

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

TERM OF ISSUANCE  
Conditional

NAME OF PESTICIDE PRODUCT  
Lebanon Crab-Buster  
Plus Lawn Food

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Lebanon Chemical Corporation  
P.O. BOX 180, 1600 E. Cumberland St.  
Lebanon, PA 17042

**NOTE:** Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(C) provided that you:

1. Add the phrase "EPA Registration No. 961-368" to the label before you release the product for shipment.
2. Submit five (5) copies of the final printed labeling before you release the product for shipment.
3. Add the statement "FOR HOMEOWNER USE ONLY" to the front panel following the name of this product.

And provided that Monsanto Company, the manufacturer of the active ingredient of this product, submits the required data to continue the registration of dithiopyras listed in the EPA Fact Sheet No. 223.

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 of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

**BEST AVAILABLE COPY**

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

Enclosure

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

MAY 5 1994

LB. NET WEIGHT ( Kg)

# LEBANON CRAB-BUSTER® PLUS LAWN FOOD

## FERTILIZER ANALYSIS

Total Nitrogen (N)		23%
Ammoniacal Nitrogen	6.0%	
Urea Nitrogen	17.0%	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )		6%
Soluble Potash (K <sub>2</sub> O)		11%

**NUTRIENT SOURCES:** Urea, Sulfur Coated Urea, Di-Ammonium Phosphate, Muriate of Potash, Methylene Urea. Sulfate of Potash.

### ACTIVE INGREDIENTS:

Dithiopyr\*: 3,5-pyridinedicarbothioic acid,  
 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-  
 S,S,-dimethyl ester 0.06%

**INERT INGREDIENTS:** 99.94%

**TOTAL:** 100.00%

(L) (D)

EPA Reg. No. 961- EPA Est. 961-PA-01:961-IL-01  
 Superscript used is first letter of lot number.

Crab-Buster® is a registered trademark of Monsanto Company  
 \* This product contains .03 lb. of active ingredient, dithiopyr, per 50 lb. bag.  
 Product protected by U.S. Patent No. 4,692,184. Other patents pending.  
 Crab-Buster® is a selective herbicide that provides preemergence control of listed annual grasses and broadleaf weeds in established cool and warm-season turfgrasses in lawns and ornamental turf.

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

ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated

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MAY 5 1994  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
961-368

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

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

# **CAUTION**

**KEEP OUT OF REACH OF CHILDREN**

**HARMFUL IF INHALED**

**See Back Panel for Additional Precautionary Statements**

**MANUFACTURED BY**

**Lebanon Chemical Corporation**

**Lebanon, PA 17042**

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**Lebanon Crab-Buster® Plus Lawn Food**

**981-**

**04/26/94**

4/8/10

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**KEEP OUT OF REACH OF CHILDREN**

**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**, immediately flush with plenty of water. Get medical attention if irritation persists.

**IF INHALED**, remove individual to fresh air. Seek medical attention if breathing difficulty develops.

In case of emergency involving this product, call day or night, 1-800-424-9300.

**ENVIRONMENTAL HAZARDS**

This pesticide 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.

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## DIRECTIONS FOR USE

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

For information on use of this product, call 1-800-233-0628.

### STORAGE AND DISPOSAL

**STORAGE:** Store this product in its original container in a dry, cool, secured storage area. **PRODUCT DISPOSAL:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions. If it is necessary to dispose of a partially filled bag, securely wrap the bag in several layers of newspaper and discard in the trash.

### GENERAL INFORMATION

This product is a selective herbicide that provides preemergence control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turf. This product will not harm nearby established ornamentals when used according to label directions.

### USE PRECAUTIONS

#### 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- 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:

#### Cool-Season Grasses

Bentgrass, creeping  
Bluegrass, Kentucky  
Fescue, fine  
Fescue, tall  
Ryegrass, perennial

#### Warm-Season Grasses

Bahiagrass      Kikuyugrass  
Bermudagrass    St. Augustinegrass  
Buffalograss    Zoysiagrass  
Carpetgrass  
Centipedegrass

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**Reseeding or Sprigging:** Reseeding, overseeding or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrass. When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. 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. **DO NOT APPLY THIS PRODUCT IF CRABGRASS IS PAST THE FOURTH LEAF STAGE.**

- ✓ For best results, cultural practices that disturb the soil, such as core aeration or verticutting, should be done before application of this product. **DO NOT** apply this product until the grass has recovered from these cultural practices.
  - ✓ Apply this product directly to established lawns or ornamental turfs only. **DO NOT** apply to flowers, vegetables, shrubs or trees.
  - ✓ **DO NOT** use clippings from treated turf for mulching around vegetables or fruit trees.
  - ✓ **DO NOT** apply this product to pastures.
  - ✓ Keep people and pets off treated areas until dust has settled.
- FOR HOMEOWNER USE ONLY.**

**APPLICATION DIRECTIONS**

**CONTROL OF CRABGRASS**

**Preemergence and Early Postemergence Control**

- ✓ This product provides "preemergence" control of crabgrass (both large and smooth 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 during the early stages of crabgrass growth prior to the fifth leaf stage, after the crabgrass has emerged from the ground. However, it is often difficult to identify the very small, early stages of crabgrass in well-established lawns and ornamental turfs.
- ✓ So the practical benefit of the product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2-4 week longer period of time to make applications and still control crabgrass.

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**Application Timings**

- ✓ This product may be applied as a spring application or as a sequential application for crabgrass control. **DO NOT** apply more than 19.3 lbs. of this product/1,000 sq. ft. per year.
- ✓ Applications may be made in the spring and in the fall.

**Length of Control**

- ✓ The length of time of residual weed control provided by this product is directly related to the total rate applied.
- ✓ Depending on the desires of the user, this product may be applied at the use rates recommended in Table 1 below for the user's particular region to get 2-3 months of weed control. or it may be applied at rates listed in Table 2 below to get 3-5 months of control from date of application.
- ✓ The actual length of control will vary somewhat depending on weather, weed pressure and the user's location within the North or South region.

**Table 1:**

Recommended Use Rates for 2-3 Months of Crabgrass Control\*  
(lbs. of this product/1,000 sq. ft.)

<u>REGION</u>	<u>EARLY</u>	
	<u>PREEMERGENCE</u>	<u>POSTEMERGENCE</u>
<u>North</u>	<u>3.5</u>	<u>7.0</u>
<u>South</u>	<u>7.0</u>	<u>14.0</u>

**Table 2:**

Recommended Use Rates for 3-5 Months of Crabgrass Control\*  
(lbs. of this product/1,000 sq. ft.)

<u>North</u>	<u>4.8</u>	<u>9.6</u>
<u>South</u>	<u>9.6</u>	<u>19.3</u>

\*South: Includes AL, AR, AZ, CA, FL, GA, HI, LA, MS, NC, NM, NV, OK, SC, TN, TX & VA  
North: Includes all other states

**DO NOT** apply more than 19.3 lbs. of this product/1,000 sq. ft. per year. Early postemergence control is limited; see the "Crabgrass Control" and "Precautions" sections above.



**Spring Applications**

- ✓ When applied in the spring, an application of this product at the appropriate "preemergence" rate listed in Table 1 above will provide control of crabgrass for 2-3 months after application.
- ✓ Use the preemergence rate listed in Table 2 when the application is made very early in the spring (mid-February to mid-April) and longer control is required.
- ✓ Alternatively, a second ("sequential") application at the preemergence rate listed in Table 1 can be made 6-8 weeks after an early first application at the same rate to provide extended control where sequential fertilizer applications are recommended.
- ✓ When crabgrass has (or is likely to have) already emerged from the ground in your area and early postemergence control of crabgrass is desired, use the appropriate "early postemergence" rate listed in Table 1.
- ✓ Use the early postemergence rate listed in Table 2 when crabgrass has already emerged, but it is still relatively early in the spring.
- ✓ The fall application should be followed by a mid-to-late spring application at the appropriate early postemergence rate to provide season-long control.

**Fall Applications**

- ✓ This product can also be applied in the late summer or early fall (late August through October) at the preemergence use rates listed in Table 2 to provide control of crabgrass through the early part of the next spring.

**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.

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## CONTROL OF OTHER GRASS AND BROADLEAF WEEDS

### Spring Applications

When applied as directed for crabgrass control in the spring, this product will also control (at the "early postemergence" rates) or suppress (at the "preemergence" rates) the emergence of the following weeds:

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

\*Also controlled at the preemergence rates.

### Fall Applications

When applied as directed for early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "early postemergence" rates) or suppress (at the "preemergence" rates) the emergence of these weeds:

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

## APPLICATION EQUIPMENT AND 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.

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### LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label pamphlet ("Directions") when used in accordance with those Directions under the conditions described herein. **NO OTHER EXPRESSED WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE.** This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise. Notice of these claims may be made by calling 1-800-233-0628.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, application in any manner not explicitly set forth in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

**THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY.**

**IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.**

Buyer and all users are deemed to have accepted the terms of this **LIMIT OF WARRANTY AND LIABILITY** which may not be varied by any verbal or written agreement.

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