



961-360 12/11/2001 117
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Henry E Rohland
EPA Registration Manager
Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon, PA 17042

DEC 11 2001

Dear Mr. Rohland:

Subject: Lebanon Fertilizer with Dimension® (0.13) Crabgrass Control

EPA Registration Number 961-360
Application and Letter Dated September 27, 2001,
Request To Amend Registration To "Update Label to
Manufacturers Label and Provide More Clear
Instructions for Consumers"

The proposed labeling amendments have been reviewed and found to be acceptable amendments to the subject registration of this pesticide product under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, provided that you revise the propose labeling as described below:

1. On the front panel, the statement: "Dimension is a Registered trademark of Rohm & Haas Company." is incorrect. Revised this statement to reflect the present owner of this trademark.
2. In the New York restriction on the front panel, add "per year" to the limitation of dosimetry for Nassau and Suffolk Counties, to read "...however, no more than 6.4 lbs. per 1000 sq. ft. (0.25 lb. active ingredient per acre), per year, may be applied in Nassau and Suffolk Counties." Also, correct this in a similar statement on page 4 of this label.
3. As the proposed "Conditions of Sale and Warranty" clearly states remedies if this product causes any damages when used as directed or in the handling of the product, you must add a statement that the product should be returned in case the purchaser decides that he/she can not use the product as described on the labeling. A copy of the Uniform Commercial Codes that are applicable to the remedies

claimed are enclosed with an example of an acceptable warranty with limitation of remedies. This may also be done by restoring the front panel "Notice" that has been accepted for this labeling.

- 4. Revise the Confidential Statement of Formula (CSF) on EPA Form 8570-4 (Rev. 8-94) reflecting the source of each ingredient in this product, including the EPA Registration Number of your source of the active ingredient, dithiopyr. This must be completed within 90 days from the date of this letter.
- 5. Submit one (1) copy of the final printed label prior to your shipment of this pesticide product under the enclosed revised stamped label.

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,

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

Enclosures (2)

LEBANON FERTILIZER WITH DIMENSION® CRABGRASS CONTROL

Dimension® is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes.

ACTIVE INGREDIENTS:

*Dithiopyr	0.13%
OTHER INGREDIENTS	99.87%
TOTAL	100.00%

*This product contains 0.065 lb. of the active ingredient, dithiopyr, per 50 lb. bag.
Product protected by U.S. Patent No. 4,692,184. Other patents pending.
*Dimension is a registered trademark of Rohm & Haas Company.

EPA Reg. No. 961-360
Cas No. 97886-45-8

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

READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY ACCORDING TO LABEL INSTRUCTIONS.

In New York State, this product may only be used by Professional Applicators at no more than 8.8 lbs. per 1000 sq. ft. (0.5 lb. active ingredient per acre) per year; however, no more than 4.4 lbs. per 1000 sq. ft. (0.25 lb. active ingredient per acre) may be applied in Nassau and Suffolk Counties.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Back Panel for Additional Precautionary Statements.

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.)

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

ACCEPTED
with **COMMENTS**
In EPA Letter Dated
DEC 11 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
961-360

NET WEIGHT: XX LBS. (X.X kg)
COVERS: X,XXX Sq. Ft.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

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 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. In case of an emergency involving this product, call day or night (800) 424-9300.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

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

STORAGE AND DISPOSAL

STORAGE: Store this product only in its original container in a dry, cool, secured storage area. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PRODUCT DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures.

EMPTY CONTAINER DISPOSAL: Do not reuse bag. Completely empty bag into application equipment. Dispose of emptied bag(s) in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

SPILL: In case of spill, sweep up material and dispose of material according to "product disposal" directions listed above.

GENERAL INFORMATION

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. This product will not harm nearby established ornamentals when used according to label directions.

Turfgrass Safety

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

USE PRECAUTIONS

Cool-Season Grasses

- Bentgrass, creeping* (*Agrostis palustris*)
- Bluegrass, Kentucky (*Poa pratensis*)
- Fescue, fine** (*Festuca rubra*)
- Fescue, tall (*Festuca arundinacea*)
- Ryegrass, perennial (*Lolium perenne*)

Warm-Season Grasses

- Bahiagrass (*Paspalum notatum*)
- Bermudagrass (*Cynodon dactylon*)
- Buffalograss*** (*Buchloe dactyloides*)
- Carpetgrass (*Axonopus affinis*)
- Centipedegrass (*Eremochloa ophiuroides*)
- Kikuyugrass (*Pennisetum clandestinum*)
- St. Augustinegrass (*Stenotaphrum secundatum*)
- Zoysiagrass (*Zoysia japonica*)

* Use of this product on certain varieties of creeping bentgrass, such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested.

DO NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties.

** Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescue have been tested.

*** **DO NOT** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all turfgrass varieties for tolerance to Dimension. It is suggested that the user evaluate the response of turfgrass varieties to this product on a limited area, at recommended use rates, prior to initiating large-scale use.

RESEEDING, OVERSEEDING, OR SPRIGGING

Reseeding, overseeding, or sprigging of treated areas with this product should be delayed until 12 weeks from the time of application. Reseeding, overseeding or sprigging before 12 weeks after application may prevent establishment of desirable turfgrasses. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. If overseeding with perennial ryegrass in the fall, overseed 8 weeks or later after a single application. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

OTHER USE PRECAUTIONS

The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf or first tiller.

For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product. **DO NOT** apply this product until the grass has recovered from these cultural practices.

- **DO NOT** use clippings from treated turf for mulching around vegetables or fruit trees.
- Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

Control of Crabgrass

Preemergence and Early Postemergence Control

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass from the ground in established lawns and ornamental turfs.

It can also provide "early postemergence" control of crabgrass. Postemergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first see the crabgrass plants in the lawn or turf. The practical benefit of this product's early postemergence activity is that it can give the user a 2-4 week longer period of time to make applications to control crabgrass.

Application Frequency and Timing

This product may be applied as a single application or as a split application for crabgrass control in the spring, summer, or fall.

Spring Applications

For single applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the control programs listed in Table 1 below, depending on the user's location, the turfgrass mowing height, and whether the use is preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

- Use Program 1 (given in Table 1, below) for preemergence control at sites where the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.
- Use Program 2 for preemergence control at sites where (a) turfgrass is cut low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control of crabgrass.
- Where split fertilizer applications are recommended, a rate in Table 1 may be applied in two applications made 6-10 weeks apart and prior to crabgrass emergence.

Table 1: Recommended Application Use Rates For Crabgrass*
(Lbs. of this Product per 1,000 Sq. Ft.)

PROGRAM	1	2
USE	PREEMERGENCE	PREEMERGENCE
(turfgrass cut)	(high)	(low)
		POSTEMERGENCE
REGION		
North	2.2	4.4
Transition	3.2	6.4
South	4.4	8.8
Coastal South	6.4	8.8**

Fall Applications

This product can also be applied in the late summer or early fall (late August through November) at the use rates listed in Table 2 to provide control of crabgrass through the summer.

The fall application should be followed by an appropriate spring application to provide season-long control.

Table 2: Recommended Application Use Rates For Fall Applications
(Lbs. of Product/1000 Sq. Ft.)

REGION	Preemergence
North	6.4
Transition	8.8*
South	8.8*
Coastal South	8.8*

*DO NOT apply more than 8.8 lbs. of this product per 1000 sq. ft. per application, and no more than 26.4 lbs. of this product per 1000 sq. ft. per year.

In New York State, this product may only be used by Professional Applicators at no more than 8.8 lbs. per 1000 sq. ft. (0.5 lb. active ingredient per acre) per year; however, no more than 4.4 lbs. per 1000 sq. ft. (0.25 lb. active ingredient per acre) may be applied in Nassau and Suffolk Counties.

Postemergence control is limited; see "Crabgrass Control" and "Precautions" sections above. Regions include areas listed below.

- North:** All other areas.
- Transition:** DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, and coastal areas of CT, NY, and RI.
- South:** AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, and TX.
- Coastal South:** HI, FL, and southern coastal areas of AL, GA, LA, MS, NC, SC, and TX.

**** May require split or sequential applications for full control.**

Tips for Improved Control

For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.

When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result.

Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

Control of Other Grass and Broadleaf Weeds

Spring Applications

Used as directed for crabgrass control in the spring (Table 1), this product will also control or suppress the following weeds when applied prior to their emergence:

Barnyardgrass	Goosegrass	Smutgrass	Purslane (common)
Bluegrass (annual, roughstalk)	Kikuyugrass	Lespedeza (common)	Speedwell (corn)
Crowfootgrass	Ryegrass (annual & perennial)	Oxalis (buttercup, creeping & yellow woodsorrel)	Spurge (prostrate & upright)
Foxtail (yellow & green)*			

*Also controlled at the Program 2 rates.

Fall Applications

Used as directed for late summer or early fall use, for crabgrass control through the early part of the next spring (Table 2), this product will also control or suppress the following weeds when applied prior to their emergence:

Bluegrass (annual, roughstalk)	Chickweed	Geranium (Carolina)	Pineappleweed
Bittercress	Henbit	Parsley-piert	Shepherdspurse

APPLICATION EQUIPMENT INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

SUGGESTED SPREADER SETTINGS

[Note: Registrant/Subregistrant may insert appropriate spreader setting information based on desired spreaders and recommended use rates.]

CONDITIONS OF SALE AND WARRANTY

The Manufacturer warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of the Manufacturer and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL THE MANUFACTURER OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

Additional Labeling Requirements:

If the fertilizer guarantee contains iron, the following statement must appear:

This product contains the secondary nutrient iron. Iron may stain concrete and should not be applied on dry or water dampened concrete and should be removed from these areas promptly after application by sweeping or blowing. Do not wash off with water.

If the recommended use rate applies less than 1 pound nitrogen per 1,000 sq. ft. per application, the following statement must appear:

Supplemental applications of lawn fertilizer are needed to achieve a minimum 1 pound nitrogen per 1,000 sq. ft.

For products distributed in the State of Washington, the following statement must appear:

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-lebsea.com>