

# BALFIN<sup>®</sup> GRANULES

**A SELECTIVE PREEMERGENCE HERBICIDE FOR USE ON ESTABLISHED LAWNS, GOLF COURSES AND ORNAMENTAL TURFS OF BLUEGRASS (perennial), FESCUE, BAHIA GRASS, BERMUDA GRASS, CENTIPEDE GRASS, ST. AUGUSTINE GRASS AND ZOYSIA GRASS.**

**ACTIVE INGREDIENT:**

N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine .....	2%
<b>INERT INGREDIENTS</b> .....	98%
<b>TOTAL:</b> .....	100%

BALFIN<sup>®</sup> registered trade mark of DowAgrosciences Inc. Products.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious or convulsing person.

IF ON SKIN or CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust and contact with eyes or skin. Use eye protection and freshly laundered protective clothing such as coveralls, a long sleeved shirt, and impermeable gloves when handling this product.

**ENVIRONMENTAL HAZARDS**

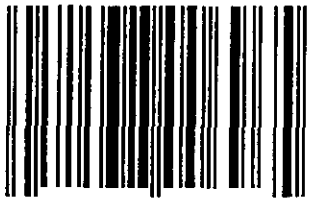
Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwater.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Pesticide should be stored in the original container in a locked storage area.

**PESTICIDE DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If Partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down an indoor or outdoor drain.



EPA EST. No. 829-FL-1 (3); 829-NC-1 (4), 829-NC-2 (5)  
Number following EST No. corresponds to first digit in lot number on bottom of bag.

**Southern Agricultural Insecticides, Inc.**

PALMETTO, FL 34220      HENDERSONVILLE, NC 28793      BOONE, NC 29607  
EPA REG NO. 829-211    J2      **NET WEIGHT 10 1/2 lbs. (4.76 kg.)**

**ACCEPTED**

JAN 23 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 829-211

# DIRECTIONS FOR USE

Read all directions and precautions carefully before applying this product.

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

Balfin Granules is a preemergence herbicide which is applied to established turfgrasses for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass, goosegrass (silver crabgrass or crowfoot), barnyardgrass (watergrass) and green and yellow foxtail. Continued use will greatly aid in the reduction of sandburs in Florida turfs. Balfin Granules control these annual weeds by killing their seeds as they germinate. Apply Balfin Granules before these annual weeds begin to germinate since it does not control established weeds.

When Balfin is applied as directed, the following established turfgrasses are tolerant:

- Bahagrass
- Bermudagrass
- Centipede grass
- Fescue
- Kentucky bluegrass
- Perennial ryegrass
- St. Augustine grass
- Zoysiagrass

Balfin Granules will not harm most nearby established ornamental trees and shrubs.

Do not apply Balfin Granules to Turf that is under stress from drought, nematode infestation or other causes.

## APPLICATION DIRECTIONS

Rates, Frequency and Timing of Application.

Successful preemergence control of the annual grass weeds listed on this label requires timing of application.

Apply Balfin Granules approximately 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 grass weeds listed on this label, weed control results may be erratic or poor. Optimum weed control performance will be obtained if treated areas are irrigated soon after application. Avoid mowing until rainfall or irrigation has washed granules to soil surface.

Any cultural practices that disturb the soil, such as aeration or verticutting, should be done prior to application of Balfin Granules.

### 1. Spring germinating summer annual grasses - crabgrasses, foxtails and barnyardgrass.

#### A. Northern (cool season) turfgrasses

For preemergence control, apply 1 3/4 - 2 1/4 pounds per 1000 sq. ft. of Balfin Granules in the spring one to two weeks prior to the onset of conditions favorable for annual weed seed germination.

#### B. Southern (warm season) Turfgrasses.

For preemergence control, apply 2 1/4 - 3 1/2 pounds of Balfin Granules per 1000 sq. ft. in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination.

In areas of the United States where germination of the annual weed grass species continues for extended periods of time, a second application of Balfin Granules at the recommended rate may be made eight to ten weeks after initial treatment for continued control.

### 2. Late spring, early summer germinating annual grasses - goosegrass

Although classified as a summer annual grass, goosegrass normally germinates four to six weeks later than crabgrass, foxtails and other summer annual grass species. Applications of Balfin Granules should, therefore, be timed accordingly.

#### A. Northern (cool season) turfgrasses.

For preemergence control, apply 2 1/4 pounds of Balfin Granules per 1000 sq. ft. in the late spring or early summer one to two weeks prior to the expected germination of goosegrass.

#### B. Southern (warm season) turfgrasses

For preemergence control, apply 2 1/4 - 3 1/2 pounds of Balfin Granules per 1000 sq. ft. in the late spring or early summer one to two weeks prior to the expected germination of goosegrass.

### 3. Northern and Southern turfgrasses

In areas of the United States where preemergence control of both early germinating annual grasses (crabgrass, foxtails and barnyardgrass) and the later germinating goosegrass is desired, two applications of Balfin Granules at the recommended rate spaced eight to ten weeks apart may be made to provide full season control of these annual grass species.

### 4. Poa annua (annual bluegrass)

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

#### A. Northern (cool season) turfgrasses.

For preemergence control, apply 2 1/4 pounds of Balfin Granules per 1000 sq. ft. in late summer or early fall and again in late winter or early spring one to two weeks prior to the expected germination of annual bluegrass.

#### B. Southern (warm season) turfgrasses

For preemergence control, apply 3 1/2 pounds Balfin Granules per 1000 sq. ft. in the late summer or early fall one to two 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 of Balfin Granules at 3 1/2 pounds per 1000 sq. ft. can be made ten to twelve weeks after the initial treatment.

## RESEEDING:

Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least six weeks after applying Balfin Granules. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using Balfin Granules, the amount of seed should be increased and the seed planted so as to be in contact with the soil. When using Balfin at the highest recommended rate, reseeding should be delayed to sixteen weeks after application.

**APPLICATION EQUIPMENT:** Apply Balfin Granules evenly over the turfgrass area without skips or misses. Both drop type and rotary type spreaders may be used. 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. Check frequently to be sure equipment is working properly and distributing granules uniformly.

**Spreader Calibration:** To calibrate determine the (spread) swath width of the spreader. Place one pound of Balfin Granules in spreader and apply granules in a straight line. Determine the distance traveled. Adjust the spreader setting until one pound will be applied in the distance traveled that corresponds to the rate to be used as indicated in the calibration chart below. The small seed setting for most spreaders is usually a reasonable initial setting.

SWATH WIDTH	Rate of application in lbs per 1000 sq. ft.		
	1 3/4 lbs	2 1/4 lbs	3 1/2 lbs
6"feet	95ft.	75ft.	50ft.
5 "	114	90	60
4 "	140	110	70
3 "	190	150	95

**PRECAUTIONS:** Apply Balfin Granules to the turf prior to the germination of weed grasses since Balfin Granules will not control established weeds. Balfin Granules may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 1 3/4 pounds 1000 sq. ft. Balfin Granules 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 Balfin Granules may thin the overseeded grasses. Because of varying cultural practices, Balfin Granules should not be used on putting greens. Balfin Granules should not be used on dichondra. Balfin Granules should not be applied to newly sprigged areas of bermudagrass, St. Augustine grass, centipede grass or Zoysiagrass until these turfs are well established.

**Note:** Granules may stain skin, clothing and masonry surfaces. After handling wash thoroughly, launder clothing, and immediately remove any granules which may have been applied to masonry surfaces such as walkways or driveways.

Follow instructions carefully. Timing and care of application, weather and turf conditions, and other factors influencing the results obtained by the use of this product are beyond control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with the directions and precautions given herewith.