



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

File

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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. 62719-149
TURF FERTILIZER CONTAINS BALAN 0.575% + SURFLAN 0.575%

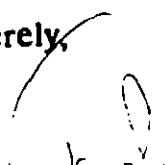
Dear Registrant:

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 When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted."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,


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



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Office of Pesticide Programs
Registration Division

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0.575%

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

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.

DowElanco

**DowElanco Turf and Ornamental Fertilizer
Contains Balan* 0.575% + Surflan* 0.575%**

A Granular Fertilizer Containing Balan and Surflan for the Preemergence Control of Crabgrass, Foxtall, Goosegrass, Poa Annua and Other Annual Weed Grasses in Established Turfgrasses and Ornamentals.

Active Ingredients:

N-butyl-N-ethyl- α,α,α -trifluoro-2,6-dinitro-p-toluidine 0.575%
 oryzalin: 3,5-dinitro-N⁴,N⁴-dipropylsulfanilamide..... 0.575%

Inert Ingredients..... 98.85%

Contains 0.575 pound active ingredient per 50 pound bag.

<u>Guaranteed Analysis</u>	
Total Nitrogen (N).....	24.0%
Available Phosphoric Acid (P ₂ O ₅).....	6.0%
Soluble Potash ((K ₂ O).....	12.0%

EPA Reg. No. 62719-149

EPA Est. _____ (subregistrant)

Keep Out of Reach of Children

WARNING

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes Eye Irritation - Do Not Get In Eyes - Harmful If Swallowed, Inhaled, Or Absorbed Through Skin

Avoid breathing dust and contact with skin or clothing. The granular formulation may cause skin sensitization reactions in certain individuals. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt, shoes and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

First Aid

If In Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Call a physician.

If Swallowed: Call physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If Inhaled: If breathing difficulty occurs, move individual to fresh air and get medical attention.

Environmental Hazards

Do not contaminate water when disposing of equipment washwaters.

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.

62719-149

Directions for Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read all directions 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 of waste.

Pesticide Disposal: Pesticide, spray, mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State, or local procedures.

Bag 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.

Metal Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

Plastic Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by State and local authorities.

General Information

DowElanco's Turf Fertilizer Contains Balan and Surlan can be used as a selective preemergence herbicide for the control of most annual grasses and certain broadleaf weeds in:

Established Warm Season Turf

- Bahiagrass
- Bermudagrass
- Centipedegrass
- St. Augustinegrass
- Tall Fescue
- Zoysiagrass

**Container Grown Ornamentals
Landscape Ornamentals
Ground Covers**

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

The granular fertilizer containing Balan and Surlan is recommended to control the following weed species:

Annual Grasses Controlled

<u>Summer Annuals</u>	<u>Winter Annuals</u>
Barnyardgrass (watergrass)	Bluegrass annual
Crabgrass (Large crabgrass) (Smooth crabgrass)	
Crowfootgrass	
Foxtails (Bottlegrass) (Bristlegrass) (Giant foxtail) (Green foxtail) (Pigeongrass) (Robust foxtail) (Yellow foxtail)	
Goosegrass (Silver crabgrass)	

Johnsongrass
(from seed only)
Lovegrass, little*
Oat, wild*
Ryegrass, annual
Sandbur, field
*Controlled only at ornamental rates.

Annual Broadleaf Weeds Controlled

Summer Annuals

Carpetweed
Knotweed, prostrate
Purslane, common

Winter Annuals

Chickweed, common
Henbit

Annual Broadleaf Weeds Partially Controlled

Carrot, wild
Fleabane, dwarf
Groundsel, common
Mustard, Indiana
Spurge, prostrate
Woodsorrel, yellow

Approved Uses

Established Lawns and Golf Courses

This product should be applied one to two weeks prior to the anticipated germination of the target annual weeds and grasses at an application rate of 250 pounds of product per acre (6 pounds per 1000 sq. ft.). Apply using a properly calibrated granular fertilizer spreader which will uniformly distribute the product over the target area. Avoid skips and excessive overlaps, as poor control of turf or turfgrass injury may occur. Optimum weed control performance will be obtained if treated areas are irrigated soon after application. This product will not harm most nearby established ornamentals.

General Use Precautions

Do not reseed treated areas for a minimum of 12 weeks following treatment.

Do not apply this product to golf course putting greens, dichondra, or newly sprigged areas of bermudagrass, St. Augustinegrass, centipedegrass, or zoysiagrass.

Any cultural practices that disturb the soil, such as aerification and verticutting, should be done prior to application.

Ornamentals

The granular fertilizer containing Balan and Surflan is a preemergence, surface applied herbicide for the control of most annual grasses and certain broadleaf weeds.

General Use Precautions

Apply only to established plantings. Rooted liners should be established in containers two weeks prior to treatment or crop injury may occur.

On container grown ornamentals, where weed seed germination continues for extended periods of time, subsequent applications of the granular fertilizer containing Balan and Surflan should not be made any sooner than 90 days after application or crop injury may occur.

Do not apply in ornamental plantings where the likelihood of runoff onto lawn areas containing dichondra or cool season turfgrass species exist as severe injury or death may occur. Poor weed control may result if directions are not followed. Over application may result in crop injury or excessive soil residue.

Plant only ornamental species listed on this label into soil treated the previous season with the granular fertilizer containing Balan or Surflan or injury may occur.

Soil Preparation

The granular fertilizer containing Balan and Surflan will not control established weeds. Areas to be treated should be free of established weeds or controlled with postemergence herbicides. Weed residues, prunings and trash should be thoroughly mixed into the soil or removed prior to treatment. The soil should be in good tilth and free of clods at the time of application.

Application Equipment

Apply evenly over the area. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders which may apply the material in narrow concentrated bands. For best results, use equipment designed to apply granular herbicides and insecticides. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

Activation and Cultivation

The granular fertilizer containing Balan and Surflan will remain stable on the soil surface; however, rainfall or irrigation is needed to move the chemical into the soil. If weeds begin to emerge due to lack of rainfall or irrigation, shallow cultivate (1 to 2 inches) to destroy existing weeds and place the chemical in the weed germination zone. Shallow cultivation (1 to 2 inches) will not reduce herbicidal effectiveness.

Ornamental Plants

The granular fertilizer containing Balan and Surflan is recommended for use on the following species. All species on the following list may be treated when field grown; those species marked with an asterisk may also be treated when container grown. Species not marked with an asterisk should not be treated if container grown.

Common Name

Scientific Name

Bamboo, Heavenly	<i>Nandina domestica</i>
Bottlebrush	<i>Callistemon</i> spp.
Boxwood, Japanese	<i>Buxus microphylla</i>
Capeweed, African	<i>Arctotheca calendula</i>
Daisy, Trailing African	<i>Osteospermum fruticosum</i>
Fescue, Blue	<i>Festuca ovina</i>
Firethorn, Scarlet*	<i>Pyracantha coccinea</i>
Gazania	<i>Gazania</i> spp.
Ice-plant, Largeleaf	<i>Mesembryanthemum edule</i>
Ice-plant, Red Trailing	<i>Lampranthus spectabilis</i>
Ivy, Algerian	<i>Hedera canariensis</i>
Ivy, English	<i>Hedera helix</i>
Juniper	<i>Juniperus</i> spp.
Lily-of-the-Nile*	<i>Agapanthus africanus</i>
Oleander*	<i>Nerium oleander</i>
Olive	<i>Olea europaea</i>
Peppertree, California	<i>Schinus molle</i>
Photinia	<i>Photinia</i> spp.
Raphiolepis	<i>Raphiolepis</i> spp.
St. Johnsworth	<i>Hypericum</i> spp.

Precaution

Ice-Plant: When establishing unrooted Ice-plant on coarse soils in landscape plantings, use only the 348 pound rate or crop injury may occur. After the Ice-plant is well established, a second application may be made.

Broadcast Application Rates

Apply the granular fertilizer containing Balan and Surlan prior to the germination of annual weeds. For preemergence control, apply 348-522 pounds per acre. Use the higher application rate when control of weeds is desired for a longer period, 6-8 months.

For application to small areas, apply the following amounts of product.

<u>Per Acre</u>	<u>Per 1000 Sq. Ft.</u>
348 pounds	8 pounds
522 pounds	12 pounds

WARRANTY INFORMATION

(Subregistrant may include appropriate statements to address Warranty Disclaimer, Inherent Risks of Use or Limitation of Remedies pertaining to use of this product.)

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DowElanco • Indianapolis, Indiana 46268-1189, U.S.A.