

BEST AVAILABLE COPY

BALAN 2.5G

A Selective Pre-Emergence Herbicide for the control of Crabgrass and most other Annual Weed Grasses on Established Home Lawns, Golf Courses, Ornamental and Recreational Bluegrass-Ryegrass-Fescue-Bahiagrass-Bermuda Grass - Centipede Grass - St. Augustine Grass-Zoysia Grass

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

FOR NORTHERN and SOUTHERN LAWNS; 2 POUNDS COVERS UP TO 15,000 SQ.FT.



ACTIVE INGREDIENT
N-butyln-ethyl-alpha-styrene-alpha-trifluoro-2,6-dinitro-p-toluidine 2.5%
INERT INGREDIENTS 97.5%
TOTAL 100.0%

BALAN is a Reg. Trademark of DowElanco
KEEP OUT OF REACH OF CHILDREN!
CAUTION

Balan
2.5G

EPA Reg. No. 8376 EPA Est. No. 8378-1N-1

Contains 1 lb. Active Ingredient 40 lb. bag

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 sleeping person. **IF IN EYES** Flush eyes with plenty of water. Get medical attention. **IF ON SKIN** Remove contaminated clothing. Wash affected areas with soap and water. **IF INHALED** If discomfort occurs, remove to fresh air. Get medical attention if breathing difficulty occurs.

See Side/Back Panel for Additional Precautionary Statements

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin or eyes. Use eye protection and protective clothing such as coveralls, long-sleeved shirt, and impermeable gloves when handling this product. Wash thoroughly after handling and before eating or smoking. Do not contaminate feed or foodstuffs.

ENVIRONMENTAL HAZARDS

Do not contaminate water by direct application or when disposing of equipment washwaters.

DIRECTIONS FOR USE

This 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 reuse empty bag. Wrap and put in trash.

PRECAUTIONS IN APPLYING

Apply BALAN 2.5G to the turf prior to germination of weed grasses since it will not control established weeds. It may also thin established Annual bluegrass (Poa annua) and fine leaf fescues at rates above 60 pounds per acre (15 lbs. A). Do not apply in the spring to turf grass planted the previous fall. In Bermuda grass areas that have been overseeded with winter grasses, spring application may thin the overseeded grasses. Because of varying cultural practices do not apply to putting greens. Do not apply to Dichondra. Do not apply to newly sprigged areas of Bermuda grass, St. Augustine grass or Centipede grass until they are well established.

WEEDS CONTROLLED

This product is a preemergence herbicide which is applied to established turfgrasses for the control of undesirable Annual Bluegrass (Poa annua), Smooth and hairy Crabgrass, Goosegrass (Silver crabgrass and Crowfoot), Barnyardgrass (Watergrass), and Green and Yellow Foxtail. It controls these annual weeds by killing their seeds as they germinate.

WHEN AND HOW TO APPLY

Successful preemergence control of annual grass weeds listed on this label depends on proper timing of the application. Apply Balan 2.5G one to two weeks prior to the germination of annual grass weed seeds. All summer annual grasses do not germinate at the same time. For this reason if the application does not coincide with the normal germination, weed control may be erratic. Control results will be enhanced by irrigation (or rainfall) which may be applied soon after application. Any cultural practices which disturb the soil surface, such as aeration or verticuting, should be performed prior to application.

1. SPRING GERMINATING SUMMER ANNUAL GRASSES, CRABGRASS, FOXTAILS AND BARNYARDGRASS

A. Northern (Cool Season) Turfgrasses

Apply 60 to 80 pounds per acre in the spring one to two weeks prior to the onset of conditions favorable for annual weed grass germination.

B. Southern (warm season) Turfgrasses

Apply 60 to 120 pounds per acre in late winter or early spring one to two weeks prior to weed seed germination.

In areas of the U. S. where germination of the annual weed grasses continues for extended periods of time, a second application at the recommended rate may be made 8 to 10 weeks after the first application.

2. LATE SPRING, EARLY SUMMER GERMINATING ANNUAL GRASSES - GOOSEGRASS

Although classified as a summer annual grass, Goosegrass normally germinates 4 to 5 weeks later than crabgrass, foxtail and other summer annual grasses, therefore applications should be timed accordingly as follows:

A. Northern (Cool Season) Turfgrasses

Apply 60 pounds per acre in the late spring or early summer one to two weeks prior to the expected germination of Goosegrass.

B. Southern (warm season) Turfgrasses

Apply 60 to 120 pounds per acre in late spring or early summer one to two weeks prior to expected germination of Goosegrass.

NOTE: Balan will not harm most desirable ornamental trees and shrubs. When this product is applied as directed the following established turfgrasses are tolerant: BAHIA GRASS, BERMUDA GRASS, CENTIPED GRASS, FESCUE VARIETIES, PERENNIAL KENTUCKY BLUEGRASS VARIETIES, PERENNIAL RYEGRASS VARIETIES, ST. AUGUSTINE GRASS, SPARTAN and ZOYSIA GRASS.

3. NORTHERN AND SOUTHERN TURF GRASSES

In areas of the U. S. where preemergence control of both early germinating annual grasses and later germinating grasses is desired, two applications at the recommended rate spaced 8 to 10 weeks apart may be made to effect maximum control of these annual grass species.

4. CONTROL OF POA ANNUA (Annual Bluegrass)

In areas of heavy infestation of "poa" its elimination will temporarily result in turfgrass areas. Proper fertilization, irrigation and soil incorporated retreating will encourage existing desirable turfgrass and newly planted seedling turfgrasses to fill in these thin areas previously occupied by the poa.

A. Northern (cool season) Turfgrasses

Apply 80 pounds per acre in the late summer or early fall and again in late winter or early spring one to two weeks prior to germination of poa.

B. Southern (warm season) Turfgrasses

Apply 120 pounds per acre in late summer or early fall one to two weeks prior to expected germination of annual bluegrass.

In southern areas of the U. S. where germination of the annual bluegrass continues for extended periods of time, a second application at 120 lbs. per acre can be made 10 to 12 weeks after the first application.

AMOUNTS FOR SMALLER AREAS

60 Pounds/Acre Rate	=	1 1/2 Pounds	per 1,100 Sq Ft.
80 Pounds/Acre Rate	=	2 Pounds	per 1,100 Sq Ft.
120 Pounds/Acre Rate	=	3 Pounds	per 1,100 Sq Ft.

RESEEDING TREATED AREAS

Operations that effectively control annual weed seeds may also affect the desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying this product. Employ proper cultural practices to encourage the germination of desirable grass seeds and seedlings; also increase the amount of grass seed per 1,000 sq ft. When using this product at the turf estate rate, reseed should be delayed 12 to 16 weeks.

HOW TO APPLY

A splash board under drop type spreaders may give more even distribution. To minimize skipped areas utilize some type of marker on your spreader to make sure that each "pass" is next to the last applied swath or observe the yellow granules to fill each swath together. When using tractor mounted application equipment apply in early morning when wind is calm and wheel marks are easy to follow. See diagrams below.

SPREADER SETTINGS

Spreader Make	Setting for application per Acre		
	60 lbs.	80 lbs.	120 lbs.
CYCLONE B-1, 33, 98	2 1/2	3 3/4	3
SCOTT ROTARY R-8	G	3 1/2	H
DROP SPREADERS	3 3/8	3 5/8	4 1/4
GANDY 10A ST. RICS (R. 6, 10, 11, 12, 20, 30)	24	27 1/2	33 1/2

Since no two spreaders are alike these settings are provided as starting points in calibrating your spreader. It is important that you do so for the performance of this product is based on the exact recommended amount per acre of turf grass is applied, poor control will result. Do not over apply.

APPLICATION EQUIPMENT

Apply this product evenly over the area without skips or misses. For small areas a more uniform application may be made by spreading half the amount over the area and then applying the remaining half at right angles. Make sure your spreader is properly calibrated; check frequently to make sure equipment is distributing the granules precisely. Treat small areas with hand spreaders while tractor mounted equipment is best suited for large areas; apply in the early morning when wheel marks will guide your applications. Yellow granules serve as a marker to avoid overlapping. Ask your dealer for various types of marking equipment.



NOTICE: Buyer assumes all risk and liability of use, storage and/or handling of this material in accordance with the terms of this label (06-01-81)

NET WEIGHT 20 [40] POUNDS

Knox Fertilizer Company Inc.

P.O. Box 248 - Knox, IN 46534

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MAY 13 1992
U.S. Environmental Protection Agency
Office of Research and Development
Washington, D.C. 20460
EPA Reg. No. 300

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