

# Lebanon

# BALAN\* 2.5 G



Lebanon BALAN\* 2.5 G is a selective preemergence herbicide for the control of crabgrass and most other annual weed grasses on lawns and golf courses in established:

- |                       |                |                    |
|-----------------------|----------------|--------------------|
| Bluegrass (perennial) | Bahiagrass     | St. Augustinegrass |
| Ryegrass (perennial)  | Bermudagrass   | Zoysiagrass        |
| Fescue                | Centipedegrass |                    |

**ACTIVE INGREDIENT:**

Benefin ..... 2.5%

**OTHER INGREDIENTS:** ..... 97.5%

**TOTAL** ..... 100.0%

Contains 1 pound active ingredient per 40 pound bag.

EPA Reg. No. 961-268  
\*Trademark of Dow AgroSciences LLC.  
Benefin CAS. No. 1861-40-1

(L) (D)  
EPA Est. No. 961-PA-01:961-IL-01  
Superscript used is first letter of lot number.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See back panel for additional Precautionary Statements.

**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.**

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, skin or clothing.

### 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 ON SKIN OR CLOTHING:**
  - 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 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 a poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.
- IF INHALED:**
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by 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 technical assistance or more information about our products visit [www.LebanonTurf.com](http://www.LebanonTurf.com)

Manufactured by:

**Lebanon Seaboard Corporation**  
1600 E. Cumberland St. • Lebanon, PA 17042

Made in the U.S.A.  
[www.LebanonTurf.com](http://www.LebanonTurf.com)

NET WT. 40 LBS. (18.14 KG)  
TREATS 29,040 SQ. FT.

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Fescue

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Bermudagrass  
Centipedegrass

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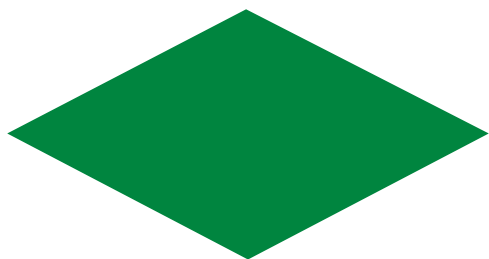
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**NET WT. 40 LBS. (18.14 KG)**

**TREATS 29,040 SQ. FT.**



# Lebanon *BALAN*\* 2.5 G

## Personal Protective Equipment (PPE)

All loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Socks plus shoes, and
- Chemical-resistant gloves made of any waterproof material.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## User Safety Recommendations

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater, marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner that will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. 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 washwater or rinsate. Drift and runoff may be hazardous to aquatic organism in water adjacent to treated areas.

## 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 plants 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 modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.**

Application Restrictions: Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during applications.

Entry Restrictions: This product must be watered-in as soon as possible after application. Do not enter or allow other people (or pets) to enter the treated area until dusts have settled. Except for those people involved in the watering-in, do not enter or allow other people (or pets) to enter the treated areas until the watering-in is complete and the surface is dry.

## GENERAL INFORMATION

This product contains a preemergence herbicide which is applied to established turfgrasses for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass, goosegrass (silver crabgrass or crowfoot), barnyardgrass (watergrass) and green and yellow foxtail. This product controls these annual weeds by killing their seeds as they germinate. Apply product before these annual weeds begin to germinate since it does not control established weeds.

## GENERAL USE PRECAUTIONS & RESTRICTIONS

Apply this product to the turf prior to the germination of weed grasses since it will not control established weeds. This product may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 60 lbs. per acre (1.5 lbs. active ingredient) or 1.38 lbs. per 1,000 sq. ft.. This product should not be applied in the spring to turfgrasses planted the previous fall. In bermudagrass areas that have been over-seeded with winter grasses, a spring application of this product may thin the over-seeded grasses. Because of varying cultural practices, this product should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass or centipedegrass until these turfs are well established.

Cool Season Turf: Maximum of 1.5 lbs. a.i. per acre per application. Maximum of 2 applications per year. Maximum of 3 lbs. a.i. per acre per year.

Warm Season Turf: Maximum of 3 lbs. a.i. per acre per application. Maximum of 2 applications per year. Maximum of 6 lbs. a.i. per acre per year.

## APPLICATION DIRECTIONS AND RATES

Rates, Frequency and Timing of Application

Successful preemergence control of the annual grass weeds listed on this label requires proper timing of application.

Apply this product approximately 1 to 2 weeks prior to the germination of annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grass weeds listed on this label, weed control results may be erratic or poor. Optimum weed control performance will be obtained if treated areas are irrigated soon after application.

Apply this product to turf before the germination of annual grass weeds. General times of application are discussed below for each type of weed. Precise time of application for a specific area will vary because of climate and individual cultural practices. Consult Experiment Station or Extension Service Weed Specialist for additional information regarding specific weed germination in your area.

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

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1. Spring Germinating Summer Annual Grasses - Crabgrasses, Foxtails and Barnyardgrass

A. Northern (Cool Season) Turfgrasses

For preemergence control apply 60 lbs. per acre (1.5 lbs. active ingredient) or 1.38 lbs. per 1,000 sq. ft. of this product in the spring, prior to the onset of conditions favorable for annual weed grass seed germination.

B. Southern (Warm Season) Turfgrasses

For preemergence control apply 80 to 120 lbs. per acre (2 to 3 lbs. active ingredient) or 1.84 to 2.76 lbs. per 1,000 sq. ft. of this product in the late winter or early spring, prior to annual weed grass seed germination.

In areas of the United States where germination of the annual weed grass species continues for extended periods of time, a second application of this product at the recommended rate may be made 8 to 10 weeks after initial treatment for continued control.

2. Late Spring, Early Summer Germinating Annual Grasses - Goosegrass

Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than crabgrass, foxtails and other summer annual grass species. Applications of this product should, therefore, be timed accordingly.

A. Northern (Cool Season) Turfgrasses

For preemergence control, apply 60 lbs. per acre (1.5 lbs. active ingredient) or 1.38 lbs. per 1,000 sq. ft. of this product in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass.

B. Southern (Warm Season) Turfgrasses

For preemergence control, apply 80 to 120 lbs. per acre (2 to 3 lbs. active ingredient) or 1.84 to 2.76 lbs. per 1,000 sq. ft. of this product in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass.

3. Northern and Southern Turfgrasses

In areas of the United States where preemergence control of both early germinating annual grasses (crabgrass, foxtails and barnyardgrass) and the later germinating goosegrass is desired, two applications of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

4. Annual bluegrass (Poa annua) control

In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in thin turfgrass areas. Proper fertilization, irrigation and soil incorporated reseeding will encourage existing desirable turfgrasses and newly planted seedling turfgrasses to fill in these thin areas previously occupied by annual bluegrass.

A. Northern (Cool Season) Turfgrasses

For preemergence control apply 60 lbs. per acre (1.5 lbs. active ingredient) or 1.38 lbs. per 1,000 sq. ft. of this product in late summer to early fall, or in early spring 1 to 2 weeks prior to the expected germination of annual bluegrass.

B. Southern (Warm Season) Turfgrasses

For preemergence control apply 120 lbs. per acre (3 lbs. active ingredient) or 2.76 lbs. per 1,000 sq. ft. of this product in late summer to early fall 1 to 2 weeks prior to the expected germination of annual bluegrass. In areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application of this product at 120 lbs. per acre or 2.76 lbs. per 1,000 sq. ft. can be made 10 to 12 weeks after the initial treatment

**RESEEDING**

Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying this product. When reseeding, it is necessary that proper cultural practices, such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using this product, the amount of seed used should be increased and equipment designed to place seed in contact with the soil should be employed. To insure satisfactory results after using this product, the amount of seed used should be increased. When using this product at the higher rate to control annual bluegrass (Poa annua) and other annual grasses, reseeding should be delayed 12 to 16 weeks after application.

**APPLICATION**

Apply this product evenly over the turf area without skips or misses. A more uniform application can be made by spreading half the required amount of this product over the area and then applying the remaining half at right angles or crosswise. Both drop-type and rotary-type spreaders may be used to apply this product. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

**SUGGESTED SPREADER SETTINGS**

Spreader	Settings			Spreader	Settings		
	1.38 #/1000 Sq. Ft.	1.84#/1000 Sq. Ft.	2.76#/1000 Sq. Ft.		1.38 #/1000 Sq. Ft.	1.84#/1000 Sq. Ft.	2.76#/1000 Sq. Ft.
LebanonTurf	1½	2	2½	Lesco (letter/numerical dial)	D/10	G/15	H/16
Anderosons AccuPro	F	H	J	PennMulch HVO	E	J	K
Earthway Rotary	14	15	16	ProScape SS	E	J	K
Gandy	25	29	31	Spyker	1½	2	2½
Lely (HR, W,1250,1500,2010)	5½II	6½II	7II	Vicon (all models)	18	24	25

NOTE: Above spreader settings are approximate. Check your spreader on 100 sq. ft. and adjust to apply only 2.2 oz. per 100 sq. ft. Rate of walk, moisture and spreader condition can vary the spreader setting necessary to apply the correct amount.

**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 Disposal:** 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**

**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 must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop 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 Lebanon Seaboard Corporation. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, LEBANON SEABOARD CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Lebanon Seaboard Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Lebanon Seaboard Corporation DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, 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 LEBANON SEABOARD CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

**24-40836**

**MANUFACTURED BY:**  
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 LEBANON, PA 17042  
 www.LebanonTurf.com



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