

DITHIOPYR    GROUP 3    HERBICIDE

# Lebanon<sup>®</sup> Pro



FERTILIZER with

## DIMENSION<sup>®</sup> 0.19% Pre & Postemergence Annual Grassy Weed Control

# 20-0-3

### GUARANTEED ANALYSIS

**Total Nitrogen (N)** ..... **20%**  
     20% Urea Nitrogen\*

**Soluble Potash (K<sub>2</sub>O)** ..... **5%**



Derived From: polymer coated urea, urea, muriate of potash

\*10.0% Slowly available nitrogen from polymer coated urea.  
 Chlorine (Cl) not more than ..... 2.0%

**22-41043**  
 A/23                      F699

#### SUGGESTED SPREADER SETTINGS

Spreader	3 lbs. /1,000 sq. ft.	4.5 lbs. /1,000 sq. ft.	Spreader	3 lbs. /1,000 sq. ft.	4.5 lbs. /1,000 sq. ft.
LebanonTurf	4½	5	Lesco (letter/Numeric)	i/17	J/21
Andersons AccuPro	K	N	PennMulch HVO	L	N
Earthway Rotary	15	17	ProScape SS	L	N
Gandy	26	29	Spyker	4½	5
Lely	5 II	6 II	Vicon (all models)	24	28

**These settings were calibrated and field tested. However, age and condition of spreader, speed of operation and evenness of terrain may require slightly different settings for desired coverage.**

PennMulch<sup>®</sup> and ProScape<sup>®</sup> are registered trademarks of Lebanon Seaboard Corporation.

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

Dimension<sup>®</sup> 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.

<b>ACTIVE INGREDIENT:</b>	(L)	(D)
*Dithiopyr .....	0.19%	EPA Reg. No. 961-361
<b>OTHER INGREDIENTS:</b> .....	99.81%	EPA Est. No. 961-PA-01:961-IL-01
<b>TOTAL</b> .....	<b>100.00%</b>	Cas No. 97886-45-8
		Superscript used is first letter of lot number.

\*This product contains 0.095 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 Dow AgroSciences LLC.

**READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT. USE ONLY ACCORDING TO LABEL INSTRUCTIONS.**  
**Before buying this product, read the Warranty Section elsewhere on this label. If terms are not acceptable, return the unopened container to the place of purchase at once.**

In New York State, this product may only be used by Professional Applicators at no more than 6.1 lbs. per 1,000 sq. ft. (0.5 lb. active ingredient per acre) per year and is prohibited for use in Nassau and Suffolk Counties.

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

### 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	
<b>IF IN EYES:</b>	• 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.
<b>IF INHALED:</b>	• 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. For Emergency Medical Information, call (888) 208-1368. For any other 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.**

#### PRODUCT INFORMATION

This product is a selective herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds as listed 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.

#### WEED RESISTANCE MANAGEMENT

For resistance management, Lebanon Pro Brand Fertilizer with Dimension 0.19% Pre & Postemergence Annual Grassy Weed Control is a Group 3 herbicide. Any weed population may contain certain or develop plants naturally resistant to Lebanon Pro Brand Fertilizer with Dimension 0.19% Pre & Postemergence Annual Grassy Weed Control and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:  
 Rotate the use of Lebanon Pro Brand Fertilizer with Dimension 0.19% Pre & Postemergence Annual Grassy Weed Control or other Group 3 herbicides within a growing season with different herbicide groups that control the same weeds.

Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment. If weed population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.

Contact your sales representative, pest control advisors, or local extension specialist for additional pesticide resistance management and/or integrated weed management recommendations for specific types of plants and weed biotypes.

#### 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-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

Apply this product 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:

<b>Cool-Season Grasses</b>	<b>Warm-Season Grasses</b>	
Bentgrass, creeping* ( <i>Agrostis palustris</i> )	Bahiagrass ( <i>Paspalum notatum</i> )	Centipedegrass ( <i>Eremochloa ophiuroides</i> )
Bluegrass, Kentucky ( <i>Poa pratensis</i> )	Kikuyugrass ( <i>Pennisetum clandestinum</i> )	Kikuyugrass ( <i>Pennisetum clandestinum</i> )
Fescue, fine** ( <i>Festuca rubra</i> )	Buffalograss*** ( <i>Buchloe dactyloides</i> )	St. Augustinegrass ( <i>Stenotaphrum secundatum</i> )
Fescue, tall ( <i>Festuca arundinacea</i> )	Carpetgrass ( <i>Axonopus affinis</i> )	Zoysiagrass ( <i>Zoysia japonica</i> )
Ryegrass, perennial ( <i>Lolium perenne</i> )		

\* 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: 'Atlantat', '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 seeding 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 the listed rates, prior to initiating large-scale use.

#### RESEEDING, OVERSEEDING, OR SPRIGGING

Reseeding, overseeding, or sprigging of treated areas with this product is to 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 reseeded or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization are to 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, are to 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 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 is to 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 (given in Table 1, below) 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 to be used, a rate in Table 1 may be applied in two applications made 6-10 weeks apart and prior to crabgrass emergence.

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

PROGRAM USE (turfgrass cut)	1	2
	PREEMERGENCE (high)	PREEMERGENCE (low)
		<b>POSTEMERGENCE</b>
<b>REGION</b>		
North	N.P. ***	3.0
Transition	2.2	4.5
South	3.0	6.1
Coastal South	4.5	6.1**

#### 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: Application Use Rates For Fall Applications  
 (Lbs. of Product per 1,000 Sq. Ft.)

REGION	Preemergence
North	4.5
Transition	6.1*
South	6.1*
Coastal South	6.1*

\*DO NOT apply more than 6.1 lbs. of this product per 1,000 sq. ft. per application, and no more than 18.2 lbs. of this product per 1,000 sq. ft. per year.

In New York State, this product may only be used by Professional Applicators at no more than 6.1 lbs. per 1,000 sq. ft. (0.5 lb. active ingredient per acre) per year, and is prohibited for use in Nassau and Suffolk Counties. Postemergence control is limited; see "Control of Crabgrass" and "Precautions" sections above. Regions include areas listed below.

<b>North:</b>	All other areas.
<b>Transition:</b>	DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, and coastal areas of CT, NY, and RI.
<b>South:</b>	AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, and TX.
<b>Coastal South:</b>	HI, FL, and southern coastal areas of AL, GA, LA, MS, NC, SC, and TX.
	** Use split or sequential applications for full control.
	*** N.P. - This product is Not for Use in this program.

#### 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	Oxalis (buttercup, creeping & yellow woodsorrel)	Smutgrass
Bluegrass (annual, roughstalk)	Kikuyugrass	Purslane (common)	Speedwell (corn)
Crowfootgrass	Lespedeza (common)	Ryegrass (annual & perennial)	Spurge (prostrate & spotted)
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	Henbit	Pineappleweed
Bittercress	Geranium (Carolina)	Parsley-piert	Shepherd's purse

#### 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 listed 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.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.  
**PESTICIDE STORAGE:** Store product in its original container in a cool, dry, locked place out of the reach of children and animals.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.  
**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

#### Warranty

**NOTE:** To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.

For technical assistance or more information about our products visit: [www.LebanonTurf.com](http://www.LebanonTurf.com)

Manufactured by:  
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 800-233-0628 • (717) 273-1685  
 Made in the U.S.A.  
[www.LebanonTurf.com](http://www.LebanonTurf.com)

# Net Weight: 50 LBS. (22.7 kg)