



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

Beverly Randall  
UNIVERSAL COOPERATIVES, INC.  
P. O. Box 460  
Minneapolis, MN 55440

FEB 17 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
HUMAN HEALTH

SUBJECT: Label Amendment Submission of 08/03/93 in Response to PR Notice 93-7  
EPA Reg. No. 8590-483  
BALAN GRANULAR

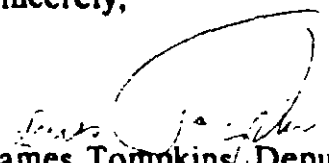
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

  
James Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Enclosures



Recycled/Recyclable  
Printed with Soy/Canola ink on paper that  
contains at least 50% recycled fiber

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Beverly Randall  
UNIVERSAL COOPERATIVES INC  
AGENT FOR: AGWAY INC  
BOX 46C  
MINNEAPOLIS MN 55440

Subject: Label Amendment Submission of 08/03/93  
in Compliance with the PR Notice 93-7  
EPA Reg Nr. 8590-483  
BALAN GRANULAR

Modify the exclusionary statement to conform to the EPA-approved  
language specified in PRN 93-11.

# AGWAY BALAN® GRANULAR (2.5%)

## FOR 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:

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

**ACTIVE INGREDIENT:**

N-Butyl-N-ethyl-4,4'-trifluoro-2,6-dinitro-p-toluidine .....	2.5%
<b>INERT INGREDIENTS:</b> .....	97.5%
<b>TOTAL</b> .....	100.0%

Contains 1 pound active ingredient per 40 pound bag.

Balan® - the registered trademark for Elanco Products Company Jenetia.

**KEEP OUT OF REACH OF CHILDREN.**

### CAUTION

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

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

**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.

Do not apply this product to sod farms or turfgrasses grown for seed, including plants or plant materials grown for sale or research purposes.

Balan Granular (2.5%) controls these annual weeds by killing their seeds as they germinate. Apply Balan before these 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 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*).

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

FEB 17 1973

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

8590-483

## BEST AVAILABLE COPY

## NET CONTENTS 50 LBS.

- 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 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 lbs. (2 to 3 lbs. active ingredient) of Balan Granular (2.5%) per acre in the later 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 applications to smaller areas apply the following amounts of Balan Granular (2.5%):

Balan per acre	Balan per 1,100 sq. ft.
60 lbs.	1½ lbs.
80 lbs.	2 lbs.
120 lbs.	3 lbs.

**RESEEDING:** Chemicals that effectively control annual weed seeds may also effect new desirable turfgrass seedings. 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)

Spreader Type	To Apply Pounds Per Acre		
	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 80 lbs. per acre (1.5 lbs. active ingredient). Balan Granular should not be applied in the spring to turfgrass 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.  
PO BOX 4741  
SYRACUSE, NY 13221

**BEST AVAILABLE COPY**

Do not apply this product to sod farms or turfgrasses grown for seed, including plants or plant materials grown for sale or research purposes.

# AGWAY BALAN® GRANULAR (2.5%) FOR 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:

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ACTIVE INGREDIENT:  
N-Butyl-N-ethyl-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.

**KEEP OUT OF REACH OF CHILDREN.**

## CAUTION

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 feedstuffs or feeds.

**ENVIRONMENTAL HAZARDS:** 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 these 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 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 aeration 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 (2 to 3 pounds active ingredient) of Balan Granular (2.5%) per acre in the spring 2 to 4 weeks before expected annual weed grass seed germination.

b. Southern (warm season) Turf Grasses: For pre-emergence control apply 80 to 120 pounds (2 to 3 pounds 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 weeds 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 control.

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

Balan per acre	Balan per 1,100 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 turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying Balan Granular (2.5%). For satisfactory reseeding results after using Balan the amount of seed used should be in equipment designed to place seed in contact with the soil should be employed. When using higher rate to control annual bluegrass (Poa annua) and other annual grasses reseeding should be delayed 12 to 18 weeks after application.

**APPLICATION EQUIPMENT:** Apply Balan Granular (2.5%) evenly over the turf area with a broadcast spreader. 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. Broadcast and rotary-type spreaders may be used to apply Balan Granular (2.5%). Avoid the use of equipment which would apply the material in narrow, concentrated bands. For best results use equipment which would apply granular herbicides and insecticides. Calibrate applicators prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and granules uniformly.

Listed below are approximate spreader settings. These should serve only as initial starting calibration since all spreaders will vary in their operation depending on the age, condition, 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)

Spreader Type	To Apply Pounds Per Acre	
	60 lbs.	80 lbs.
Cyclone Models B, B9, 99 & 100	3.25	3.75
Models M-3, M-1, and M-1A	6.5	7.25
(based on tractor speed of 4 mph)		
Models S-1 and S-3	6.25	7.0
(based on tractor speed of 4 mph & PTO speed of 540 rpm)		

**PRECAUTIONS:** Apply Balan Granular (2.5%) to the turf prior to the germination of weeds since Balan will not control established weeds. Balan Granular (2.5%) may thin established bluegrass (Poa annua) turfs and fine-leaved fescues at rates above 80 lbs. per acre (1.5 pounds active ingredient). Balan Granular should not be applied in the spring to turfgrasses planted the previous year in bermudagrass areas that have been overseeded with winter grasses, a spring application 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 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 the directions given herein.

EPA Reg. No. 8590-483

EPA Est. No.

AGWAY INC.  
PO BOX 4741  
SYRACUSE, NY 13221

NET CONTENTS 50 LBS.

BEST AVAILABLE