

# AGWAY BALAN® GRANULAR (2.5%)

## F PROFESSIONAL USE

A selective pre-emergence herbicide for the control of crabgrass and most other annual weed grasses on lawns and golf courses in established:

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

### ACTIVE INGREDIENT:

N-butyl-N-ethyl-2,4,6-trifluoro-2,6-dinitro-p-toluidine ..... 2.5%

INERT INGREDIENTS: ..... 97.5%

TOTAL ..... 100.0%

Contains 1 pound active ingredient per 40 pound bag

Balan® the registered trademark for Elanco Products Company benefits.

**CAUTION: KEEP OUT OF REACH OF CHILDREN.**  
See additional precautionary statements.

### PRECAUTIONARY STATEMENTS:

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS.

**CAUTION:** 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 foodstuffs or feeds.

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

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

**DIRECTIONS FOR USE:** It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Read All Directions Carefully before applying.

Balan® Granular (2.5%) is a pre-emergence herbicide which is applied 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.

Balan Granular (2.5%) controls these annual weeds by killing their seeds as they germinate. Apply Balan before annual weeds begin to germinate since it does not control established weeds.

When Balan is applied as directed, the following established turfgrasses are tolerant: perennial bluegrasses, perennial ryegrass, centipedegrass, fescue, zoysiagrass, bermudagrass, St. Augustinegrass and bahiagrass. Balan will not harm most nearby established ornamental trees and shrubs.

**APPLICATION DIRECTIONS AND RATES:** Apply Balan Granular (2.5%) 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 because of climate and individual cultural practices. Consult local agricultural or turf authorities for additional information regarding specific weed germination times in your area.

Any cultural practices that disturb the soil such as aerification or verticutting, should be done prior to applying Balan.

1. 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 turfgrasses to fill in these thin areas formerly occupied by annual bluegrass (*Poa annua*).
  - a. Northern (cool season) Turf Grasses: For pre-emergence control apply 80 pounds (2 pounds active ingredient) of Balan Granular (2.5%) per acre in late summer to early fall (mid-July to mid-September) or in early spring prior to annual bluegrass (*Poa annua*) seed germination.
  - b. Southern (warm season) Turf Grasses: For pre-emergence control apply 120 pounds (3 pounds active ingredient) of Balan Granular (2.5%) per acre in the late summer to early fall prior to annual bluegrass (*Poa annua*) seed germination. An additional application at the same rate can be made

4 to 6 months later in early spring, prior to soil warming and subsequent weed seed germination (See precautions for winter overseeded areas.)

### 2. Crabgrass, goosegrass, watergrass and foxtail control

a. Northern (cool season) Turf Grasses: For pre-emergence control apply 80 to 120 pounds (1.5 to 2 lbs. active ingredient) of Balan Granular (2.5%) per acre in the spring 2 to 4 weeks prior to expected annual weed grass seed germination.

b. Southern (warm season) Turf Grasses: For pre-emergence control apply 80 to 120 pounds (2 to 3 lbs. active ingredient) of Balan Granular (2.5%) per acre in the late winter or early spring prior to annual weed grass seed germination. In southern or western states where annual weed grasses also germinate into late summer or early fall, a second application of Balan Granular (2.5%) at the recommended rate may be made 4 to 6 months after initial treatment for continued weed control.

For application to smaller areas apply the following amounts of Balan Granular (2.5%):

Balan per acre	Balan per 1,000 sq. ft.
60 lbs.	1 1/2 lbs.
80 lbs.	2 lbs.
120 lbs.	3 lbs.

**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 Balan. When reseeding, it is necessary that proper cultural practices such as irrigation and fertilization be maintained. 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 should be employed. When using Balan at the higher rate to control annual bluegrass (*Poa annua*) and other annual grasses reseeding should be delayed 12 to 16 weeks after application.

**APPLICATION EQUIPMENT:** Apply Balan Granular (2.5%) evenly over the turf area without skips or misses. A more uniform application can be made by spreading half the required amount of Balan Granular (2.5%) over the area, and then applying the remaining half at right angles or crosswise. Both drop-type and rotary-type spreaders may be used to apply Balan Granular (2.5%). 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.

Listed below are approximate spreader settings. These should serve only as initial starting points for calibration since all spreaders will vary in their operation depending on the age, condition, particular model and speed of operation. Always calibrate your own spreader according to the manufacturer's recommendations.

Approximate Spreader Settings - As a Guide for Calibration (for applying Balan in one pass over the turf) To Apply Pounds Per Acre

Spreader Type	60 lbs.	80 lbs.	120 lbs.
Cyclone: Models B, B9, 99 & 100	3.25	3.75	4.0
Models M-3, M-1, and M-1A (based on tractor speed of 4 mph)	6.5	7.25	8.75
Models S-1 and S-3 (based on tractor speed of 4 mph & PTO speed of 540 rpm)	6.25	7.0	8.25

**PRECAUTIONS:** Apply Balan Granular (2.5%) to the turf prior to the germination of weed grasses, since Balan will not control established weeds. Balan Granular (2.5%) may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 60 pounds per acre (1.5 lbs. active ingredient). Balan Granular should not be applied in the spring to turfgrasses planted the previous fall. In bermudagrass areas that have been overseeded with winter grasses, a spring application of Balan may thin the overseeded grasses. Because of varying cultural practices Balan Granular (2.5%) should not be used on putting greens. Balan Granular (2.5%) should not be used on dichondra. Balan Granular (2.5%) should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass or centipedegrass until these turfs are well established.

**NOTE:** This product is to be sold ONLY in this original unbroken package.

**DISCLAIMER:** Buyer assumes all risks of use, storage or handling not in strict accordance with directions given herewith.

EPA Reg. No. 8590-483

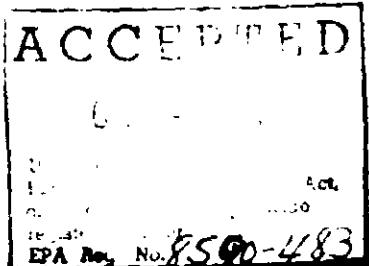
EPA Est. No. 8590-PA 1

**AGWAY INC. — CHEMICAL DIVISION**  
BOX 4933, SYRACUSE, NY 13221

**NET CONTENTS: 40 LBS.**

**ACCEPTED**  
 OCT - 9 1979  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. 8590-483

# AGWAY BALAN GRANULAR (2.5%) F PROFESSIONAL USE



Crabgrass and most other annual weed grasses on

St. Augustinegrass  
Zoysiagrass

2.5%  
97.5%  
100.0%

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4 to 6 months later in early spring, prior to soil warming and subsequent weed seed germination. (See precautions for winter overseeded areas.)

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a. Northern (cool season) Turf Grasses. For pre-emergence control apply 60 to 80 pounds (1.5 to 2 lbs active ingredient) of Balan Granular (2.5%) per acre in the spring 2 to 4 weeks prior to expected annual weed grass seed germination.

b. Southern (warm season) Turf Grasses. For pre-emergence control apply 80 to 120 pounds (2 to 3 lbs active ingredient) of Balan Granular (2.5%) per acre in the late winter or early spring prior to annual weed grass seed germination. In southern or western states where annual weed grasses also germinate into late summer or early fall, a second application of Balan Granular (2.5%) at the recommended rate may be made 4 to 6 months after initial treatment for continued weed control.

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