

NET WEIGHT: XXXX LBS (XXXX Kg)  
TREATS OR COVERS: XXXX SQ FT

# LEBANON FERTILIZER WITH SURFLAN®

A preemergence herbicide with fertilizer which is applied to established Southern turf including Bahiagrass, Bermudagrass, Centipedegrass, Tall Fescue, St. Augustinegrass and Zoysiagrass for the control of annual grasses and some broadleaf weeds. This product works by controlling weeds as the seeds germinate.

A Balanced Turf Fertilizer Containing SURFLAN®, a Selective Preemergence Herbicide for Control of Certain Broadleaf Weeds and Most Annual Grasses in Established Southern Turfgrass.

## FOR USE ON ESTABLISHED SOUTHERN TURF

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

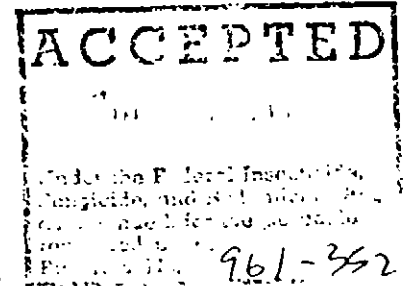
### ACTIVE INGREDIENT:

\*Oryzalin (3,5-dinitro-N4,N4-dipropylsulfanilamide) 1.00%

INERT INGREDIENTS: 99.00%

TOTAL: 100.00%

(L) (D)



EPA Reg. No. 961-352

EPA Est. 961-PA-01:961-IL-01

Superscript used is first letter of lot number.

Surflan® - (oryzalin, DowElanco)

## WARNING

KEEP OUT OF REACH OF CHILDREN

See Back Panel for Additional Precautionary Statements

MANUFACTURED BY

Lebanon Chemical Corporation

Lebanon, PA 17042

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin, eyes or clothing. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt 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. Flush eyes with plenty of water. Get medical attention if irritation persists.

**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 induce vomiting or 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. Get medical attention if irritation persists.

**IF INHALED:** Remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, give artificial respiration, preferably cardiopulmonary resuscitation and get medical attention immediately.

**ENVIRONMENTAL HAZARDS**

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 disposing of equipment washwaters. Cover and incorporate spills.

**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 this product.

**NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOG, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES.**

**NOT FOR USE ON PLANTS BEING 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 MODIFICATIONS 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 or disposal.

**STORAGE:** Store in original container. Protect stored product from moisture. In case of leak or spill, contain material and dispose as waste. Keep in original container in a cool, dry area, away from extreme heat and direct sunlight. Do not store near food, feed, seeds or other pesticides.

**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:** 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.

## GENERAL INFORMATION

This balanced turf fertilizer product contains SURFLAN®, a selective preemergence herbicide for control of certain broadleaf weeds and most annual grasses in established southern turfgrass. This product is recommended on the following established southern turfgrass species:

**BAHIAGRASS - BERMUDAGRASS - CENTIPEDEGRASS - ST. AUGUSTINEGRASS -  
TALL FESCUEGRASS - ZOYSIAGRASS**

This product may be used on: Home Lawns, lawns of Apartment and Condominium complexes, Cemeteries, Parks, Golf Courses, Athletic Fields and other recreational areas.

## IMPORTANT USE PRECAUTIONS

- ✓ This product does not control established weeds. Existing weeds may be controlled with postemergence herbicides.
- ✓ To insure optimal fertilizer and herbicidal response, water treated areas as soon as possible after application. A one-half (1/2) inch rain or its equivalent in sprinkler irrigation is required to activate SURFLAN®.
- ✓ SURFLAN® may injure turf that is in a weakened condition due to winter climatic conditions or is not well established. Apply only to healthy established southern turf.
- ✓ Do not apply this product in the spring and summer to tall fescue turfgrass seeded the previous fall.
- ✓ Do not apply this product in the spring to Bermudagrass which has been overseeded with winter annual grasses since thinning will occur.
- ✓ Do not use on newly sprigged or hydromulched areas of Bermudagrass, St. Augustinegrass, Centipedegrass or Zoysiagrass until turf is well established.
- ✓ Do not apply to bentgrass or golf course putting greens.
- ✓ Do not apply to dichondra turf.
- ✓ Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of this product.
- ✓ Do not overdose or overlap in such a way as to overdose because turf injury may occur.

**RESEEDING TREATED AREAS:** Delay reseeding for 90 to 120 days after application. Seeding results may be improved by increasing the seeding rate and use of precision planting equipment. Employ cultural practices optimum for seed germination and establishment.

This product should not be applied to newly-sprigged areas of Bermudagrass, St Augustinegrass, Centipedeegrass or Zoysiagrass until these turfs are well established.

Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of this product.

## **WEEDS CONTROLLED**

### **SUMMER ANNUAL WEEDS CONTROLLED BY THIS PRODUCT:**

Grass Weeds

Barnyardgrass

Crabgrass

(Large crabgrass)

(Smooth crabgrass)

Crowfootgrass

Foxtails

(Bottlegrass)

(Bristlegrass)

(Giant Foxtail)

(Green Foxtail)

(Pigeongrass)

(Robust Foxtail)

(Yellow Foxtail)

Goosegrass

(Silver crabgrass)

Johnsongrass (seedling only)

Ryegrass, annual (Italian)

Sanbur, field

Broadleaf Weeds

Carpetweed

Knotweed, prostrate

Purslane, common

### **WINTER ANNUAL WEEDS CONTROLLED BY THIS PRODUCT**

Grass Weeds

Bluegrass, Annual

Broadleaf Weeds

Chickweed, common

Henbit

### **WEEDS SUPPRESSED OR PARTIALLY CONTROLLED BY THIS PRODUCT**

Groundsel, common

Spurge, prostrate

Woodsorrel, yellow

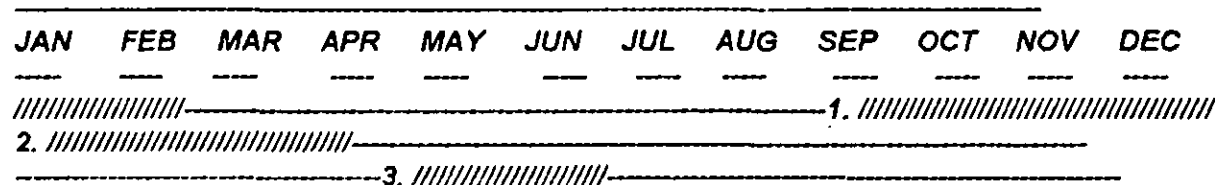
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## APPLICATION INSTRUCTIONS

### WHEN TO APPLY

Apply only to healthy established turf 1 to 2 weeks prior to expected germination time of target weed species. Annual weeds germinate from fall through early summer with peak germination occurring in fall and after spring warm-up. For optimum control, application should be timed to occur just before periods of peak germination. If applied too early or too late, erratic weed control will result. Refer to the following **APPLICATION TIMING CHART** to determine ideal times for different weed germination periods.

### APPLICATION TIMING CHART



1. Fall application to control annual bluegrass and winter annuals.
2. Winter/early spring application to control crabgrass and other grasses and broadleaf weeds germinating in late winter or early spring.
3. Late spring/early summer application to control goosegrass and other late germinating annual grasses and broadleaf weeds.

### ANNUAL BLUEGRASS AND WINTER ANNUAL WEED CONTROL

For control of Annual Bluegrass (*Poa Annua*) and winter annual broadleaf weeds and grasses which begin to germinate in the fall.

**APPLICATION RATES AND TIMING:** Apply in late summer or early fall just prior to the expected germination period for annual bluegrass and winter annual weeds at a rate of 50 lbs. per 14,500 sq. ft. of turf area (1.5 lbs. active ingredient per acre). See No. 1 in **APPLICATION TIMING CHART** section above.

For extended weed control or where germination is expected to occur into mid-winter, a second application at a rate of 50 lbs. per 14,500 sq. ft. can be made 8 to 10 weeks after the initial application.

### SPRING ANNUAL WEED CONTROL

For control of weeds which germinate in late winter or early spring.

**APPLICATION RATES AND TIMING:** Apply from January through mid-April prior to the onset of conditions favorable for weed germination. Apply at a rate of 50 lbs. per 8,000 sq. ft. (2.7 lbs. active ingredient per acre). See No. 2 in **APPLICATION TIMING CHART** section above.

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## **EQUIPMENT AND APPLICATION TECHNIQUES**

Apply this product using a chain or rotary-type spreader designed to apply granular fertilizer. Calibrate application equipment prior to use according to equipment manufacturer's directions. Check frequently to be sure equipment is operating properly and distributing uniformly. Avoid use of spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first. A splash board mounted below the release point of drop-type spreaders can improve the uniformity of product distribution.

## **WARRANTY**

The Manufacturer warrants that this product is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

## **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, expressed 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 where prohibited by operation of law.

## **LIMITATION OF DAMAGES**

The liability of the Manufacturer, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the amount of the purchase price of this product and under no circumstances shall the Manufacturer be liable for special, indirect or consequential damages. This limitation of damages does not apply where prohibited by operation of law.

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