

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 17, 2018

Ms. Jeanette Covert Agent for Lebanon Seaboard Corporation Product & Regulatory Associates, LLC P.O. Box 1683 Voorhees, NJ 08043

Subject: Label Amendment – adding state-specific fertilizer language

Product Name: LEBANON FERTILIZER WITH BARRICADE

PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4

EPA Registration Number: 961-365 Application Date: May 25, 2018

Decision Number: 542222

Dear Ms. Covert:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

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Your release for shipment of the product 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. If you have any questions, please contact Beth Benbow via email at Benbow.Bethany@epa.gov.

Sincerely,

Kathryn Montague, Product Manager 23

Herbicide Branch

Registration Division (7505P) Office of Pesticide Programs

Enclosure

# LEBANON FERTILIZER WITH BARRICADE® PREEMERGENCE WEED CONTROL (0.38% Barricade)

13-0-4

**[Alternate Brand Names**]

Lebanon ProScape Homogenous Fertilizer with Barricade 0.38%

Lebanon Pro Brand Fertilizer with Prodiamine 0.38% Preemergence Weed Control

Lebanon ProScape Fertilizer with Barricade 0.38%

Lebanon Pro Brand Fertilizer with Barricade 0.38% Preemergence Weed Control

Lebanon Pro Fertilizer with Barricade (0.38%)

Lebanon ProScape Homogenous Fertilizer with Barricade

Lebanon Proscape Fertilizer With Barricade 0.38% Preemergence Weed Control

Lebanon Proscape Fertilizer With Prodiamine 0.38% Preemergence Weed Control

Lebanon Fertilizer with Barricade (0.38%) Preemergence Weed Control

Lebanon Country Club Fertilizer with Barricade (0.38%)

ISOTEK Fertilizer with Barricade .38% Preemergence Weed

NX Pro Fertilizer with Barricade Preemergence Weed Control

Turfgrass Fertilizer with Prodiamine 0.38% Preemergence Weed Control

Turfgrass Fertilizer with Barricade 0.38% Preemergence Weed Control

### ACCEPTED

07/17/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 961-365

### **ACTIVE INGREDIENT:**

Prodiamine:	0.38%
OTHER INGREDIENTS:	99.62%
TOTAL	100.00%
(1)	(D)

EPA Reg. No. 961-365

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

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

Superscript used is first letter of lot number.

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

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 listed grass and broadleaf weeds 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 [St.] LEBANON, PA 17042 www.lebsea.com

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:

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[1-800-233-1067][717-272-1685] Made in the USA.

## 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:** • Take off contaminated clothing.

**OR 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.

### **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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or This product] is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds as listed in established turfgrasses (excluding golf course putting greens) and lawns, landscape ornamentals, established perennials and wildflower plantings.

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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.

### **APPLICATION DIRECTIONS**

Apply uniformly with suitable, calibrated application equipment.

### **ESTABLISHED TURF**

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or This product] is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds as listed in established turfgrasses and lawns. The maximum amount of [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] to apply 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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.



### **USE PRECAUTIONS**

The following precautions apply to the use of [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] in turfgrasses and lawns:

Application of [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] may thin emerged annual blue grass 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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

Apply [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] 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 0.38% PREEMERGENCE WEED CONTROL or this product] will not control established weeds.

Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by [[LEBANON FERTILIZER WITH BAR-RICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] is related to the rate applied.

### **MAXIMUM ANNUAL RATES**

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product} is suggested 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 by Turfgrass Species<sup>1)</sup>

Turf Species:	Lbs. Product/Acre	Lbs. Product/1,000 Sq. Ft.	Lbs. Al/Acre
Bermudagrass <sup>2)</sup> , Bahiagrass, Centipedegrass, Seashore Paspalum,	395	8.9	1.5
St. Augustinegrass, Tall Fescue (including turf-type), Zoysia			
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	265	5.9	1.0
Creeping Red Fescue	195	4.6	0.75
Creeping Bentgrass	170	3.9	0.65

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

- Do not apply more than 395 lbs. of [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] per calendar year.
- Use higher rates of [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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.

<sup>&</sup>lt;sup>2)</sup> May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 137 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.

### WEEDS CONTROLLED

When used in accordance with this label [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] will provide control of the following weeds:

Barnyardgrass

Bluegrass, Annual (Poa annua)

Carpetweed

Chickweed, Common

Chickweed, Mouseear (from seed)

Crabgrass (large, smooth)

Crowfootgrass

Cupgrass, Woolly

Foxtails, Annual

Goosegrass<sup>1</sup>

Henbit

Itchgrass

Johnsongrass (from seed)

Junglerice

Knotweed

Kochia

Lambsquarter, Common

Lovegrass

Panicum (Texas, Fall, Browntop)

Pigweed

Purslane, Common

Pusley, Florida

Rescuegrass<sup>3</sup>

Shepherd's Purse<sup>2</sup>

Signalgrass, Broadleaf

Speedwell, Persian

Sprangletop

Spurge, Prostrate

Witchgrass

Woodsorrel, Yellow (from seed)

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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 of 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.

<sup>&</sup>lt;sup>1</sup> In many areas a single application of 170 to 395 lbs./Acre of [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or 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 170 to 265 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.

<sup>&</sup>lt;sup>2</sup> Apply this product in late summer, fall or winter prior to germination.

<sup>&</sup>lt;sup>3</sup> Suppression only.

### LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL(0.38% BARRICADE) 13-0-4

Rate (Ib	o./A)	Months Before Overseeding		
Product	Al	North	Transition	South
132	.50	4	4	4
170	.66	5	4	4
195	.74	6	5	5
210	.80		6	6
265	1.00		7	7
300	1.14			9
342	1.30			10
395	1.50			12

#### LANDSCAPE ORNAMENTALS

(including Established Perennials and Wildflower Plantings)

Apply [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] for residual preemergence weed control in ornamentals.

### **USE RATES**

Apply [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] at 170 to 395 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 395 lbs./Acre.

### APPLICATION TIMING AND INFORMATION

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of [LEBANON FERTILIZER WITH BARRICADE PRE-EMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] in the soil.

### NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

Apply [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or This product]. Apply [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product] after cuttings form roots and become established. Apply before budding/grafting or after buds/grafts have taken to avoid any inhibition of the tissue union.

### **TOLERANT ORNAMENTAL SPECIES**

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or This product] will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product]. Best results will be obtained when [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or this product].

Scientific Name	EED CONTROL (0.38% BARRICADE) 13- Common Name	Scientific Name	Common Name
Abies spp.	Fir species**	C. Dammeri	Bearberry Cotoneaster
	(Balsam, Fraser, Noble, etc.)	C. microphyllus	Rockspray Cotoneaster
Abelia grandiflora	Abelia: Sherwood	Cretaegus spp.	Hawthorne
Acer palmatum	Japanese Maple	Crocosmia sp.	Lucifer
A. platanoides	Norway Maple	Cupressus sempervirens	Italian Cypress
Achillea sp.	Yarrow: King Edward	Delosperma alba	White Trailing Ice Plant
Actinidia chinensis	Kiwi*	Delosperma sp.	Cooperi Pink
Agapanthus africanus	Lily-of-the-Nile (African Lily)	Delphinium sp.	Larkspur: Blue Elf
Agapanthus orientalis	, , , , , , , , , , , , , , , , , , ,	Dianthus deltoides	Dianthus; Maiden Pinks "Zing"
Akebia quintata	Five-Leaf or Chocolate Vine	D. gratianopolitanus	Cheddar Pink
Allium cernuum	Lady's Leek, Nodding Onion	Dodonea viscosa	Hop Bush
Anemone hybrida	Japanese Anemone	Echinacea pupurea	Coneflower, Purple; Magnus
Aquilegia sp.	Aquilegia: Red and Gold	Elaeagnus pungens	Silverberry
Arctostaphylos densiflora	Vine Hill Manzanita	Euonymus Fortunei	Wintercreeper
Arctotheca calendula	Cape Weed	E. japonica	Japanese Spindle Tree (Evergreen
Artemesia sp.	Wormwood; Silver Mound, Castle	, ,	Euonymus)
Aster sp.	Aster: Bonny Blue, Purple Dome	E. kiautschovica	Spreading Euonymus
Aster X Frikartii		Fatsia japonica	Japanese Aralia
Athrium Filiz-femina	Lady Fern; Fern Lady	Forsythia intermedia	Border Forsythia
Aucuba japonica	Japanese Aucuba	Forysythis suspensa	Weeping Forsythia
Begonia sp.	Fibrous Begonia: Hardy Grandis	F. viridissima	Greenstem Forsythia
Berberis gladwynensis	Barberry	Gaillardia sp.	Gaillardia, Blanket Flower: "Goblin"
B. Julianae	Wintergreen Barberry	Gardenia jasminoides	Gardenia ,Cape-Jasmine, Radicans
B. mentorensis	Mentor Barberry	Gaura sp.	·
B. Thunbergii	Japanese Barberry	Gentiana dahurica	Gentian
B. verruculosa	Warty Barberry	Geranium cinereum	Cranesbill
Bergenia cordifolia		Gladiolus spp.	Gladiolus species**
Boltonia asteroides	Snowbank	Gypsophila repens	Baby's Breath
Buddleia davidii	Butterfly-Bush (Dwarf Blue);	Hedera helix	English Ivy
	Royal Red	Hellanthemum sp.	Sunrose
Buxus microphylla	Japanese Boxwood	Hemerocallis sp.	Daylily: Aztec Gold, Stella De Oro,
Callistemon viminalis	Weeping Bottlebrush		Tender Love
Calluna vulgaris	Scotch Heather	Hibiscus	Rose of Sharon**
Campanula carpatica	Tussock Bellflower, (White Clips)	Hibiscus sp.	Mallow: Disco Belle White
Campis X Tagliabuana	Trumpet Creeper, Trumpet Flower,	Hibiscus Rosa-sinensis	Chinese Hibiscus
	Madame Galen	Hosta plantaginea	Hosta, Plantain Lily (Fragrant)
Carpobrotus edulis	Hottentot Fig (Ice Plant)	H. Sieboldiana	Hosta, "Searsucker"
Cassia artemisoides	Feathery Cassia	Houttuynia cordata var. variegata	1
Ceanothus rigidus	Wild Lilac	Hydrangea macrophylla	Bigleaf Hydrangea
Ceratostigma plumbagonoides		Ilex Bernyi	Holly
Chamaecyparis pisifera	False Cypress	llex cornuta	Chinese Holly
Chrysanthemum nipponicum		I. crenata	Japanese Holly; Helleri
Cleyera japonica	Cleyera	I. opaca	American Holly
Citrus spp.	Citrus species*	I. vomitoria	Yaupon Holly; Schillings
Coreopsis sp.	Coreopsis (Calliopsis): Early	Inula ensifolia	
	Sunrise, Moonbeam	Iris ensata	Sword-Leaved Iris; Jodlesong
Cornus florida	Flowering Dogwood	Iris siberica	Siberian Iris; Cabernet
C. stolonifera	American Dogwood	<i>Iris</i> spp.	Iris species**
Cortaderia selloana	Pampas Grass	Jasminium nudiflorum	Winter Jasmine
Cotoneaster apiculatus	Cranberry Cotoneaster	Juniperus chinensis	Chinese Juniper; Nick's Compact,
C hunifalina	0 - 1 1		Б "

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Cotoneaster

C. buxifolius

Scientific Name J. conferta J. davurica J. horizontalis Juglans sp. Justicia brandegeana Lagerstromia indica Lagerstomia indica X Fauriei Lantana montevidensis Lavender sp. Leontopodium alpinum Ligustrum sinense Ligustrum amurense L. japonicum L. lucidum Lillium sp. Liriope Muscari

Liriope Muscari var. variegata Liriope spicata Lobelia Cardinalis Lonicera japonica L. tatarica Loropetalum chinense

Lythrum sp. *Magnolia* spp. Maleophora luteola

Malus sp. Miscanthus sinensis Nandina domestica Narcissus spp. Nerium oleander Olea europaea Ophiopogon japonicus Osmanthus heterphyllus Osteospermum fruticosum Oxydendrum arboreum

Paeonia suffruticosa Pennisetum setaceumi Perovskia atriplicifolia Persea americana

Photinia Fraseri Physotegia Viginiana Picea spp.

Pieris japonica Pinus brutia P. canariensis P. elliottii P. halepensis P. nigra P. palustrus P. radiata P. Thunbergiana P. strobus P. syvestris

P. taeda

P. virginiana

Pistachio sp.

Pittosporum rhombifolium

Common Name

Shore Juniper; Blue Pacific

Parsoni

Creeping Juniper Walnut\* Shrimp Plant Crape Myrtle

Crape Myrtle; Tuscarora Weeping Lantana Lavender: Munstead

**Edelweiss** 

Chinese Privet; Variegata

**Amur Privet** Japanese Privet Glossy Privet (Waxleaf)

Lily: Jazz

Big Blue Lily; Turf; Silver Mound;

**Evergreen Giant** Liriope, Variegated Liriope, Creeping

Cardinal Flower, Indian Pink Japanese Honeysuckle Tatarian Honeysuckle

Burgundy

Loosestrife: Modern Pink Magnolia species\*\*

Ice Plant Crabapple\*

Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species\*\* Oleander

Olive\* Mondo Grass

Osmanthus (False Holly): Gulf Tide

Trailing African Daisy

Sourwood Tree Peony

Fountain Grass (Dwarf)

Avocado\*

Frasier's Photinia (Redtip) Dragonhead, False; Vivid

Spruce species\*\*

(Colorado Blue, Norway, etc.) Lily-of-the-Valley Bush Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Pine Longleaf Pine

Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Pistachio\*

Queensland Pittosporum

Scientific Name P. tobira

Podocarpus macrophyllus

Prunus Laurocerasus

*Prunus* sp.

Pseudotsuga Menziesii Pyracantha coccinea P. Fortuneana P. Koidzumii Pvrus sp.

Quercus Shumardii Quercus spp. Raphiolepis indica Raphiolepsis umbellata Rhododendron

(including Azalea)

Rosa Banksiae

Rudbeckia sp.

Saxifraga sp.

Scabiosa sp.

Sedum album

Sedum cauticola

Sedum spurium

Spiraea Bumalda

Taxus cuspidata

Thuja occidentalis

Tsuga canadensis

Viburnum japonicum

V. odoratissimum

T. media

Teucrium sp.

Tulipa spp.

Veroniac sp.

V. plicatum

V. rigidum

V. tinus

V. trilobium

Vinca major

Vinca minor

Weigela florida

Yucca aloifolia Y. filamentosa

Vitis sp.

V. wrightii

V. suspensum

Sedum dasyphyllum

Syzygium paniculatum

Thalictrum dipterocarpum

Trachelospermum asiatum

Santolina virens

Rosmarinus officinalis

Common Name

Japanese Pittosporum

Japanese Yew **English Laurel** 

Almond, Apricot, Nectarine, Peach,

Plum and Prune\* Douglas Fir\*\* Firethorn (Scarlet) Firethorn Firethorn

Bradford Pear sp. Oak, Shumard's Red Oak species

Indian Hawthorne Yedda Hawthorn 'Coral Bells'

'Delaware Valley White' 'Flame Creeper' 'Formosa' 'Girard Crimson' 'George L. Tabor' 'Hino-crimson'

'PJM' 'Roseum Elegans' 'Wakeiebisu' 'White Gumbo' Lady Bank's Rose

Rosemary\*

Black-Eyed Susan; Goldstrum

Santolina

Saxifrage; Purple Dome Pincushion Flower

Stonecrop

Stonecrop; Lidakense

Stonecrop

Stonecrop; Dragon's Blood Spirea: Anthony Waterer **Australian Brushcherry** 

Japanese Yew

Yew Germander Meadow Rue American Arborvitae Star Jasmine Canada Hemlock Tulip species

Veronica, Speedwell; Sunny Border

Japanese Viburnum Sweet Viburnum Japanese Snowball Canary Island Viburnum Arrowood Viburnum Laurustinus Cranberry Bush Leatherleaf Viburnum

Greater Periwinkle, Vinca

Common Periwinkle, Vinca

Grape\*

Old Fashioned Weigela Spanish Bayonet, Yucca Adam's Needle, Yucca

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

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

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### 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.]

SUGGESTED SPREADER SETTINGS									
	Spe	eed	Width	Settings		Spe	ed	Width	Settings
Spreader	Ground MPH	PTO RPM	of Coverage	3.9#/1000 Sq. Ft.	Spreader	Ground MPH	PTO RPM	of Coverage	3.9#/1000 Sq. Ft.
Cyclone	3		8 ft.	3 <sup>1</sup> / <sub>2</sub>	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.	411	Gandy	3			29
Lely (W)	5	425	39 ft.	411	Vicon PS 402	5	540	35 ft.	22
Scotts (Drop Type)	3			4	Earthway Rotary	3		12 ft.	13
Scotte (Potary)	3		6 ft	E	Snyker	3		Ω ft	31/0

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.

### [Additional Labeling Requirements:]

### Claims

- 1. [Bar code] [product number]
- 2. [Item number]

Scotts (Rotary) R7X

- 3. [Not] Proof of Purchase
- 4. 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.
- 5. The following statement must appear (relevant to the fertilizer guarantee):

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

  [Note:] Information regarding the contents and levels of metals in this product is available on the internet at http://www.regulatory-info-lebsea.com.
- 6. 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.
- 7. 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.]
- 8. 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, side walk, or street, back onto your lawn/garden.
- 9. FOR FLORDIA: We recommend that you follow the Golf GCourse BMP's at: http://www.dep.state.fl.us/water/nonpoint/docs/glfomp07.pdf

8 ft.

- 10. Apply once for the whole season
- 11. For technical assistance or more information about our products, visit www.lebanonturf.com
- 12. For use on cool and warm season turfgrass
- 13. Made in [the] U.S.A.
- 14. Questions or Comments? Call 1-xxx-xxx-xxxx. (insert phone graphic)

Bag size/lb	Application rate l/bs/1000 sq.	Maximum bag coverage/ sq. ft.
	ft.	
40	3.9	10,256
	4.6	8696
	5.9	6780
	8.9	4494
50	3.9	10,870
	4.6	10,870
	5.9	8475
	8.9	5618
1000	3.9	25,6410
	4.6	21,740
	5.9	16,950
	8.9	11,236
2000	3.9	51,282
	4.6	43,4782
	5.9	33,8983
	8.9	22,4720

Logo based on granular size:











17. In the state[s] of [list state or states] apply this product at no more than [x.x] 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 3.5lbs of product per 1,000 sq. ft. Example: Assuming a fertilizer guarantee of 20% nitrogen, then 3.5lbs of product per application delivers 0.78 lbs nitrogen per application, allowing the product to be registered in Maryland. 8.9 lbs of product delivers 1.78 lbs nitrogen per application, exceeding the allowable limit for Maryland.]

### Claims regarding Weed Control Properties

- [12] [16] [20] Week weed control 1.
- 2. [12] [16] [20] week weed grass control
- [3] [4] [5] Month weed control 3.
- 4. [3] [4] [5] month weed grass control
- 3 5 month Weed Grass Control
- Contains Barricade® 6.
- 7. Controls new weeds for [12] [16] [20] weeks
- Controls new weeds for [3] [4] [5] months 8.
- 9. Prevents crabgrass all season
- 10. Prevents crabgrass and [many] other weed grasses.
- Prevents crabgrass and other grassy weeds 11.
- Stops [crabgrass] [annual bluegrass] [chickweed] [henbit] (select any listed weed) 12.
- 13. Stops crabgrass before it starts!
- 14.
- Weed Images [Crabgrass] (select any listed weed)
  Contains SCU [sulfur coated urea (sulfur coated slow release fertilizer. Typically further coated with a sealant 15. polymer)]

### Claims regarding Combination Weed Control and Fertilizer Properties

- 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

- [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 1. 13-0-4 ]— All the fertilizer nutrients your lawn [turf] needs [for spring] [for fall]
- 2. [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 ]— Providing the Nutrients Needed for [a] Beautiful Lawn [turf] [and Ornamentals.]
- 3. Builds strong, deep roots, for a thick, green lawn [turf]
- Fertilizes to provide rich color [and vigorous growth] 4.
- 5. Improves soil fertility
- 6. Larger Roots / Greener Lawn [Turf]
- No phosphate helps protect our waterways (for use when fertilizer analysis has "0" phosphate) 7.
- 8. Promotes rapid root growth
- Promotes root growth for a thicker, greener lawn [turf] 9.
- 10. Protects & [and] strengthens for a better spring lawn [turf]
- 11. Provides your soil with nutrients
- 12. Restores nutrients to your soil
- 13. Restores nutrients to your soil for a quick spring green up [green-up]
- 14. Zero phosphate helps protect our waterways (for use when fertilizer analysis has "0" phosphate)

Claims regarding Slow Release Fertilizer Properties

- 1. [[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or This product] feeds and greens with [slow release] fertilizer [for up to [2] [3] months] [for up to [8] [12] weeks].
- 2. Feeds [greens] [strengthens] [thickens] [your lawn] [turf] for up to [2] [3] months [[8] [12] weeks]
- 3. Feeds [your] lawn [turf] up to [8] [12] weeks
- 4. Greens up to [2] [3] months [[8] [12]weeks]
- 5. Homogenous Fertilizer
- 6. MESA® is a registered trademark of Lebanon Seaboard Corporation.
- 7. Meth-EX® is a registered trademark of Lebanon Seaboard Corporation
- 8. Patented, controlled release nitrogen for continuous feeding
- 9. Quick and continuous greening for up to 3 months [12 weeks]





11. MESA Video QR Code, (optional when the product contains MESA)



Scan here to see a video on MESA controlled release nitrogen.

12. Meth-EX Logo



- 13. Meth-EX® is a registered trademark of Lebanon Seaboard Corporation
- 14. EXPO® is a registered trademark of Lebanon Seaboard Corporation
- 15. EXPO Logo



16.

XX	XX	XX
Nitrogen (N)	Phosphorous (P)	Potassium (K)
Contains Timed-Release Nitrogen for growing [a] thick green lawn [turf] [Stimulates growth and encourages [a] thick. green lawn [turf]]	[Improves root growth and	Improves Plant [turf] Hardiness & Drought Resistance

[Note to reviewer: the XX must be in the range listed on the CSF]

### Claims regarding GreenSmart Fertilizer Properties

- 1. GreenSmart®Enhanced Efficiency Fertilizer for a Green Lawn [Turf]
- 2. [contains] [with] GreenSmart® Enhanced Efficiency Fertilizer
- 3. GreenSmart® Enhanced Efficiency Fertilizer
- 4. GreenSmart® Enhanced Efficiency Fertilizer logos













- 5. GreenSmart is a registered trademark of Lebanon Seaboard Corporation
- 6. 20% less nutrients required for the same great lawn [turf] results [with GreenSmart® Enhanced Efficiency Fertilizer]
- 7. Enables lawns [turf] to use nutrients more efficiently
- 8. Enhanced Efficiency Fertilizer
- 9. Enhances nutrient absorption
- 10. Enriches soil to promote a vibrant, hardy lawn [turf]
- 11. GreenSmart® Enhanced Efficiency Fertilizer enhances poor soil, creating an environment in which lawns [turf] can thrive. GreenSmart Enhanced Efficiency Fertilizer produces thick, green lawns [turf].
- 12. GreenSmart® Enhanced Efficiency Fertilizer nourished lawns [turf] are more robust because their root systems are larger, deeper and better developed. Vigorous roots mean[s] the lawn [turf] is hardier and better able to tolerate the stress that comes with heat and drought.
- 13. GreenSmart® Enhanced Efficiency Fertilizer produces thick, green lawns [turf]
- 14. Helps lawns [turf] retain water to protect against heat & [and] drought
- 15. Helps unlock nutrients already in the soil
- 16. Improved Nitrogen Efficiency Reduces Leaching
- 17. [GreenSmart® Enhanced Efficiency Fertilizer -] Improved nutrient release and absorption into the lawn [turf] allows 20% less nutrients to be applied while still providing [a] quality lawn [turf]
- 18. Improves drought resistance
- 19. Improves lawn's [turf's] ability to absorb water & [and] nutrients
- 20. Increase nutrient up-take in grass [lawns] [turf] up to 20% [with GreenSmart™ Enhanced Efficiency Fertilizer]
- 21. Lawn[s] [turf] [and plants] nourished with [company name's] GreenSmart® Enhanced Efficiency Fertilizer are [is] able to tolerate the stress from heat and drought. GreenSmart Enhanced Efficiency Fertilizer produces large, deep, and well developed root systems that can retain water. This enables lawns [turf] [and plants] to withstand stressful conditions.
- 22. Less watering needed
- 23. Less watering needed, drought resistant [lawn] [turf]
- 24. Makes it easier for lawns [turf] to absorb soil nutrients
- 25. N-P-K with GreenSmart® Enhanced Efficiency Fertilizer [for a Green Lawn [Turf]]
- 26. GreenSmart Enhanced Efficiency Fertilizer® for green turf [logo on page 10]
- 27. Contains GreenSmart Enhanced Efficiency Fertilizer® for green turf
- 28. GreenSmart Enhanced Efficiency Fertilizer is a registered trademark of Lebanon Seaboard Corporation

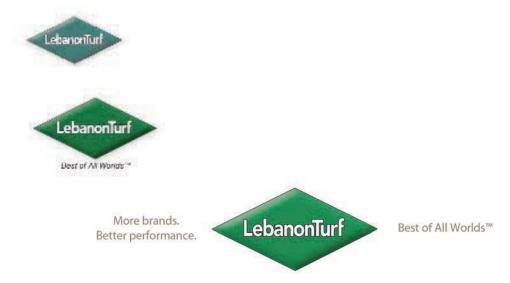
- 26. Plants [lawns] [turf] use[s] nitrogen more efficiently so you need less
- 27. Poor soil may have fewer of the nutrients needed to promote a vigorous lawn [turf].

  GreenSmart-® Enhanced Efficiency Fertilizer works by enriching your soil with nutrients.

  GreenSmart Enhanced Efficiency Fertilizer revitalizes the soil, which aids in the development of a larger, deeper and better root system. The enhanced soil is proven to produce a green, thick, vigorous lawn [turf], and reduces the need for watering.
- 28. Promotes rapid root growth [for a thick green] [lawn] [turf]
- 29. Recharges your soil with nutrients!
- 30. Reduces plant [lawn] [turf] stress related to drought
- 31. Reduces stress on lawns [turf], protects from drought & heat
- 32. Speeds root growth to improve nutrient absorption
- 33. Unlocks the nutrients in soil, enhancing nutrient absorption, so you can grow a thicker, greener lawn [turf] with less water
- 34. Unlocks the nutrients in your soil

### LebanonTurf® Brand of Products Optional Marketing Claims

- 1. LebanonTurf LSN is a registered trademark of Lebanon Seaboard Corporation
- 2. LebanonTurf® logo



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



9. www.LebanonTurf.com

### 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





