

62719-96

10-1-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Steve A. McMaster  
Regulatory Manager  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

OCT - 1 2001

Dear Mr. McMaster:

Subject: **BALAN® 2.5G**  
EPA Registration No. **62719-96**  
Application and Your **Letter** Dated September 10, 2001,  
Request To Amend Registration by Revising First Aid  
Statements in Compliance with PR Notice 2001-1; and the  
Terms and Conditions of Use Section; Minor editing for  
Clarity and To Correct Grammar

The proposed labeling amendments have been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, provided that you:

1. Add the statement: "Before using this product, read read Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once.
2. Delete Editorial Notes. The final printed labeling must show the "Helpful Application Techniques for Applying Balan 2.5G". The **Appropriate Spreader Settings as a Guide for Calibration** should be added to the final printed label. Sub-registrants may add others to their final printed labeling
3. Submit one (1) copy of the final printed label prior to your shipment of this pesticide product under the enclosed revised stamped label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment under this labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely yours,

A handwritten signature in cursive script that reads "Eugene M. Wilson".

for Joanne I. Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

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[Front of Bag]

(logo) Dow AgroSciences

# Balan\* 2.5G

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

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

Active Ingredient:

Benefin: N-butyl-N-ethyl- $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-p-toluidine.....	2.5%
Inert Ingredients .....	97.5%
Total .....	100.0%

Contains 1 pound active ingredient per 40 pound bag.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

OCT - 1 2001  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
62719-96

Keep Out of Reach of Children

## CAUTION

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Refer to back panel of bag for precautionary information and Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read Warranty Disclaimer and Limitation of Remedies inside label booklet.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

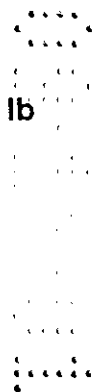
EPA Reg. No. 62719-96

EPA Est. No. \_\_\_\_\_

\*Trademark of Dow AgroSciences LLC  
Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

### Specialty Herbicide

Net Weight 40 lb



[Back of Bag]

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**CAUTION**

**Harmful If Swallowed, Inhaled, Or Absorbed Through The Skin**

**Avoid breathing dust and contact with skin or eyes. • Use eye protection and protective clothing such as coveralls, a long-sleeved shirt, and impermeable gloves when handling this product.**

**First Aid**

**If swallowed:** Call 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 the poison control center or doctor. Do not give anything by mouth to an **unconscious** person.

**If on skin or clothing:** Take off contaminated **clothing**. Rinse skin immediately with plenty of water for 15-20 minutes. Call 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 ambulance, then give artificial respiration, preferably by 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. You may also contact 1-800-992-5994 for **emergency medical treatment** information.

**Environmental Hazards**

Do not apply directly to water, to areas where **surface water** is present, or to intertidal areas below the mean high water mark. Do not contaminate water **when disposing** of equipment washwaters.

**Directions for Use**

It is a violation of federal law to use this product in a **manner** inconsistent with its labeling. Read all Directions for Use carefully before applying.

**Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.**

**Storage and Disposal**

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

**Storage:** Store in original container only. In case of **leak** or spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the **use of this product** may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into **application** equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by **state** and local authorities, by burning. If burned, stay out of smoke.

Refer to label booklet in pocket of bag for **additional precautionary information and Directions for Use**.

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[Label Booklet - Front Cover]

(logo) Dow AgroSciences

# Balan\* 2.5G

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

- |                              |                             |
|------------------------------|-----------------------------|
| <b>Bahiagrass</b>            | <b>Fescue</b>               |
| <b>Bermudagrass</b>          | <b>Ryegrass (perennial)</b> |
| <b>Bluegrass (perennial)</b> | <b>St. Augustinegrass</b>   |
| <b>Centipedegrass</b>        | <b>Zoysiagrass</b>          |

Active Ingredient:

benefin: *N*-butyl-*N*-ethyl- $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-*p*-toluidine..... 2.5%

Inert Ingredients ..... 97.5%

Total ..... 100.0%

Contains 1 pound active ingredient per 40 pound bag.

**Keep Out of Reach of Children**

## CAUTION

**Precaucion al usuario:** Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

EPA Reg. No. 62719-96

EPA Est. No. \_\_\_\_\_

\*Trademark of Dow AgroSciences LLC  
Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

### Specialty Herbicide

Net Weight 40 lb



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[Page 2 of Booklet]

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## Precautionary Statements

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### Hazards to Humans and Domestic Animals

## CAUTION

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### First Aid

**If swallowed:** Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

### Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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### Directions for Use

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It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

**Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.**

### Storage and Disposal

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

**Storage:** Store in original container only. In case of leak or spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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### General Information

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Balan\* 2.5G herbicide 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. Balan 2.5G controls these annual

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weeds by killing their seeds as they germinate. Apply **Balan 2.5G** before these annual weeds begin to germinate since it does not control established weeds.

When **Balan 2.5G** is applied as directed, the following established turfgrasses are tolerant:

Bahiagrass	Kentucky bluegrass
Bermudagrass	Perennial ryegrass
Centipedegrass	St. Augustinegrass
Fescue	Zoysiagrass

**Balan 2.5G** will not harm most nearby established ornamental trees and shrubs.

### General Use Precautions

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

### Application Directions

#### Rates, Frequency, and Timing of Application

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

Apply **Balan 2.5G** approximately 1 to 2 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 should be obtained if treated areas are irrigated soon after application.

Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of **Balan 2.5G**.

#### 1. Spring Germinating Summer Annual Grasses - Crabgrasses, Foxtails and Barnyardgrass

##### A. Northern (Cool Season) Turfgrasses

For preemergence control, apply 60 to 80 pounds (1.5 to 2 pounds active ingredient) of **Balan 2.5G** per acre in the spring one to two weeks prior to the onset of conditions favorable for annual grass weed germination.

##### B. Southern (Warm Season) Turfgrasses

For preemergence control, apply 80 to 120 pounds (2 to 3 pounds active ingredient) of **Balan 2.5G** per acre in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual grass weed 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 **Balan 2.5G** at the recommended rate may be made 8 to 10 weeks after initial treatment for continued control.

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**2. Late Spring to 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 2.5G should, therefore, be timed accordingly.

**A. Northern (Cool Season) Turfgrasses**

For preemergence control, apply 80 pounds (2 pounds active ingredient) of Balan 2.5G per acre in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass.

**B. Southern (Warm Season) Turfgrasses**

For preemergence control, apply 80 to 120 pounds (2 to 3 pounds active ingredient) of Balan 2.5G per acre in the late spring or early summer 1 to 2 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 Balan 2.5G, spaced 8 to 10 weeks apart and applied at the recommended rate, 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 80 pounds (2 pounds active ingredient) of Balan 2.5G per acre in late summer or early fall and again in late winter or spring 1 to 2 weeks prior to the expected germination of annual bluegrass.

**B. Southern (Warm Season) Turfgrasses**

For preemergence control, apply 120 pounds (3 pounds active ingredient) Balan 2.5G 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 2.5G at 120 pounds per acre can be made 10 to 12 weeks after the initial treatment.

For application to smaller areas, apply the following amounts of Balan 2.5G.

Balan 2.5G (lb/acre)	Balan 2.5 (lb/1000 sq ft)
60	1.5
80	2
120	3

**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 2.5G. 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 2.5G, 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 2.5G at the highest recommended rate, reseeding should be delayed 12 to 16 weeks after application.

**Application Equipment**

Apply Balan 2.5G evenly over the turfgrass area without skips or misses. A more uniform application can be made by spreading half the required amount over the area to be treated and then applying the remaining half at a right angle. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders that 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.

**Helpful Application Techniques for Applying Balan 2.5G**

[Editor's note: Insert pictures which accompany each of the following 3 sets of text.]

1. When using a drop type spreader, a splash board mounted under the hopper will help dispense granules more evenly.  
A chain fastened to the side of your spreader will leave a marked or scuffed turf area to follow and help prevent missed areas.
2. When using tractor mounted or pull-type rotary applicators to apply Balan 2.5G, it is suggested that early morning applications be made when the wind is calm and dew is on the ground. Wheel tracks are easy to follow and granules can be spread uniformly.
3. Small area application is easy using a small rotary applicator. To insure proper coverage and avoid missed areas, early morning treatment when wheel tracks are evident in the dew and the wind is calm are ideal.

**Appropriate Spreader Settings as a Guide for Calibration**

(For applying Balan 2.5G in one pass over the turf.)

[Editor's note: Subregistrant may include a listing of brand names of recommended application equipment and spreader settings in final printed label.]

**Note:** These settings are provided as *suggested starting points* in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by Seller or the spreader manufacturer.

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**Warranty Disclaimer**

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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**Inherent Risks of Use**

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes); presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by Buyer.

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**Limitation of Remedies**

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or



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2. Replacement of amount of product used.

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

\*Trademark of Dow AgroSciences LLC  
EPA-Accepted \_\_\_/\_\_\_/\_\_\_