



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

Mr. Henry E. Rohland
Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon, PA 17042-0180

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dear Mr. Rohland:

AUG - 4 2000

Subject: Lebanon Fertilizer with Surflan®
EPA Registration Number 961-352
Application Dated December 14, 1995 and Letter
Dated December 18, 1995, Application for Reregistration
under the EPA Reregistration Eligibility Decision (RED)
for Pesticide Products Containing Oryzalin
Your Letters Dated May 3, and August 2, 2000, Responses
To Agency Letter Dated January 21, 2000 and Facsimile
Note Dated June 13, 2000

The labeling submitted in response to the subject letters from this Agency has been reviewed and found to be acceptable as an amendment to the registration of the pesticide product, "Lebanon Fertilizer with Surflan" under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, provided that you:

1. Revise the ingredient statement by adding a double asterisk to the common name "oryzalin" and the CAS Number. They must be connected as described in PR Notice 97-5.
2. Revise the second sentence under "General Information" section to read: "This product is recommended for weed control in the following southern turf species."
3. Revise the first sentence under "Reseeding Treated Areas" to read: "Delay reseeding for 120 days after application."; or tell the using public when to delay reseeding 90 days.
4. Submit one copy of the final printed labeling prior to your release of the product for shipment under this labeling.

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, appearing to read "Joanne I. Miller".

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

Enclosure

LEBANON FERTILIZER WITH SURFLAN*

A preemergence herbicide with fertilizer which is applied to established Southern turf (Bahagrass, Bermudagrass, Centipedegrass, Tall Fescue, St. Augustinegrass and Zoysiagrass) for the preemergence control of grasses and broadleaf weeds listed on this label.

A Balanced Turf Fertilizer Containing SURFLAN*, a Selective Preemergence Herbicide for Control of Broadleaf Weeds and Grasses in Established Southern Turf.

FOR USE ON ESTABLISHED SOUTHERN TURF

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

ACTIVE INGREDIENT:

Oryzalin 1.00%

OTHER INGREDIENTS: 99.00%

TOTAL 100.00%

EPA Reg. No. 961-352
*Trademark of Dow AgroSciences LLC.
CAS No. 19044-88-3

(L) (D)
EPA Est. 961-PA-01:961-IL-01
Superscript used is first letter of lot number.

GUARANTEED ANALYSIS

| | |
|------------------------------------------------------------|-----|
| Total Nitrogen (N) | XX% |
| X.X% Ammoniacal Nitrogen | |
| X.X% Water Insoluble Nitrogen | |
| X.X% Urea Nitrogen | |
| X.X% Other Water Soluble Nitrogen | |
| Available Phosphate (P ₂ O ₅) | XX% |
| Soluble Potash (K ₂ O) | XX% |

Nutrient Sources: (Guaranteed Analysis and Nutrient Sources to be supplied based on fertilizer analysis used by manufacturer.)

KEEP OUT OF REACH OF CHILDREN CAUTION

See Back Panel for Additional Precautionary Statements

MANUFACTURED BY:
LEBANON SEABOARD CORPORATION
1600 EAST CUMBERLAND STREET
LEBANON, PA 17042
www.lebsea.com

**ACCEPTED
with COMMENTS
in EPA Letter Dated
AUG - 4 2000**

**NET WEIGHT: XX LBS. (XX.X kg)
TREATS OR COVERS: XXXX SQ. FT.**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
961-352**

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

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 do so by the poison control center or doctor.
 - Do not give anything by mouth to an unconscious person.
- IF ON SKIN:**
- Take off contaminated clothing.
 - Rinse skin immediately with plenty of water for 15-20 minutes.
 - 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 an ambulance, then give artificial respiration, preferably 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other Handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes

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 before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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.

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 broadleaf weeds and grasses in established southern turf. This product is recommended on the following established southern turf species:

BAHIA GRASS - BERMUDA GRASS - CENTIPEDE GRASS - ST. AUGUSTINE GRASS - TALL FESCUE GRASS - ZOYSIA GRASS

This product may be used on home lawns, lawns of apartment and condominium complexes, cemeteries, parks, golf courses, athletic fields and other recreational areas.

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.

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)
- Sandbar, field

Broadleaf Weeds

- Carpetweed
- Knowlweed, prostrate
- Purslane, common

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WINTER ANNUAL WEEDS CONTROLLED BY THIS PRODUCT:

- | | |
|--------------------|------------------------|
| <u>Grass Weeds</u> | <u>Broadleaf Weeds</u> |
| Bluegrass, Annual | Chickweed, common |
| | Henbit |

WEEDS SUPPRESSED OR PARTIALLY CONTROLLED BY THIS PRODUCT:

- | | | |
|-------------------|-------------------|--------------------|
| Groundsel, common | Spurge, prostrate | Woodsorrel, yellow |
|-------------------|-------------------|--------------------|

GENERAL PRECAUTIONS AND RESTRICTIONS

**NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOD, 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.**

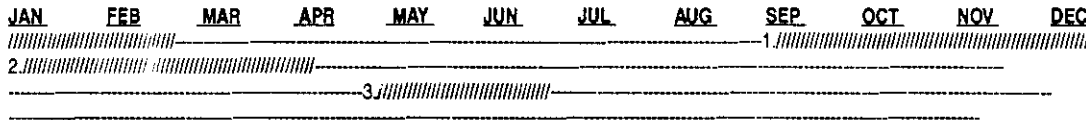
- This product does not control established weeds.
- To insure optimal fertilizer and herbicidal response, water treated areas as soon as possible after application. A one-half (1/2) inch rain or its equivalent in sprinkler irrigation is required to activate SURFLAN®.
- SURFLAN® may injure turf that 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 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 well established.
- Do not apply to bentgrass or golf course putting greens.
- Do not apply to dichondra.
- Any cultural practices that disturb the soil, such as aeration 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.
- Do not apply this product by aerial application.

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 during 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 and winter 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 and early spring.
3. Late spring/early summer application to control goosegrass and other late germinating 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 that 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 3.44 lbs. per 1,000 sq. ft. of turf area (0.034 lbs. active ingredient per 1,000 sq. ft.). See No. 1 in **APPLICATION TIMING CHART** section above.
For extended weed control or if weed germination is expected to occur into mid-winter, a second application at a rate of 4.54 lbs. per 1,000 sq. ft. can be made.

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 4.6 lbs. per 1,000 sq. ft. (0.046 lbs. active ingredient per 1,000 sq. ft.). See No. 2 in **APPLICATION TIMING CHART** section above.

SUMMER ANNUAL WEED CONTROL

For control of annual weeds which germinate in late spring and early summer.
Although classified as a summer grass, goosegrass normally germinates 4 to 6 weeks later than crabgrass. Foxtails and other summer grass species, certain broadleaf weeds such as prostrate and spotted spurge also germinate "late". For best results in controlling late germinating summer annuals, applications may be made up to 4 weeks later than for early germinating summer annuals. See No. 3 in **APPLICATION TIMING CHART** section above.
APPLICATION RATES AND TIMING: Apply in late spring or early summer to control summer annual weeds or late germinating summer annual species, respectively. Apply at a rate of 4.6 lbs. per 1,000 sq. ft. of turf area (0.046 lbs. active ingredient per 1,000 sq. ft.) 1 to 2 weeks before the expected time of weed seed germination.

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.

EQUIPMENT AND APPLICATION TECHNIQUES

Apply this product using a drop 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.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS

The Directions for Use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of company. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES

There are no warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

LIMITATIONS OF LIABILITY

The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid, or at company's election, the replacement of product.

