

File



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP 17 1993

Douglas M. Roby
DOWELANCO
9330 Zionsville Road
Indianapolis, IN 46268

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 07/27/93 in Response to PR Notice 93-7
EPA Reg. No. 62719-127
BALAN DRY FLOWABLE

Dear Registrant:

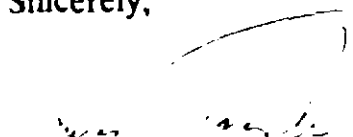
The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (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 When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted."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,

BEST AVAILABLE COPY


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

Enclosures



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Douglas M. Roby
DOWELANCO
9330 ZIONSVILLE RD
INDIANAPOLIS IN 46268

Subject: Label Amendment Submission of 07/27/93
in Compliance with the PR Notice 93-7
EPA Reg Nr. 62719-127
BALAN DRY FLOWABLE

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

Revisions:

- 1) Added statement to the Directions for Use section of this label to remove this product from the scope of the Worker Protection Standard.

DowElanco

~~ELANCO~~ 18-5926



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)

ACCEPTED
with COMMENTS
In EPA Letter Dated

FEB 17 1991

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

62919-127

DowElanco

~~ELANCO~~

ID 5926

Balan

Herbicide
Dry Flowable

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

Net Weight 12½ Pounds

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-2,6-difluoro-2,6-dinitro-*p*-toluidine 60%
Inert ingredients (relative to herbicidal content) 40%
Contains 7.5 pounds active ingredient per 12½ pound container

Keep Out of Reach of Children.

CAUTION

See side panel for additional caution statements.

~~EPA Reg. No. 147-120~~

EPA Est. 1471-IN-5: 37429-GA-01 62719-127
Superscript used is first letter of lot number
FN 3045

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**Directions
Enclosed**

DowElanco • Indianapolis, IN 46268

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

If swallowed: Do not induce vomiting. Call a physician or poison control center. If available, administer activated charcoal (6-8 heaping teaspoonfuls) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

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 loose 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 1411 AMX

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

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DowElanco • Indianapolis, IN 46268

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.

STORAGE AND DISPOSAL

Storage: Store in original container only. Do not store in direct sunlight. Do not store at temperatures below 120°F or 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.

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.

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

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Literature revised July 28, 1988
Elanco Products Company • A Division of Eli Lilly and Company
Indianapolis, IN 46268, U.S.A.

IN 3332 AMP

ID 5926

IN 3332 AMP

Balan[®]
Dry Flowable

Balan Dry Flowable is a selective preemergence herbicide for the control of most other annual weed grasses on lawns and golf courses in established turf.

- Bentgrass
- Bentgrass (excluding putting greens and the variety Astoria Colonial)
- Bermudagrass
- Bluegrass (perennial)

- Centipedegrass
- Fescue
- Ryegrass (perennial)
- St. Augustine
- Zoysiagrass

Directions For Use—Read All Directions Carefully Before Use

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 is applied to established turf for the control of annual bluegrass (Poa annua), smooth and hairy crabgrass (silver crabgrass or crowfoot), barnyardgrass (watergrass) and green annual bluegrass. Balan Dry Flowable 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. Balan Dry Flowable will not harm most nearby established grasses and shrubs.

Precautions: Apply Balan Dry Flowable to the turf prior to the germination of annual bluegrass (Poa annua) turfs and fine-leaved fescues at rates above 1.5 pounds per acre (1.5 pounds active ingredient).

Because of varying cultural practices, Balan Dry Flowable should not be applied to established greens. Balan Dry Flowable should not be used on dichondra. Balan Dry Flowable should not be applied to newly sprigged areas of bermudagrass, St. Augustine, centipedegrass, or zoysiagrass or to newly laid sod of any turf species unless well established.

Balan Dry Flowable can be applied in the spring to turfgrass planted the previous fall, has become well established during the previous fall and has been mowed (4) times. Use only the low rate of 3 1/2 pounds per acre for the initial spring application. In turfgrass areas that have been overseeded or fall reseeded, a spring application of Balan Dry Flowable will control the overseeded or reseeded turf if the turf has become well established and has been mowed four times. Use only the lower rate of 3 1/2 pounds per acre for the initial spring application. Balan Dry Flowable to well established fall overseeded or fall reseeded turf or fall overseeded or fall reseeded turfgrass is treated prior to becoming established with Balan Dry Flowable, injury to the seeded grasses may result.

Application Directions

Rates, Frequency and Timing of Application

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

Apply Balan Dry Flowable 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. Control performance will be obtained if treated areas are irrigated soon after application. Any cultural practices that disturb the soil, such as aeration or verticillium, should be done prior to application of Balan Dry Flowable.

1. For control of spring germinating summer grasses—crabgrass, barnyardgrass, apply Balan Dry Flowable as follows:
 - A. Extreme Northern U.S. - Cool Season Turfgrass - For preemergence control, apply 3 1/2 to 5 pounds per acre (2 to 3 pounds active ingredient) of Balan Dry Flowable in spring 1 to 2 weeks prior to the onset of conditions favorable for weed seed germination.
 - B. Northern U.S. - Cool Season Turfgrass - For preemergence control, apply 3 1/2 to 5 pounds per acre (2 to 3 pounds active ingredient) of Balan Dry Flowable in spring 1 to 2 weeks prior to the onset of conditions favorable for any of the annual grass weeds listed on this label. Make a second application of 3 1/2 to 5 pounds (3 to 5 pounds active ingredient) of Balan Dry Flowable 8-10 weeks after the first application.

Balan Dry Flowable can also be integrated as a complementary treatment in granular application programs using Team 2G, Team plus fertilizer, Balan 2 5G or Balan plus fertilizer.

- C Southern U.S. Warm Season Turfgrass - For preemergence control apply 3½ to 5 pounds per acre (2 to 3 pounds active ingredient) of Balan Dry Flowable. Apply in spring 1 to 2 weeks prior to the onset of conditions favorable for annual grass weed seed germination. Make a second application of 3½ to 5 pounds per acre (2 to 3 pounds active ingredient) of Balan Dry Flowable 8-10 weeks after the first application.

Balan Dry Flowable can also be integrated as a complementary treatment in granular application programs using Team 2G, Team plus fertilizer, Balan 2 5G, Balan plus fertilizer, XL 2G or Surflan plus fertilizer, or in a liquid application program with Surflan A 5.

- 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.

Balan Dry Flowable Rate Reference Chart

Rate/Acre		Rate/1,000 sq. ft.	
Pound ai/A	Pound Product/A	Oz Product/1,000 sq. ft.	
2	3.33	1.25	
3	5.0	1.85	

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. At times 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 clear 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.
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: Do not induce vomiting. Call a physician or poison control center. If available, administer activated charcoal (6-8 heaping teaspoonfuls) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

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.