

Treats Lawns and Golf Courses  
**ROCKLAND CHEMICAL CO., INC.**  
P. O. BOX 809  
WEST CALDWELL, N. J. 07007-0809

REG. U.S. PAT. & TM. OFF.  
EPA REG. NO. 106-106-01  
EPA EST. NO. 106-106-01  
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Net Weight 10.6 lbs.

Pm 25 572-275

A selective pre-emergence herbicide for the control of crabgrass and most other annual weed grasses on lawns and golf courses in established Bahiagrass, Bermudagrass, Bluegrass (perennial), Centipedegrass, Fescue, Ryegrass (perennial), St. Augustinegrass and Zoysia-grass.

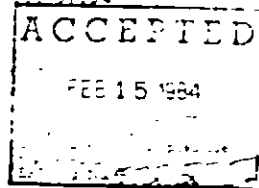
This product controls Annual Bluegrass (Poa annua), Smooth and hairy Crabgrass, Goosegrass (Silver Crabgrass or Crowfoot), Barnyardgrass, Watergrass, and Green and Yellow Foxtail by killing their seeds as they germinate. Successful pre-emergence control of these annual grass weeds requires proper timing of application. This product will not harm most nearby established ornamental trees and shrubs.

**ACTIVE INGREDIENT**

N-butyl N-ethylmalea,a-trifluoro-N-methyl-sphthalimide 2.5%

**INERT INGREDIENTS**

\*BALAN—the registered trademark for the active ingredient.



**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. In case of contact, flush with water. Wash thoroughly with soap and water after use. Do not feed persons who are treated breast milk.

**ENVIRONMENTAL HAZARDS:** Do not contaminate water, food, or feed by storage or disposal. Clean up all equipment and spillage immediately.

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

Apply approximately one to two weeks prior to the germination of annual grass weeds. All per annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of one of the annual grass weeds listed on this label, weed control results may be erratic. Optimum weed control performance will be obtained if treated areas are irrigated or watered after application. Any cultural practices that disturb the soil, such as aerification or verticillium, should be done prior to application of Balan.

**SPRING GERMINATING SUMMER ANNUAL GRASSES - POA ANNUA, P. SETOSUM AND BARNYARDGRASS**

Northern warm season grasses: Apply pre-emergence herbicide at a rate of 1.5 to 2 lbs. active ingredient per acre in the spring, 4 to 6 weeks prior to the onset of conditions favorable to annual weed grass germination.

Southern warm season grasses: Apply pre-emergence herbicide at a rate of 1.5 to 3 lbs. active ingredient per acre in the late spring or early spring, 2 to 3 weeks prior to the onset of conditions favorable to annual weed grass seed germination.

In areas of the United States where germination of these annual weed grass species continues for extended periods, 2 to 3 applications at the recommended rate may be made 8 to 10 weeks after initial treatment for optimum control.

**LATE SPRING/EARLY SUMMER GERMINATING ANNUAL GRASSES**

Although classified as a pre-emergence herbicide, application should be made 4 to 6 weeks later than grasses that germinate in the spring. Applications should be made accordingly.

Northern warm season grasses: Apply pre-emergence herbicide at a rate of 1.5 to 2 lbs. active ingredient per acre in the late spring or early summer, 4 to 6 weeks prior to the expected germination of grasses.

Southern warm season grasses: Apply pre-emergence herbicide at a rate of 1.5 to 3 lbs. active ingredient per acre in the late spring or early summer, 4 to 6 weeks prior to the expected germination of grasses.

**NORTHERN AND SOUTHERN CRYPPGRASS**

In areas of the United States where germination of these annual weed grass species continues for extended periods, 2 to 3 applications at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of annual weeds.

See label for full details.

**ROCKLAN**  
**BALAN**  
CRABGRASS PREVENTER

**POA ANNUA (ANNUAL BLUEGRASS)**

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

Northern (cool season) turfgrasses: For pre-emergence control, apply 7 lbs. (2 lbs. active ingredient) per acre in late summer or early fall and again in late winter or early spring 1 to 2 weeks prior to the expected germination of annual bluegrass.

Southern (warm season) turfgrasses: For pre-emergence control, apply 120 lbs. (3 lbs. active ingredient) per acre in the late summer or early fall 1 to 2 weeks prior to the 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 120 lbs. per acre can be made 10 to 12 weeks after the initial treatment. For application to smaller areas, apply the following amounts of this product:

PRODUCT PER ACRE	PRODUCT PER 1,000 SQ. FT.
60 lbs.	1 1/2 lbs.
80 lbs.	2 lbs.
120 lbs.	3 lbs.

**PROCEDURE**

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 Balan. When reseeding, it is essential that proper cultural practices, such as soil cultivation, irrigation and fertilization, be followed. For satisfactory reseeding results after using Balan the amount of seed used should be increased and equipment designed to place seed in contact with the soil (such as the Rogers Aero Seeder) should be employed. When using this product at the highest recommended rate, reseeding should be delayed 12 to 16 weeks after application.

**APPLICATION EQUIPMENT**

Apply this product evenly over the turfgrass area without skips or misses. A more uniform application can be made by spreading half the required amount over the area and then applying the remaining half at right angles to the drop type and rotary type spreader. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. For best results use equipment designed to apply granular herbicides and insecticides. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

**SUGGESTED SPREADER SETTINGS**

Spreader	Speed	Coverage Width	To Apply Pounds per acre		
			60 Lbs.	80 Lbs.	120 Lbs.
Scotts Rotary	3 MPH	6 ft.	A	A 1/2	B
Scotts Drop	3 MPH		2	2 1/4	2 1/2
Cyclone	3 MPH	6 ft.	2 1/2	NR	2 3/4
Lely	5 MPH	39 ft.	2 1/2	3	3 1/2

Balan may also be used to control annual weeds in annual turfs and inter-leaved turves at rates of 10 to 15 lbs. per acre. Do not use this product in areas where Balan should not be applied in the future to turfgrass plants. Do not use in turfgrass areas that have been overseeded with winter grasses. Do not use in areas where the turfgrass is dormant. Because of varying cultural practices, this product may be used on bermudagrass, but should not be used on dichondra nor be applied to areas where there is bermudagrass, St. Augustinegrass or centipedegrass.

**DISPOSAL OF CONTAINERS**

Do not contaminate water, food, or feed by storage or 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, burn. If burned, stay out of smoke.

**WARRANTY:** Seller takes no warranty for use of this product other than indicated on the label. Seller will not be liable for use and handling of this material when such use and handling are in violation of label instructions.

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#275-1

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