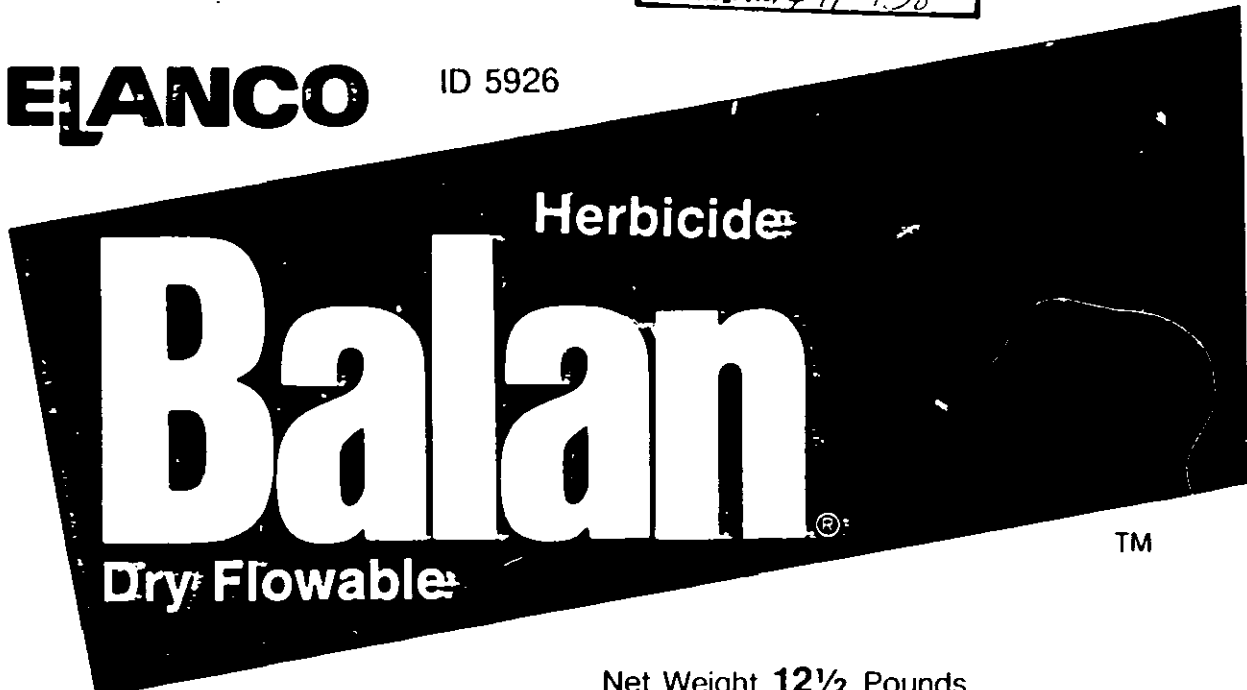


**ACCEPTED**  
 AUG 31 1985  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended for the pesticide  
 registered under  
 EPA Reg. No. 1471-138

**ELANCO**

ID 5926



TM

Net Weight 12½ Pounds

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

Bluegrass (perennial)  
 Ryegrass (perennial)  
 Fescue

Bahiagrass  
 Bermudagrass  
 Centipedegrass

St. Augustinegrass  
 Zoysiagrass

Bentgrass (excluding putting greens and the variety Astoria Colonial)

Active Ingredient N butyl N ethyl α,α difluoro 2,6 dinitro p toluidine 60%  
 Inert Ingredients (relative to herbicidal content) 40%  
 7.5 — Contains ~~66~~ pounds active ingredient per ~~pound~~ — 12 1/2 pound container  
**BALAN**® — (benefin Elanco)

Keep Out of Reach of Children

**CAUTION**

See side panel for additional caution statements

EPA Reg. No. 1471-138

Ⓞ Ⓟ  
 EPA Est. 1471 IN 5 37429 GA 01  
 Superscripted is first letter of lot number  
 FN 3045



**Directions  
Enclosed**

**ELANCO**

ID 5926



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St Augustinegrass  
Zoysiagrass  
Bentgrass (excluding putting greens and the variety Astoria Colonial)



## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust or spray mist, and contact with skin, eyes, or clothing.

#### Statements of Practical Treatment

Insert 4

~~If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering 1 to 2 teaspoons of syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.~~

**If on skin:** Wash with plenty of soap and water. Call a physician if irritation develops.

**If inhaled:** Remove individual to fresh air. If breathing difficulty occurs, get medical attention.

**If in eyes:** Flush eyes with plenty of water. Call a physician if irritation develops.

#### Environmental Hazards

This product is toxic to fish. 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 washwaters.

## Directions for Use

Read All Directions Carefully Before Applying.

See attached literature for Complete Directions for Use.

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

### STORAGE AND DISPOSAL

**Storage:** Store in original container only. Do not store in direct sunlight. Do not store at temperatures above 120°F. If stored above 120°F, Balan Dry Flowable could lose some of its dispersing properties, resulting in difficult application, poor weed control or crop injury. In case of leak or spill, contain material and dispose as waste

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WS 1410 AMX

**Elanco Products Company • A Division of Eli Lilly and Company  
Indianapolis, IN 46285, U.S.A.**

Do not contaminate water when disposing of equipment washwaters.

Insert 4

4 Read and carefully follow all label instructions for each material added to the tank. Read the Balan Dry Flowable label for additional directions, precautions and limitations before use

**CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust or spray mist, and contact with skin, eyes, or clothing.

**Statements of Practical Treatment**

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering 1 to 2 teaspoons of syrup or ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

**If on skin:** Wash with plenty of soap and water. Call a physician if irritation develops. **If inhaled:** Remove individual to fresh air. If breathing difficulty occurs, get medical attention.

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**Container Disposal:** Triple rinse (or equivalent). Dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Do not apply Balan Dry Flowable through any type of irrigation system.

**Disclaimer of Warranties**

The manufacturer makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, express or implied, including but not limited to, any implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed. This disclaimer of warranties does not apply when prohibited by operation of law.

**Limitation of Damages**

Elanco's liability, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of the Balan Dry Flowable and under no circumstances shall Elanco be liable for special, indirect or consequential damages. This limitation of damages does not apply where prohibited by operation of law.

For control of spring annual grasses, apply Balan Dry Flowable as follows:

Insert 2

Literature revised January 25, 1988  
Elanco Products Company • A Division of Eli Lilly and Company  
Indianapolis, IN 46285, U.S.A.  
PI 3331 AMP

ID 5926

Bentgrass (excluding putting greens)  
Astoria Colonial)

PI 3331 AMP

**Balan<sup>®</sup>**  
Dry Flowable

Balan Dry Flowable is a selective preemergence herbicide for annual grasses and most other annual weed grasses on lawns and established.

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

**Directions For Use—Read All Directions Carefully**

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

Balan Dry Flowable is a preemergence herbicide which controls annual grasses for the control of annual bluegrass (*Poa annua*), green and yellow foxtail. Balan Dry Flowable controls these grasses by preventing their seeds as they germinate. Apply Balan before these grasses germinate since it does not control established weeds. Balan Dry Flowable should not be applied in the spring to turfgrass plants in bermudagrass areas that have been overseeded with winter annual grasses since Balan will not control established weeds. Balan Dry Flowable should not be used on established annual bluegrass (*Poa annua*) turfs and fine fescue turfs. Balan Dry Flowable should not be used on putting greens, golf courses, or areas where the grass is being overseeded. Balan Dry Flowable should not be used on dichondra. Balan Dry Flowable should not be used on areas of bermudagrass, St. Augustinegrass or centipedegrass where well established.

**Precautions:** Apply Balan Dry Flowable to the turf prior to the germination of annual grasses. Balan Dry Flowable should not be applied in the spring to turfgrass plants in bermudagrass areas that have been overseeded with winter annual grasses since Balan will not control established weeds. Balan Dry Flowable should not be used on established annual bluegrass (*Poa annua*) turfs and fine fescue turfs. Balan Dry Flowable should not be used on putting greens, golf courses, or areas where the grass is being overseeded. Balan Dry Flowable should not be used on dichondra. Balan Dry Flowable should not be used on areas of bermudagrass, St. Augustinegrass or centipedegrass where well established.

**Application Directions**

**Rates, Frequency and Timing of Application**  
Successful preemergence control of the annual grass weeds requires proper timing of application.

Apply Balan Dry Flowable approximately one to two weeks before the onset of conditions favorable for annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination time of the annual grass weeds listed on this label, weed control performance will be poor. Optimum weed control performance will be obtained if application is made soon after application.

Any cultural practices that disturb the soil, such as aeration, should be done prior to application of Balan Dry Flowable.

1. Spring germinating summer annual grasses—centipedegrass, bermudagrass

A Northern (cool season) turfgrasses  
For preemergence control, apply 3½ to 5 pounds (2 to 3 quarts) of Balan Dry Flowable per acre in the spring on the onset of conditions favorable for annual weed grasses.

B Southern (warm season) turfgrasses  
For preemergence control, apply 3½ to 5 pounds (2 to 3 quarts) of Balan Dry Flowable per acre in the late winter or early spring, prior to the onset of conditions favorable for annual weed grasses.

110\*\*\*\*\*/DF\*\*60/LABELS/US/F3045/52

Delete

2. Late spring, early summer germinating annual grasses—goosegrass Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than crabgrass, foxtails and other summer annual grass species. Applications of Balan Dry Flowable should, therefore, be timed accordingly.

A. Northern (cool season) turfgrasses

For preemergence control, apply 3½ to 5 pounds (2 to 3 pounds active ingredient) of Balan Dry Flowable 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

For preemergence control, apply 3½ to 5 pounds (2 to 3 pounds active ingredient) of Balan Dry Flowable per acre in the late spring or early summer one to two weeks prior to the expected germination of goosegrass.

3. Northern and Southern turfgrasses - split application

As an alternative to single applications, Balan Dry Flowable may also be applied in split applications. 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 Balan Dry Flowable may be applied spaced 8 to 10 weeks apart to provide full-season control of these annual grass weeds. In split applications, apply Balan Dry Flowable at the initial and second application at 3½ pounds per acre (2 plus 2 pounds active ingredient)

2. 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 thin areas previously occupied by annual bluegrass.

A. Northern (cool season) turfgrasses

For preemergence control, apply 3½ pounds (2 pounds active ingredient) of Balan Dry Flowable per acre 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 5 pounds (3 pounds active ingredient) Balan Dry Flowable per acre 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 Balan Dry Flowable at 5 pounds per acre can be made 10 to 12 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 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 Balan at the highest recommended rate, reseeding should be delayed 12 to 16 weeks after application.

Application Equipment and Direction

Application direction

Balan Dry Flowable is to be mixed with water and applied as a spray. Apply in 50 to 250 gallons of water per acre (broadcast basis) using any properly calibrated spray unit.

General Sprayer Information

Vigorous, continuous agitation is required for all dry flowables. Sparger pipe agitation generally provides the best agitation. As when using any dry flowable pesticide, the sprayer in-line strainer should be no finer than a 16 mesh (16 mesh has larger openings than 50 mesh)

1. Be sure sprayer tank is clean and not contaminated with any material, as turf injury or sprayer clogging may result.

2. Be certain that agitation system is working properly and creates a rippling or rolling action on the liquid surface.

3. Use a pump with capacity to (a) provide sufficient agitation in tank to keep mixture in suspension, and (b) to provide to the agitator 20% bypass at all times.

4. Centrifugal pumps are preferred since they provide propeller shear action for dispersing and mixing this product.

5. Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 16 mesh or coarser. Use 50 mesh or coarser screens between the pump and boom and when required at the nozzles.

6. Empty tank as completely as possible before refilling to prevent buildup of oil or emulsifiable concentrate residue (in the case of tank mixes) if an oil or emulsifiable concentrate film starts to build up in the tank, drain and clean with strong detergent solution.

7. It is good practice to clean sprayer tank thoroughly by flushing system with water containing a detergent, then refill with clean water.

General Mixing Directions

Use the following instructions for mixing Balan Dry Flowable alone in water and tank mixed in water.

Mixing Instructions in Water Alone

1. Be sure sprayer is clean and not contaminated with any foreign material

2. Fill tank one-fourth (¼) full with clean water and start agitation

3. Be certain that agitation system is working properly. Vigorous, continuous agitation throughout the spray tank is required with dry flowable formulations. Agitation should be sufficient to create a rippling or rolling action on the liquid surface. Sparger pipe agitation generally provides the best agitation in spray tanks

4. To prevent foaming, avoid stirring or splashing air into the mixture by placing the end of the fill pipe below the surface of the water in the spray tank during the filling process.

5. Pour product directly from container into tank. Controlled addition of the product is important to assure adequate wetting and mixing to prevent clogging of screens and outlet ports.

6. Continue filling tank with water until full

Tank Mix Instructions

1. Add Balan Dry Flowable to the spray tank following the instructions above for Balan alone.

2. Fill the spray tank to 90% full with water.

3. Add other formulations in this order, other dry flowables, wettable powders (WP), aqueous suspensions (A.S.), flowables (F), liquids (L), solutions (S) and emulsifiable or liquid concentrates (E.C., L.C.) in this order allowing two to three minutes between the addition of each product, and agitate continuously until the product(s) are completely dispersed in the water. Each chemical added to the spray tank needs time to either wet or mix with water and other chemicals in the spray tank. To insure proper mixing, time and agitation is required between the addition of each of the additional products.

4. Continue filling tank with water until full

General Instructions and Precautions

1. For either Balan Dry Flowable alone or in tank-mix combination maintain agitation from filling through application. If spraying and agitation is stopped before the tank is empty, the materials may settle to the bottom. In this case, it is important to resuspend again all the material in the bottom of the tank before continuing the spray application. Sometimes it is more difficult to resuspend settled material than it is to suspend it originally. A sparger agitator is particularly useful for this purpose.

2. In-line screens in the tank should be no finer than 16 mesh (16 mesh has bigger openings than 50 mesh).

3. If a buildup of material is seen on the walls of the spray tank, wash the tank with soapy water between fillings. Rinse and continue the spraying operation. Clean tank, lines and screens thoroughly after use.