



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 26, 2021

John F. Wright  
Authorized Representative  
Lebanon Seaboard Corporation  
1600 East Cumberland Street  
Lebanon, PA 17042

Subject: Registration Review Label Mitigation for Prodiamine  
Product Name: LEBANON FERTILIZER WITH BARRICADE (0.43%)  
PREEMERGENCE WEED CONTROL (16-0-5)  
EPA Registration Number: 961-362  
Application Dates: 7-10-2019  
Decision Numbers: 553142

Dear Mr. Wright:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Prodiamine Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2  
EPA Reg. No. 961-362  
Decision No. 553142

If you have any questions about this letter, please contact DeMariah Koger by phone at 703-347-0425, or via email at [koger.demariah@epa.gov](mailto:koger.demariah@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

# LEBANON FERTILIZER WITH BARRICADE®

## (0.43%) PREEMERGENCE WEED CONTROL(16-0-5)

[Alternate Brand Names:

- LEBANON FERTILIZER WITH BARRICADE (0.43%) PREEMERGENCE WEED CONTROL
- LEBANON PROSCAPE FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL
- LEBANON PROSCAPE FERTILIZER WITH BARRICADE 0.43%
- LEBANON PRO BRAND FERTILIZER WITH PRODIAMINE 0.43% PREEMERGENCE WEED CONTROL
- LEBANON PRO BRAND FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL
- LEBANON PRO BRAND FERTILIZER WITH BARRICADE (0.43%)
- LEBANON PROSCAPE HOMOGENEOUS FERTILIZER WITH BARRICADE .43% PREEMERGENCE WEED CONTROL
- LEBANON TURF PROSCAPE MESA BARRICADE .43% PREEMERGENCE WEED CONTROL
- LEBANON COUNTRY CLUB FERTILIZER WITH BARRICADE (0.43%)
- LEBANON TURF COUNTRY CLUB FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL
- TURFGRASS FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL
- TURFGRASS FERTILIZER WITH PRODIAMINE 0.43% PREEMERGENCE WEED CONTROL
- LEBANON PROSCAPE FERTILIZER WITH PRODIAMINE 0.43% PREEMERGENCE WEED CONTROL]

**ACTIVE INGREDIENT:**

Prodiamine..... 0.43%

**OTHER INGREDIENTS:** ..... 99.57%

**TOTAL** .....100.00%

(L) (D)

EPA Reg. No. 961-362

EPA Est. No. 961-PA-01:961-IL-01

Barricade® is a Registered Trademark of a Syngenta Group Company.

Superscript used is first letter of lot number.

ProScape and Mesa are registered trademarks of Lebanon Seaboard Corporation

**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.**

**GUARANTEED ANALYSIS**

Nitrogen 32% (N)  
 Phosphorus 4% (P<sub>2</sub>O<sub>5</sub>)  
 Potassium 6% (K<sub>2</sub>O)

Nitrogen from: Urea formaldehyde, Urea, Ammonia.

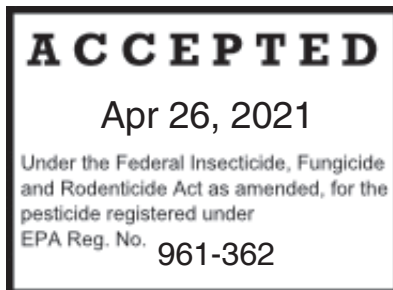
For selective preemergence control of grass and broadleaf weeds as listed in:

- established turfgrasses (excluding golf course putting greens) and lawns
- landscape ornamentals (including established perennials & wildflower plantings)

**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

See back panel for First Aid and additional Precautionary Statements

**MANUFACTURED BY:** [Distributed by:] [Produced for:]  
**LEBANON SEABOARD CORPORATION**  
**1600 EAST [E.] CUMBERLAND STREET**  
**LEBANON, PA 17042**  
**www.lebsea.com**  
**[1-800-233-1067] [(717) 273-1685]**  
**Made in the USA.**



**Covers [X,XXX] Square Feet [SQUARE FEET] [SQ. FT.] [Sq. Ft.]**  
**Net Weight: [Net Wt.:] xx lbs. [LBS.] [POUNDS] (xx.x kg) [(XX.X KG)]**  
**Treats: XX,XXX Sq.Ft. [SQ.FT.] [Square Feet] [SQUARE FEET]**  
**Net Content:**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact while handling the material may cause allergic reactions 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 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 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. You may also contact (888) 208-1368 for emergency medical treatment information.

**ENVIRONMENTAL HAZARDS**

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

**If material is spilled:** Contain and sweep up material of spill for disposal or use per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water-in remainder, disc under, cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants not listed on this label and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions.

**DIRECTIONS FOR USE**

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

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] is a selective pre-emergence herbicide that provides residual control of many listed grass and broadleaf weeds in established turfgrasses (excluding golf course putting greens) and lawns, landscape ornamentals, established perennials and wildflower plantings.

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1-2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Not for use on plants being grown (1) for sale or other commercial use, (2) for commercial seed production, or (3) 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.

Do not graze or feed livestock forage cut from areas treated with [LEBANON FERTILIZER WITH BARRICADE 0.43% PRE-EMERGENCE WEED CONTROL or this product.].

Do not apply this product through any type of irrigation system.

Do not apply aerially.

Do not apply to golf course putting greens.

## WEED RESISTANCE MANAGEMENT

For resistance management, Lebanon Fertilizer with Barricade 0.43% Preemergence Weed Control is a Group 3 herbicide. Any weed population may contain certain or develop plants naturally resistant to Lebanon Fertilizer with Barricade 0.43 Preemergence 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 Lebanon Fertilizer with Barricade 0.43% Preemergence Weed Control or other Group 3 herbicides within a growing season with different herbicide groups that control the same weeds.

Adopt an intergrated weed management program for herbicide use that includes scouting and uses historical information related to herbicide use, and that considers cultural, biological varieties and other turf management practices.

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.

## APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

### ESTABLISHED TURF

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL This product] is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf-grasses and lawns. The maximum amount of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] that may be applied per year is given for each turfgrass species in the **Maximum Annual Rates** section of this label.

Most effective weed control in turfgrasses will be obtained when [LEBANON FERTILIZER WITH BARRICADE 0.43% PRE-EMERGENCE WEED CONTROL or this product] is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

## CRABGRASS SEED GERMINATION DATES



### Approximate Date

-  After May 30
-  After May 10
-  After April 20
-  After March 20
-  January 1 to March 20

## USE PRECAUTIONS

The following precautions apply to the use of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] in turfgrasses and lawns:

Application of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] may thin emerged annual bluegrass and newly overseeded grasses.

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

Do not apply to newly set sod until the following year.

Application of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] to turf stressed by drought, low fertility, or pest damage may result in turf injury.

Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.

Do not apply [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

## RATES OF APPLICATION

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] will not control established weeds.

Maximum use rate selection must be based on turf species. The length of time of residual weed control provided by [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is related to the rate applied.

## MAXIMUM ANNUAL RATES

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is for use on the turfgrass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

### MAXIMUM APPLICATION RATE/CALENDAR YEAR of LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL by Turfgrass Species<sup>1)</sup>

Turf Species:	Lbs. Product/Acre	Lbs. Product/1,000 Sq. Ft.	Lbs. AI/Acre
Bermudagrass <sup>2)</sup> , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including turf-type), Zoysia	349	8.0	1.5
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	233	5.3	1.0
Creeping Red Fescue	175	4.0	0.75
Creeping Bentgrass	150	3.4	0.65

<sup>1)</sup>These are the maximum rates per calendar year by species limitations.

<sup>2)</sup>May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 121 lbs./Acre. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

- Do not apply more than 349 lbs. of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] per calendar year.
- Use higher rates of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the **Maximum Annual Rates Table**.

## WEEDS CONTROLLED

When used in accordance with this label [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] will provide control of the following weeds:

Barnyardgrass	Cupgrass, Woolly	Kochia	Shepherd's Purse <sup>2)</sup>
Bluegrass, Annual ( <i>Poa annua</i> )	Foxtails, Annual	Lambsquarter, Common	Signalgrass, Broadleaf
Carpetweed	Goosegrass <sup>1)</sup>	Lovegrass	Speedwell, Persian
Chickweed, Common	Henbit	Panicum (Texas, Fall, Browntop)	Sprangletop
Chickweed, Mouseear (from seed)	Itchgrass	Pigweed	Spurge, Prostrate
Crabgrass (large, smooth)	Johnsongrass (from seed)	Purslane, Common	Witchgrass
Crowfootgrass	Junglerice	Pusley, Florida	Woodsorrel, Yellow (from seed)
	Knotweed	Rescuegrass <sup>3)</sup>	

1)In many areas a single application of 150 to 349 lbs./Acre of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL Lor this product] will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 150 to 233 lbs./Acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the **Maximum Annual Rate Table**. Do not exceed the maximum rate for turfgrass species listed in the **Maximum Annual Rate Table** above.

2)Apply this product in late summer, fall or winter prior to germination.

3)Suppression only.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates listed for each turf species. All applications must be made prior to germination of the weed seeds.

### WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product]is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

### WHEN TO OVERSEED AFTER APPLICATION

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL Rate (lb./A)		Months Before Overseeding			
Product	AI	North	Transition	South	
116	.50	4	4	4	
150	.66	5	4	4	
175	.74	6	5	5	
185	.80	---	6	6	
233	1.00	---	7	7	
265	1.14	---	---	9	
302	1.30	---	---	10	
349	1.50	---	---	12	

### LANDSCAPE ORNAMENTALS

(including Established Perennials and Wildflower Plantings)

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] may be applied for residual preemergence weed control in ornamentals.

### USE RATES

Apply [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] at 150 to 349 lbs./Acre in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications are to be made so long as the total amount of product applied does not exceed the maximum annual application rate of 349 lbs./Acre.

### APPLICATION TIMING AND INFORMATION

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inches) mechanical incorporation, prior to weed seed germination and within 14 days following application.

Best weed control is obtained when[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product], control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

### ESTABLISHED LANDSCAPE ORNAMENTALS

Apply [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] in the fall and/or spring to established ornamentals as a broadcast, over the top or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] in the soil.

### NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

Apply[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] in the fall and/or spring to newly transplanted ornamentals as a broadcast, over the top or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL. or this product]. Apply [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] after cuttings form roots and become established. Apply before budding/grafting or after buds/grfts have taken to avoid any inhibition of the tissue union.

**TOLERANT ORNAMENTAL SPECIES**

[LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product]. Best results will be obtained when [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product] is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on the soil surface. Apply [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or This product] over the top of these species.

When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to [LEBANON FERTILIZER WITH BARRICADE 0.43% PREEMERGENCE WEED CONTROL or this product].

<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>
<i>Abies</i> spp.	Fir species** (Balsam, Fraser, Noble, etc.)	<i>C. Dammeri</i>	Bearberry Cotoneaster
<i>Abelia grandiflora</i>	Abelia: Sherwood	<i>C. microphyllus</i>	Rockspray Cotoneaster
<i>Acer palmatum</i>	Japanese Maple	<i>Cretaeagus</i> spp.	Hawthorne
<i>A. platanoides</i>	Norway Maple	<i>Crococsmia</i> sp.	Lucifer
<i>Achillea</i> sp.	Yarrow: King Edward	<i>Cupressus sempervirens</i>	Italian Cypress
<i>Actinidia chinensis</i>	Kiwi*	<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)	<i>Delosperma</i> sp.	Cooperi Pink
<i>Agapanthus orientalis</i>		<i>Delphinium</i> sp.	Larkspur: Blue Elf
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine	<i>Dianthus deltoides</i>	Dianthus; Maiden Pinks "Zing"
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion	<i>D. gratianopolitanus</i>	Cheddar Pink
<i>Anemone hybrida</i>	Japanese Anemone	<i>Dodonea viscosa</i>	Hop Bush
<i>Aquilegia</i> sp.	Aquilegia: Red and Gold	<i>Echinacea pupurea</i>	Coneflower, Purple; Magnus
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita	<i>Elaeagnus pungens</i>	Silverberry
<i>Arctotheca calendula</i>	Cape Weed	<i>Euonymus Fortunei</i>	Wintercreeper
<i>Artemisia</i> sp.	Wormwood; Silver Mound, Castle	<i>E. japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Aster</i> sp.	Aster: Bonny Blue, Purple Dome	<i>E. kiautschovica</i>	Spreading Euonymus
<i>Aster X Frikartii</i>		<i>Fatsia japonica</i>	Japanese Aralia
<i>Athrium Filiz-femina</i>	Lady Fern; Fern Lady	<i>Forsythia intermedia</i>	Border Forsythia
<i>Aucuba japonica</i>	Japanese Aucuba	<i>Forsythia suspensa</i>	Weeping Forsythia
<i>Begonia</i> sp.	Fibrous Begonia: Hardy Grandis	<i>F. viridissima</i>	Greenstem Forsythia
<i>Berberis gladwynensis</i>	Barberry	<i>Gaillardia</i> sp.	Gaillardia, Blanket Flower: "Goblin"
<i>B. Julianae</i>	Wintergreen Barberry	<i>Gardenia jasminoides</i>	Gardenia ,Cape-Jasmine, Radicans
<i>B. mentorensis</i>	Mentor Barberry		
<i>B. Thunbergii</i>	Japanese Barberry	<i>Gaura</i> sp.	Gentian
<i>B. verruculosa</i>	Warty Barberry	<i>Gentiana dahurica</i>	Cranesbill
<i>Bergenia cordifolia</i>		<i>Geranium cinereum</i>	Gladiolus species**
<i>Boltonia asteroides</i>	Snowbank	<i>Gladiolus</i> spp.	Baby's Breath
<i>Buddleia davidii</i>	Butterfly-Bush (Dwarf Blue); Royal Red	<i>Gypsophila repens</i>	English Ivy
<i>Buxus microphylla</i>	Japanese Boxwood	<i>Hedera helix</i>	Sunrose
<i>Callistemon viminalis</i>	Weeping Bottlebrush	<i>Hellantherum</i> sp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Calluna vulgaris</i>	Scotch Heather	<i>Hemerocallis</i> sp.	Rose of Sharon**
<i>Campanula carpatica</i>	Tussock Bellflower, (White Clips)	<i>Hibiscus</i>	Mallow: Disco Belle White
<i>Campis X Tagliabuana</i>	Trumpet Creeper, Trumpet Flower, Madame Galen	<i>Hibiscus</i> sp.	Chinese Hibiscus
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)	<i>Hibiscus Rosa-sinensis</i>	Hosta, Plantain Lily (Fragrant)
<i>Cassia artemisoides</i>	Feathery Cassia	<i>Hosta plantaginea</i>	Hosta, "Searsucker"
<i>Ceanothus rigidus</i>	Wild Lilac	<i>H. Sieboldiana</i>	
<i>Ceratostigma plumbagonoides</i>		<i>Houttuynia cordata var. variegata</i>	
<i>Chamaecyparis pisifera</i>	False Cypress	<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Chrysanthemum nipponicum</i>		<i>Ilex Bernyi</i>	Holly
<i>Cleyera japonica</i>	Cleyera	<i>Ilex cornuta</i>	Chinese Holly
<i>Citrus</i> spp.	Citrus species*	<i>I. crenata</i>	Japanese Holly; Helli
<i>Coreopsis</i> sp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam	<i>I. opaca</i>	American Holly
<i>Cornus florida</i>	Flowering Dogwood	<i>I. vomitoria</i>	Yaupon Holly; Schillings
<i>C. stolonifera</i>	American Dogwood	<i>Inula ensifolia</i>	
<i>Cortaderia selloana</i>	Pampas Grass	<i>Iris ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster	<i>Iris siberica</i>	Siberian Iris; Cabernet
<i>C. buxifolius</i>	Cotoneaster	<i>Iris</i> spp.	Iris species**
		<i>Jasminium nudiflorum</i>	Winter Jasmine
		<i>Juniperus chinensis</i>	Chinese Juniper; Nick's Compact, Parsonii



<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>
<i>J. conferta</i>	Shore Juniper; Blue Pacific	<i>P. tobira</i>	Japanese Pittosporum
<i>J. davurica</i>	Parsonii	<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>J. horizontalis</i>	Creeping Juniper	<i>Prunus Laurocerasus</i>	English Laurel
<i>Juglans</i> sp.	Walnut*	<i>Prunus</i> sp.	Almond, Apricot, Nectarine, Peach, Plum and Prune*
<i>Justicia brandegeana</i>	Shrimp Plant	<i>Pseudotsuga Menziesii</i>	Douglas Fir**
<i>Lagerstromia indica</i>	Crape Myrtle	<i>Pyracantha coccinea</i>	Firethorn (Scarlet)
<i>Lagerstromia indica X Fauriei</i>	Crape Myrtle; Tuscarora	<i>P. Fortuneana</i>	Firethorn
<i>Lantana montevidensis</i>	Weeping Lantana	<i>P. Koidzumii</i>	Firethorn
<i>Lavender</i> sp.	Lavender; Munstead	<i>Pyrus</i> sp.	Bradford Pear sp.
<i>Leontopodium alpinum</i>	Edelweiss	<i>Quercus Shumardii</i>	Oak, Shumard's Red
<i>Ligustrum sinense</i>	Chinese Privet; Variegata	<i>Quercus</i> spp.	Oak species
<i>Ligustrum amurense</i>	Amur Privet	<i>Raphiolepis indica</i>	Indian Hawthorne
<i>L. japonicum</i>	Japanese Privet	<i>Raphiolepis umbellata</i>	Yedda Hawthorn
<i>L. lucidum</i>	Glossy Privet (Waxleaf)	<i>Rhododendron</i>	'Coral Bells'
<i>Lillium</i> sp.	Lily; Jazz	(including Azalea)	'Delaware Valley White'
<i>Liriope Muscari</i>	Big Blue Lily; Turf; Silver Mound; Evergreen Giant	<i>Rosa Banksiae</i>	'Flame Creeper'
<i>Liriope Muscari var. variegata</i>	Liriope, Variegated	<i>Rosmarinus officinalis</i>	'Formosa'
<i>Liriope spicata</i>	Liriope, Creeping	<i>Rudbeckia</i> sp.	'Girard Crimson'
<i>Lobelia Cardinalis</i>	Cardinal Flower, Indian Pink	<i>Santolina virens</i>	'George L. Tabor'
<i>Lonicera japonica</i>	Japanese Honeysuckle	<i>Saxifraga</i> sp.	'Hino-crimson'
<i>L. tatarica</i>	Tatarian Honeysuckle	<i>Scabiosa</i> sp.	'PJM'
<i>Loropetalum chinense</i>	Burgundy	<i>Sedum album</i>	'Roseum Elegans'
<i>Lythrum</i> sp.	Loosestrife; Modern Pink	<i>Sedum caudicicola</i>	'Wakeiebisu'
<i>Magnolia</i> spp.	Magnolia species**	<i>Sedum dasyphyllum</i>	'White Gumbo'
<i>Maleophora luteola</i>	Ice Plant	<i>Sedum spurium</i>	Lady Bank's Rose
<i>Malus</i> sp.	Crabapple*	<i>Spiraea Bumalda</i>	Rosemary*
<i>Miscanthus sinensis</i>	Yaku Jima, Silberfeder	<i>Syzygium paniculatum</i>	Black-Eyed Susan; Goldstrum
<i>Nandina domestica</i>	Heavenly Bamboo	<i>Taxus cuspidata</i>	Santolina
<i>Narcissus</i> spp.	Narcissus species**	<i>T. media</i>	Saxifrage; Purple Dome
<i>Nerium oleander</i>	Oleander	<i>Teucrium</i> sp.	Pincushion Flower
<i>Olea europaea</i>	Olive*	<i>Thalictrum dipterocarpum</i>	Stonecrop
<i>Ophiopogon japonicus</i>	Mondo Grass	<i>Thuja occidentalis</i>	Stonecrop; Lidakense
<i>Osmanthus heterophyllus</i>	Osmanthus (False Holly); Gulf Tide	<i>Trachelospermum asiaticum</i>	Stonecrop
<i>Osteospermum fruticosum</i>	Trailing African Daisy	<i>Tsuga canadensis</i>	Stonecrop; Dragon's Blood
<i>Oxydendrum arboreum</i>	Sourwood	<i>Tulipa</i> spp.	Spirea: Anthony Waterer
<i>Paeonia suffruticosa</i>	Tree Peony	<i>Veronica</i> sp.	Australian Brushcherry
<i>Pennisetum setaceum</i>	Fountain Grass (Dwarf)	<i>Viburnum japonicum</i>	Japanese Yew
<i>Perovskia atriplicifolia</i>		<i>V. odoratissimum</i>	Yew
<i>Persea americana</i>	Avocado*	<i>V. plicatum</i>	Germander
<i>Photinia Fraseri</i>	Frasier's Photinia (Redtip)	<i>V. rigidum</i>	Meadow Rue
<i>Physotegia Virginiana</i>	Dragonhead, False; Vivid	<i>V. suspensum</i>	American Arborvitae
<i>Picea</i> spp.	Spruce species** (Colorado Blue, Norway, etc.)	<i>V. tinus</i>	Star Jasmine
<i>Pieris japonica</i>	Lily-of-the-Valley Bush	<i>V. trilobium</i>	Canada Hemlock
<i>Pinus brutia</i>	Calabrian Pine	<i>V. wrightii</i>	Tulip species
<i>P. canariensis</i>	Canary Island Pine	<i>Vinca major</i>	Veronica, Speedwell; Sunny Border
<i>P. elliottii</i>	Slash Pine	<i>Vinca minor</i>	
<i>P. halepensis</i>	Aleppo Pine	<i>Vitis</i> sp.	Japanese Viburnum
<i>P. nigra</i>	Austrian Pine	<i>Weigela florida</i>	Sweet Viburnum
<i>P. palustris</i>	Longleaf Pine	<i>Yucca aloifolia</i>	Japanese Snowball
<i>P. radiata</i>	Monterey Pine	<i>Y. filamentosa</i>	Canary Island Viburnum
<i>P. Thunbergiana</i>	Japanese Black Pine		Arrowwood Viburnum
<i>P. strobus</i>	Eastern White Pine		Laurustinus
<i>P. syvestris</i>	Scotch Pine		Cranberry Bush
<i>P. taeda</i>	Loblolly Pine		Leatherleaf Viburnum
<i>P. virginiana</i>	Virginia Pine		Greater Periwinkle, Vinca
<i>Pistachio</i> sp.	Pistachio*		Common Periwinkle, Vinca
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum		Grape*

\* **Do not use on food producing trees, vines, or plants.**

\*\* **Not for use on container grown plants.**

## 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.]

[Optional Warranty]

[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.]

### Optional Label Claims]

1. [Bar code] [product number]
2. [Item number]
3. [Not] Proof of Purchase
4. The following statement may appear if application rate instructions specify different rates based on different regions in Florida: [Optional fertilizer text for state of Florida when applicable] Florida Applications: [X] annual feedings [with the exception of [listed turfgrass species (X feedings in the north and X feedings in the central and south).] This package applies X.X lbs of product per 1,000 sq.ft.]
5. For products sold in the state of Florida, the following statement may appear: [Optional text for state of Florida] We suggest that you follow the Golf Course BMP's at:  
<http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf>.
6. For products sold in the state of Florida, the following statement may appear: [Optional text for state of Florida] Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.

7. Questions or Comments? Call 1-xxx-xxx-xxxx (insert phone graphic)  
 8. This Bag Treats Up to \_\_\_\_\_ Square Feet [See chart below for square footage]  
 [Rates of application allowed depending on turf species: 3.4, 4.0, 5.3 and 8.0 (see page 3)]

Bag Size lb	Application rate lb/1000 sq. ft.	Bag coverage sq. ft.
40	3.4	11,765
	4.0	10,000
	5.3	7,542
	8.0	5,000
50	3.4	14,706
	4.0	12,500
	5.3	9,434
	8.0	6,250
1000	3.4	294,117
	4.0	250,000
	5.3	188,679
	8.0	125,000
2000	3.4	588,235
	4.0	400,000
	5.3	377,358
	8.0	250,000

9. [www.lebanonturf.com](http://www.lebanonturf.com)  
 10. For use on cool and warm season turfgrass  
 11. Apply once for the whole season  
 12. If the fertilizer guarantee contains iron, the following statement must appear: [Note:][Notice:]This product contains the secondary nutrient iron. Iron may stain concrete surfaces 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.  
 13. The following statement may appear when the application rate applies less than 1 pound of nitrogen per 1,000 sq.ft.: [Note:] Supplemental applications of lawn fertilizer are needed to achieve a minimum of 1 pound nitrogen per 1,000 sq.ft.  
 14. Spreader Chart [Note to reviewer, rates of application allowed 3.4, 4.0, 5.3 and 8.0 not to exceed 8.0]

### SUGGESTED SPREADER SETTINGS

Spreader	Speed		Width of Coverage	Settings 3.4#/1000 Sq. Ft.	Spreader	Speed		Width of Coverage	Settings 3.4#/1000 Sq. Ft.
	Ground MPH	PTO RPM				Ground MPH	PTO RPM		
Cyclone	3		8 ft.	3 1/2	Scotts (Rotary) R8A	3		8 ft.	J
Ezee Flow (109)	5	540	30 ft.	C1	Lesco	3		10 ft.	G
Lely (HR)	5		39 ft.	4II	Gandy	3			29
Lely (W)	5	425	39 ft.	4II	Vicon PS 402	5	540	35 ft.	22
Scotts (Drop Type)	3			4	Earthway Rotary	3		12 ft.	13
Scotts (Rotary)	3		6 ft.	E	Spyker	3		8 ft.	3 1/2
Scotts (Rotary) R7X	3		8 ft.	E					

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.

15. The following statement must appear (relevant to the fertilizer guarantee): [Note:] Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lebsea.com>.  
 16. Logo based on granular size:



- 17. For technical assistance or more information about our products visit [www.lebanonturf.com](http://www.lebanonturf.com)
- 18. [In the state[s] of [list the state or states] apply this product at no more than [xx] lbs. of product per 1,000 sq. ft.] [Note to reviewer: Justification for the above statement is that several states have restrictions on the maximum amount of nitrogen that can be applied per application. The fertilizer blend is adjusted to accomplish this. Maximum amount of nitrogen that can be applied in Maryland is 0.9lbs. Example of label language: In the states of Maryland apply this product at no more than 5.3lbs of product per 1,000 sq. ft. Example: Assuming a fertilizer guarantee of 16% nitrogen, then 5.3lbs of product per application delivers 0.848 lbs nitrogen per application, allowing the product to be registered in Maryland. 8.0 lbs of product delivers 1.28 lbs nitrogen per application, exceeding the allowable limit for Maryland.]
- 19. Lebanonturf logo



#### Claims regarding Weed Control Properties

1. [12] [16] [20] Week weed control
2. [12] [16] [20] Week weed grass control
3. [3] [4] [5] Month weed control
4. [3] [4] [5] Month weed grass control
5. 3 – 5 month Weed Grass Control
6. Contains Barricade®
7. Controls new weeds for [12] [16] [20] weeks
8. Controls new weeds for [3] [4] [5] months
9. Prevents crabgrass all season
10. Prevents crabgrass and [many] other weed grasses.
11. Prevents crabgrass and other grassy weeds
12. Stops [crabgrass] [annual bluegrass] [chickweed] [henbit] (select any listed weed)
13. Stops crabgrass before it starts!
14. Weed Images [Crabgrass] (select any listed weed)

#### Claims regarding Combination Weed Control and Fertilizer Properties

1. Prevents weeds and feeds your lawn [turf] for [up to] [12] [16] [20] weeks
2. Prevents weeds and feeds your lawn [turf] for [up to] [3] [4] [5] months
3. Stops weeds and feeds your lawn [turf] for [up to] [12] [16] [20] weeks
4. Stops weeds and feeds your lawn [turf] for [up to] [3] [4] [5] months

#### Claims regarding Fertilizer Properties

1. [Lebanon Fertilizer with Barricade .43% Preemergence Weed Control] – All the fertilizer nutrients your lawn [turf] needs [for spring] [for fall]
2. [Lebanon Fertilizer with Barricade .43% Preemergence Weed Control] – Providing the Nutrients Needed for [a] Beautiful Lawn [turf] [and Ornamentals.]
3. Builds strong, deep roots, for a thick, green lawn [turf]
4. Fertilizes to provide rich color [and vigorous growth]
5. Improves soil fertility
6. Larger Roots/Greener Lawn [Turf]
7. No phosphate helps protect our waterways (for use when fertilizer analysis has “0” phosphate)
8. Promotes rapid root growth
9. Promotes root growth for thicker, greener lawn [turf]

- 10. Provides your soil with nutrients
- 11. Restores nutrients to your soil
- 12. Restores nutrients to your soil for a quick spring green up [green-up]
- 13. Zero phosphate helps protect our waterways (for use when fertilizer analysis has "0" phosphate)

Claims regarding Slow Release Fertilizer

- 1. [Lebanon Fertilizer with Barricade] feeds and greens with [slow release] fertilizer [for up to 12 weeks]. ] feeds and 3 weeks]
- 2. Feeds [greens] [strengthens] [thickens] [this weeks] weeks] [12 weeks]
- 3. Feeds [your] lawn [turf] up to [8] weeks]
- 4. Greens up to [8 weeks] [12 weeks]
- 5. Homogeneous fertilizer
- 6. MESA® is a registered trademark
- 7. Patented, controlled release nitrogen
- 8. MESA Logo



- 9. MESA Video QR Code, (optional)



Scan here to see a

- 10. Meth-EX® is a registered trademark of Lebanon Seaboard Corporation
- 11. Meth-EX Logo



- 12. EXPO® is a registered trademark of Lebanon Seaboard Corporation
- 13. EXPO Logo



- 14. Patented, controlled release nitrogen for continuous fertilizing

#### Claims regarding GreenSmart Fertilizer Properties

1. GreenSmart Enhanced Efficiency Fertilizer® for green turf
2. Contains GreenSmart Enhanced Efficiency Fertilizer® for green turf
3. GreenSmart Enhanced Efficiency Fertilizer is a registered trademark of Lebanon Seaboard Corporation
4. Enables lawns [turf] to use nutrients more efficiently
5. Enhanced Efficiency Fertilizer
6. Helps unlock nutrients already in the soil
7. Reduces plant [lawn] [turf] stress related to drought
8. Unlocks the nutrients in soil, enhancing nutrient absorption, so you can grow a thicker, greener lawn [turf] with less water
9. GreenSmart Enhanced Efficiency Fertilizer logo



#### LebanonTurf Brand of products optional marketing claims

1. [PennMulch®], [ProScape®], [LSN® LebanonTurf Stabilized Nitrogen], [MESA®], [Meth-EX®], [EXPO®] [GreenSmart Enhanced Efficiency Fertilizer® for Green Turf] [Lebanon Turf] are registered trademarks of Lebanon Seaboard Corporation.
2. PennMulch® is a registered trademark of Lebanon Seaboard Corporation.
3. ProScape® is a registered trademark of Lebanon Seaboard Corporation.
4. LSN® LebanonTurf Stabilized Nitrogen is a registered trademark of Lebanon Seaboard Corporation.
5. LSN LebanonTurf Stabilized Nitrogen Logo



#### Additional Marketing Claims Turfgrass Branded Products

1. Turfgrass Logo



2. Distributed by:  
Residex®, LLC  
46495 Humboldt Drive  
Novi, MI 48377-2446  
www.residex.com
3. Claims regarding Slow Release Fertilizer Properties

