

70506-49

21-18-2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
70506-49

Date of Issuance:
APR 18 2006

Term of Issuance: Unconditional

NOTICE OF PESTICIDE:
Registration
[X] Reregistration
(under FIFRA, as amended)

Name of Pesticide Product:
Turf and Ornamental Fertilizer
Contains Balan 0.575 % +
Surflan 0.575 %

Name and Address of Registrant (include ZIP Code):

UNITED PHOSPHORUS, INC.
423 Riverview Plaza
Trenton, NJ 08611

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Document(s), EPA has reregistered the product listed above. Enclosed as a copy of your label stamped "Accepted." This action is taken under the authority of section 4 (g) (2) (c) of the federal Insecticide, Fungicide, and Rodenticide Act, as amended.

Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

A stamped copy of your labeling is enclosed for your records.

Signature of Approving Official:
Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division (7505C)

Handwritten signature of Joanne I. Miller

Date:
APR 18 2006

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Turf and Ornamental Fertilizer Contains Balan[®] 0.575% + Surflan[®] 0.575%

A granular fertilizer containing Balan and Surflan for the preemergence control of crabgrass, foxtail, goosegrass, *Poa annua* and other annual weed grasses in established turfgrasses and ornamentals.

Active Ingredients:

benefin: N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine.....	0.575%
oryzalin: 3,5-dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide.....	0.575%
Inert Ingredients.....	98.850%
Total.....	100.000%

Contains 0.575 pound active ingredient per 50 pound bag.

Guaranteed Analysis

Total Nitrogen (N)	24.0%
Available Phosphoric Acid (P ₂ O ₅).....	6.0%
Soluble Potash ((K ₂ O).....	12.0%

Keep Out of Reach of Children

CAUTION PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See side/back panel for additional precautionary statements.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read the Conditions of Sale and Limitation of Warranty and Liability elsewhere on this label. If terms are unacceptable, return at once unopened.**

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

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

EPA Reg. No. 70506-49

EPA Est.

Manufactured for:
United Phosphorus, Inc.
423 Riverview Plaza
Trenton, NJ 08611
1-800-247-1557 • www.upi-usa.com

Herbicide

Net Weight - _____ lb

ACCEPTED

APR 18 2006

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

70506-49

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Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes Moderate Eye Irritation • Harmful If Swallowed • Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency medical assistance, call the National Pesticide Information Center 1-800-858-7378.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for Agricultural Pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Entry Restrictions for Non-WPS Uses: Do not enter or allow other people or pets to enter the treated area until dusts have settled. If watering-in is required after the application, except for those people involved in the watering-in, do not enter or allow other people or pets to enter the treated areas until the watering-in is complete and the surface is dry.

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Environmental Hazards

This product is toxic to fish and aquatic organisms. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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.

Not for use on plants grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

Storage and Disposal

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

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

Pesticide Disposal: Wastes resulting from the use of this product which cannot be disposed of according to label instructions may be disposed of on site or at an approved waste disposal facility.

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 procedures approved by State and local authorities.

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

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

Precautions and Restrictions

- Do not graze or feed forage from treated areas to livestock.
- Do not aerially apply this product.
- Do not apply this product in a way that will contact workers or other persons or pets, either directly or through drift. Only protected handlers may be in the area during application.

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- Do not enter or allow other people or pets to enter the treated area until dusts have settled. If watering-in is required after the application, except for those people involved in the watering-in, do not enter or allow other people or pets to enter the treated areas until the watering-in is complete and the grass is dry.
- When applied to turf, this product must be watered in as soon as possible after application to dissolve the granules. A single rainfall or irrigation of ½ inch or more is required after product application.

This product is recommended to control the following weed species:

Annual Grasses Controlled

- | | |
|----------------------------|-----------------------|
| Summer Annuals | Winter Annuals |
| 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 | Winter Annuals |
| Carpetweed | chickweed, common |
| knotweed, prostrate | henbit |
| purslane, common | |

Annual Broadleaf Weeds Partially Controlled

- | | |
|-------------------|--------------------|
| carrot, wild | mustard, Indiana |
| fleabane, dwarf | spurge, prostrate |
| groundsel, common | woodsorrel, yellow |

Established Lawns and Golf Courses

This product should be applied 1 to 2 weeks prior to the anticipated germination of the target annual weeds and grasses at an application rate of 260 lb of product per acre (6 lb per 1000 sq ft). Apply using a properly calibrated granular fertilizer spreader that will uniformly distribute the product over the target area. Avoid skips and excessive overlaps as poor weed and grass control or turfgrass injury may occur. For optimum weed control performance, thoroughly water in XL 2GR as soon as possible after application to dissolve the granules. This product will not harm most nearby established ornamentals.

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Use Precautions and Restrictions for Turf

- Do not reapply for at least 90 days or apply more than twice per year or more than 12 lb per 1000 sq ft per year.
- 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.
- When applied to turf, this product must be watered in as soon as possible after application to dissolve the granules. A single rainfall or irrigation of ½ inch or more is required after product application. Watering-in must be performed by the commercial applicator or the commercial applicator must provide the following information to the resident or owner in writing:
 - "This product must be watered in as soon as possible."
 - "Do not enter or allow others (including children or pets) to enter the treated areas (except those involved in the watering) until the watering-in is complete and the surface is dry."

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.

Use Precautions and Restrictions for Ornamentals

- Apply only to established plantings. Rooted liners should be established in containers 2 weeks prior to treatment or crop injury may occur.
- Do not apply in ornamental plantings if the likelihood of runoff onto lawn areas containing dichondra or cool season turfgrass species exists 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

This product 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 application.

Application Equipment

Apply evenly over the area. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders that 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

This product 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.

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Ornamental Plants

This product is recommended for use on the following species. All species in the following list may be treated when field grown; those species marked with a dagger (†) may also be treated when container grown. Species not marked with a dagger 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. Johnswort	<i>Hypericum</i> spp.

††When establishing unrooted ice-plant on coarse soils in landscape plantings, use only the 348 lb 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 Surflan prior to the germination of annual weeds. For preemergence control, apply 348 lb per acre.

For application to small areas, determine the area to be treated in sq ft and calculate the amount required based on the rate per 1000 sq ft. For example if the area to be treated is 600 sq ft, the amount of product required is $600 \div 1000 \times 8 \text{ lb}/1000 \text{ sq ft} = 4.8 \text{ lb}$.

Labeled Use Site	Desired Length of Control (months)	Broadcast Application Rate		Minimum Time Between Applications (months)	Total Amount Allowed Per Year (lb/acre)
		(lb/acre)	(lb/1000 sq ft)		
landscape ornamentals	3 - 4	348	8	2	696
container grown and field grown ornamentals	3 - 4 6 - 8	348 522	8 12	3 3	696 1044

**IMPORTANT INFORMATION
READ BEFORE USING PRODUCT**

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. The Directions for Use of this product reflect the opinion of experts based on field use and tests. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

United Phosphorus, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Phosphorus, Inc., and Buyer and User assume the risk of any such use. **UNITED PHOSPHORUS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent allowed by law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

Balan is a registered trademark of Dow AgroSciences LLC.
Surflan is a registered trademark of United Phosphorus, Inc.

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