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

FEB 17 1994

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. 62719-96
BALAN 2.5 G

Dear Registrant:

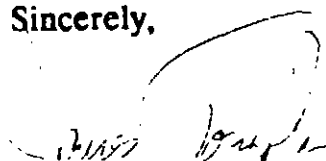
The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations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 When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted."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

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Sincerely,


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



Recycled/Recyclable
Printed with Soy/Candor 7505W 7-41
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is EPA Letter Dated
FEB 17 1994

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

62919-96



Balan* 2.5G

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.

Barnyardgrass	Centipedegrass	St. Augustine grass
Bermudagrass	Fescue	Zoysiagrass
Banana grass	Hydrangea	

Active ingredient		
Net weight	2.5	
Net weight	97.5	

Contains 1 pound of active ingredient per 40 pounds.

Keep Out of Reach of Children

CAUTION

Refer to back panel of bag for precautionary information and Directions for Use including STORAGE AND DISPOSAL.

Notice: Before using this product read "Warranty Disclaimer" and "Limitation of Remedies" on inside label booklet.

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Specialty Herbicide

Net Weight 40 lb

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Revisions:

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

PI 3271652

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION PRECAUCION:

Precaucion al usuario: Si usted no lee ingles, no use este producto hasta que la etiqueta e haya sido explicada amplemente.

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 a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

If inhaled: If discomfort occurs, remove individual to fresh air. Get medical attention if breathing difficulty occurs.

Environmental Hazards

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

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.

STORAGE AND DISPOSAL

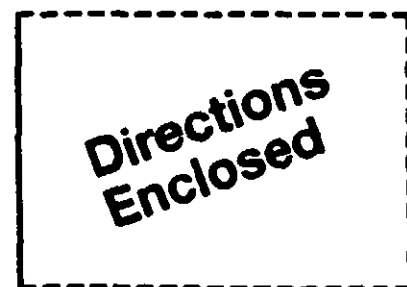
Do not contaminate water, food, or feed by storage or disposal.

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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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

DowElanco • Indianapolis, IN 46268, U.S.A.

Specialty Herbicide

Appropriate Spreader Settings As A Guide For Calibration

(For applying Balan 2.5G in one pass over the turf)
 Note: These settings are provided as suggested starting points in order to assist in the initial spreader calibration. For two pass applications, these settings are not intended to be used as absolute recommendations by DowElanco or the Spreader manufacturer.

Spreader Type	Spreader Setting Necessary to Apply Pounds Formulated Product Per Acre		
	75 lb/acre	100 lb/acre	150 lb/acre
Gandy Model 11A series 8, 10, 11, 12, 20 and 30 H (based on tractor speed of 5 mph)	24	27.5	33.5
Model 11F series 8, 10, 11, 12, 20 and 30 H (based on tractor speed of 5 mph)	22	23.5	27.5
Fast Tender 24, 30, 42 inch (based on tractor speed of 3 mph)	24	25	27
(40) Series 2, 4 and 5 H (based on tractor speed of 3 mph)	15	17	20.5
Scott: Hairy Model H 8 Prop Spreader	G 3 1/2	G 3 1/2	H 4 1/2
Lesco: Lesco Spreader (Note: set 3rd adjustable hole 1 notch from "open")	D	D	F
Cyclone Model 11, 33, 96 (BSSB) at 2000 RPM	2 1/2	2 1/2	3
Model 100 at 2000 RPM	2 1/2	2 1/2	3 1/2
Model 93 (based on tractor speed of 4 mph)	4 1/2	5 1/2	7
Model 99 (based on tractor speed of 4 mph)	4 4/2	5	6 1/2
Model 107 (based on tractor speed of 4 mph)	3 1/2	4 1/2	5 1/2 b
Snyder 5074H	2.9	3.0	4
Leif: Model W and J1 (based on tractor speed of 4.5 mph)	2.5	J	3
Vicon Model 107 (with semi-trail) Swath width 20 ft 1 1/2 inch spread	18	(1)	(6)

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is responsible for the purposes stated on the label when used in strict accordance with the directions thereon. THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY

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, the timing conditions noted on the label, soil conditions, temperature, soil conditions, etc. The user assumes all risks associated with the use of this product, including the presence of other materials, the number of applications, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by the user.

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 that DowElanco's sales representative offers in writing at the time of purchase. In no event shall DowElanco be liable for consequential or incidental damages, including lost profits or lost income. Full DowElanco liability for consequential or incidental damages shall be limited to the amount of the purchase price of the product.

The terms of the Warranty, DowElanco's liability, and the Limitation of Remedies are limited by state law. The user assumes all risks associated with the use of this product. DowElanco's liability for consequential or incidental damages shall be limited to the amount of the purchase price of the product. In no event shall DowElanco be liable for consequential or incidental damages, including lost profits or lost income. Full DowElanco liability for consequential or incidental damages shall be limited to the amount of the purchase price of the product.

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Precautionary Statements

Hazards to Humans and Domestic Animals
Keep Out of Reach of Children

CAUTION PRECAUTION:

Precaution on use: Do not inhale vapors; do not use ester products for use in areas where children or animals are present.

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 a physician or Poison Control Center. Drink 2-4 glasses of water as soon as vomiting has begun. Do not induce vomiting. If vomited, do not re-throw up. If on skin: Wash with plenty of soap and water. Get medical attention if not then relieved. If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists. If inhaled: If discomfort or cough persists, inhale fresh air. Get medical attention if not relieved. If on milk only or cats:

Environmental Hazards

Do not contaminate any body of water by direct application or runoff. Keep out of or away from water.

Directions for Use

This is a violation of Federal law to use this product in a manner inconsistent with the labeling. Read all labels for Use Carefully before applying.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Storage: Store in original container only. Do not use if container is damaged, leaking, or empty. Pesticide Disposal: Waste (residual) from the use of this product should be disposed of in accordance with all applicable state, federal, and local regulations. Container Disposal: Completely empty the container. Do not reuse. Do not burn, bury, or dispose of in a landfill. Do not use for any other purpose. Do not use for any other purpose. Do not use for any other purpose.

General Information

This product is a selective preemergence herbicide for the control of crabgrass and most other annual weed grasses on lawns and golf courses in established areas. It is not intended for use on other crops or plants. Use according to the label directions. Do not use if the product is expired or if the container is damaged. Do not use if the product is not clearly labeled as such. Do not use if the product is not clearly labeled as such.

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

When Balan 2 5G is applied as directed the following established turfgrasses are tolerant:

Bermudagrass	Kentucky Bluegrass
Bermudagrass	Perennial Ryegrass
Centipedegrass	St. Augustinegrass
Fescue	Zoysia

Balan 2 5G will not harm most newly established ornamental trees and shrubs.

General Use Precautions

Apply Balan 2 5G to the turf prior to the germination of weed grasses. Balan 2 5G will not control established weeds. Balan 2 5G may thin established annual bluegrass (*Poa annua*) turfs and low leaved turfs 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 turfgrass 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 dachonra. 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 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 should be obtained if treated areas are irrigated soon after application.

Any cultural practice that disturbs the soil, such as aeration or verticutting, should be done prior to application of Balan 2 5G.

1 Spring Germinating Summer Annual Grasses - Crabgrass, 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 weed grass seed 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 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 Balan 2 5G at the recommended rate may be made 8 to 10 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 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 germination of goosegrass.

3 Northern and Southern Turfgrasses

In areas of the United States where preemergence control of both early germinating (crabgrass, foxtails and barnyardgrass) and the later germinating species (goosegrass) are the major weeds of Balan 2 5G at the recommended rate, a second application 8 to 10 weeks after the first will provide full season control of these annual grass species.

4 Poo annua (Annual Bluegrass)

In areas of heavy infestation of annual bluegrass, its germination will temporarily resist turfgrass areas. Proper fertilization, irrigation and soil wetting practices, along with applying these late germinating and newly planted seedling turfgrasses to fall in these 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 early fall and again in late winter or spring one to two weeks before expected germination of annual bluegrass.

B. Southern (Warm Season) Turfgrasses

For preemergence control, apply 120 pounds (3 pounds active ingredient) of Balan 2 5G per acre in early fall one to two weeks prior to the expected germination of bluegrass. In southern areas of the United States where germination of annual bluegrass for extended periods of time, a second application of Balan 2 5G at the same rate may be made 10 to 12 weeks after the initial treatment.

In application to smaller areas, apply the following amounts of Balan 2 5G:

Balan 2 5G/Acre	Balan 2 5G/1000 sq ft
60 lb.	1 1/2 lb.
80 lb.	2 lb.
120 lb.	3 lb.

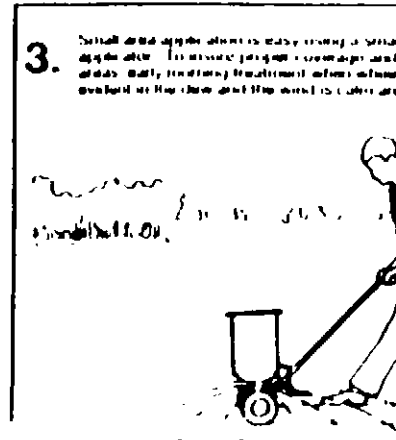
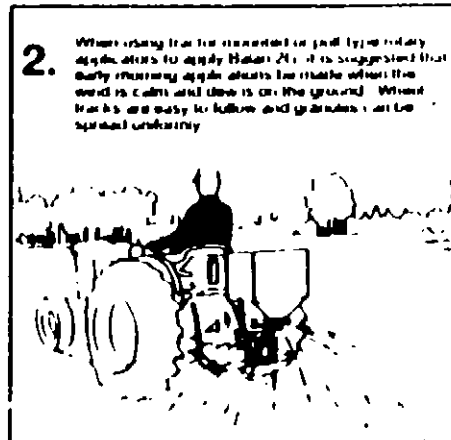
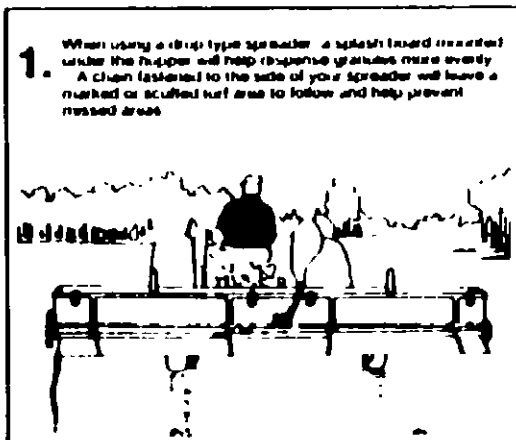
Re seeding

Chemicals that effectively control annual weed seeds may also affect new desirable turfs. Re seeding should be delayed for at least 6 weeks after applying Balan 2 5G. If re seeding is essential, proper cultural practices such as soil cultivation, irrigation, and fertilization should be followed. For satisfactory re seeding results after using Balan 2 5G, the amount of seed and equipment designed to place seed in contact with the soil (such as a seeder) should be employed. When using Balan 2 5G at the highest recommended rate, re seeding 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 and then applying the other half at right angles. Both drag type and rotary type spreaders may be used. Avoid the use of which would apply the material in narrow, concentrated bands. For best results, use equipment designed to apply granular herbicides and insecticides. Calculate application rates to the manufacturer's directions. Check frequently to be sure equipment is working properly, distributing granules uniformly.

Helpful Application Techniques for Applying Balan 2G



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