 LB. BAG)

ValAgra, Inc.
EAST HARTFORD, CT 06108

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin or clothing. The granular formulation may cause skin sensitization reactions in certain individuals. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

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 its 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.

WHERE TO APPLY

When applied according to Directions this product can be used safely on the following varieties of turfgrass: PERENNIAL BLUEGRASS, PERENNIAL RYEGRASS, BERMUDAGRASS, BAHIAGRASS, CENTIPEDEGRASS, FESCUE, ST. AUGUSTINE GRASS & ZOYSIAGRASS and will not harm most nearby ornamental trees and shrubs when used as directed.

WEEDS CONTROLLED

This product contains BALAN* and TREFLAN* pre-emergence Herbicides plus a 20-4-6 Turf Food. Will control the following weeds in established turf: ANNUAL BLUEGRASS (Poa Annu), BARNYARDGRASS (Watergrass), CRABGRASS (Smooth and Hairy), FOXTAIL (Green and Yellow), GOOSEGRASS (Silver Crab or Crowfoot), and provides a complete lawn fertilization at the same time.

RATE OF FERTILIZER APPLICATION

- 50 POUNDS PER 16,500 SQ.FT. = 0.60 LBS. (N) NITROGEN/1,000 SQ.FT.
- 50 POUNDS PER 12,500 SQ.FT. = 0.80 LBS. (N) NITROGEN/1,000 SQ.FT.
- 50 POUNDS PER 8,500 SQ.FT. = 1.17 LBS. (N) NITROGEN/1,000 SQ.FT.

WHEN TO APPLY

Must be applied to turf prior to weed seed germination since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

IMPORTANT

DO NOT use on Dichondra, Bentgrass of Putting Greens, nor to newly sprigged areas of Bermudagrass, St. Augustine Grass or Centipede Grass, until these turfs are well established. DO NOT apply in spring to Turfgrass planted the previous fall nor to Bermuda grass which has been overseeded with winter grasses (such as annual rye) since thinning will occur. This product may thin established Annual Bluegrass (Poa Annu) lawns & Fine-Leafed Fescue lawns when used at higher rates than 174 lbs. per acre (equiv. to 2.0 lb. Active Herbicide Ingredients per Acre) Do not overdose.

*Registered Trade Marks of Elanco Products Company Inc.

WHEN TO APPLY

Successful pre-emergence control of the annual grass weeds on this label requires proper timing of application. This product must be applied one to two weeks prior to the germination of annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grassy weeds listed on this label, weed control results may be erratic or poor.

WATER THE LAWN AFTER APPLICATION: It is not necessary but optimum weed control performance will be obtained if treated areas are irrigated with 1/4 to 1/2 inch water soon after application. Any cultural practices that disturb the soil such as verticutting, should be done prior to application of this product.

"SPRING GERMINATING" SUMMER ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS:

A. Northern Cool Season Grasses - For pre-emergence control, apply 130 TO 174 lbs. per acre, (equal to 1.5 to 2.00 lbs. Act. Ingrid./acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination.

50 lbs. will "Weed & Feed" 12,500 Sq Ft. to 16,500 Sq.Ft.

Use for 12,500 Sq.FT. where weeds completely over run the turf. Use for 16,500 Sq.Ft. when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.

B. Southern warm season turfgrass - For pre-emergence control apply 174 to 261 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre), in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination.

50 lbs. will "Weed and Feed" 8,500 to 12,500 Sq.Ft.

Use for 8,500 Sq.Ft. where turf is completely overrun by weeds. Use for 12,500 Sq.Ft. when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

"LATE SPRING, EARLY SUMMER GERMINATING" ANNUAL GRASSES: GOOSEGRASS (SILVER CRAB)
Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than the crabgrass, foxtails and other summer annual grass species. Applications of this product should therefore, be timed accordingly.

A. Northern cool season turfgrasses - For pre-emergence control apply 174 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination period of goosegrass.

50 lbs. will "Weed and Feed" 12,000 Sq.Ft.

B. Southern warm season turfgrasses - For pre-emergence control, apply 174 to 261 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks, prior to the expected germination of goosegrass. 50 lbs. will "Weed and Feed" 8,500 to 12,500 Sq.Ft. Use for 8,500 Sq.Ft. where turf is completely overrun by weeds. Use for 12,500 Sq. Ft. when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.

FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES:

In areas of the United States where pre-emergence control of both early germinating annual grasses (Crabgrass, Foxtails, and Barnyardgrass) and the later germinating Goosegrass is desired, two application of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL

In area of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.

A. Northern cool season turfgrasses - For pre-emergence control apply 174 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product per acre in late summer or early fall and again in late winter or spring one to two weeks prior to expected germination of annual bluegrass. 50 lbs. treats 12,500 Sq.Ft. of turfgrass area.

B. Southern warm season turfgrasses - For pre-emergence control apply 261 lbs. per acre (equal to 3 lbs. Active Ingredient per acre) of this product per acre in the later summer or early fall one to two weeks prior to expected germination of annual bluegrass. In southern areas of the United States where germination of annual bluegrass continues for extended periods of time a second application at 261 lbs. per acre can be made 10 to 12 weeks after the initial treatment. 50 lbs. treats 8,500 Sq.Ft. of Turfgrass area.

- RESEEDING TREATED AREAS:
1. Delay reseeding - 6 weeks when applying at the rate of 130 or 174 lbs. of product per acre (equal to 1.5 to 2.0 lbs. Active Ingredient per acre. or 50 lbs. to treat 12,500 or 16,500 Sq.Ft.)
 2. Delay reseeding - 12 to 16 weeks when applying at the rate of 261 lbs. of product per acre (equal to 3.0 lbs. of Active Ingredient per acre or 50 lbs. to treat 8,500 Sq.Ft.)
- WHEN RESEEDING - INCREASE THE RECOMMENDED AMOUNT OF SEED BY 25%.

The following spreader settings are for use with new equipment. Your spreader may need calibrating since proper application is based on the spreader's condition with regard to age and use, your walking speed and the unevenness of the terrain. Poor weed control will result from uneven or improper application.

SPREADER SETTINGS

| Spreader | 50# BAG PER SQ.FT | Northern Lawns | | Southern Lawns | |
|----------------|----------------------|----------------|-----------|----------------|-----------|
| | | Crabgrass etc | Poa Annua | Crabgrass etc | Poa Annua |
| SCOTT #35 | 16,500 " | 3 | 4 1/2 | - | - |
| | 12,500 " | 4 | 5 1/2 | 4 | 5 1/2 |
| | 8,500 " | - | - | 5 1/2 | 6 |
| CYCLONE B-1 | 16,500 SQFT | 2 | 3 | - | - |
| | 12,500 " | 3 | 4 | 3 | 4 |
| | 8,500 " | - | - | 4 | 4 1/2 |

50 LBS. TO TREAT 16,500 SQ.FT. = 130 LBS. PER ACRE = 1.50 LBS. A.I./ACRE
 50 LBS. TO TREAT 12,500 SQ.FT. = 174 LBS. PER ACRE = 2.00 LBS. A.I./ACRE
 50 LBS. TO TREAT 8,500 SQ.FT. = 261 LBS. PER ACRE = 3.00 LBS. A.I./ACRE

GUARANTEED FERTILIZER ANALYSIS

| | | |
|----------------------------------|-------|-----------------------------------|
| Nitrogen | 20% | Primary Plant Food derived from |
| Ammoniacal (N) | 1.0% | Urea, Sulfur Coated Urea, Muriate |
| Urea (N) | 14.0% | of Potash, Ammoniated Phosphate |
| Sulfur Coated Urea (N) | 5.0% | |
| Phosphoric Acid (P2O5) | 4% | Potential Acidity 820 lbs. |
| Soluble Potash | 6% | Calcium Carbonate per ton. |

NOTICE: Buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

\$158.120 PRODUCT CHEMISTRY (cont.)

62-2 CERTIFICATION OF INGREDIENT LIMITS;

Our company quality control records indicate that the finished product may vary between 1.15% and 1.18% in Active Ingredient content of the total herbicide mix. To allow for analytical and observed variations in the manufacturing process our certified limits of both A.I. and I.I. are as follows. Based on quantitative and analytical basis.

| | Lower Limit | Upper Limit |
|---------------------------------------|-------------|-------------|
| ACTIVE INGREDIENT: Benefin TGAI | 0.770% | 0.799% |
| Trifluralin E.C. | 0.380% | 0.387% |
| INERTS: from Benefin TGAI 93% | 0.061% | 0.090% |
| from Treflan E.C. [Solv + Emulsifier] | 0.483% | 0.490% |
| Urea Fertilizer | 30.900% | 31.000% |
| Sulfur Coated Urea | 13.550% | 13.600% |
| Monoammonium Phosphate | 7.750% | 7.800% |
| Muriate of Potash | 9.900% | 9.950% |
| Calcium Carbonate 5-10 Mesh | 36.150% | 36.250% |

62-3 ANALYTICAL METHOD FOR ENFORCEMENT: Furnished by Elanco Products Co dated 3/17/86 as outlined in Product Chemistry Accession Number 257785. ALSO....AOAC 14TH EDITION 6.231-6.237

63-2 COLOR: Typical Benefin or Treflan Bright Yellow colored Granules.

63-3 PHYSICAL STATE: Granules

63-4 ODOR: Aromatic Solvent type odor.

63-7 DENSITY: 48 to 52 lbs. per Cu.Ft. [S.G. 0.7688 to 0.8329

63-12 pH: N/A (Dry Granule Product)

63-14: OXIDIZING OR REDUCING: N/A None

63-15: FLAMMABILITY: FLASH POINT - N/A Granule Product
FLAME EXTENSION - N/A Granule Product Not pressurized

63-16: EXPLODABILITY: Contains no explosive ingredients.

63-17: STORAGE STABILITY: Furnished by Elanco Products Company in Letter of Authorization Dated March 17, 1986.....
Accession Number 257785 indicated on Data Matrix page 2 of 3

63-18: VISCOSITY: N/A for a granule product

63-19: MISCIBILITY: N/A for a granule product.

63-20: CORROSION CHARACTERISTICS: N/A Non-corrosive

63-21: DIELECTRIC BREAKDOWN: Not recommended in this manner.