

961-365

6/11/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Jeanette Covert  
Lebanon Seaboard Corporation  
1600 East Cumberland Street  
Lebanon, PA 17042

JUN 11 2012

Subject Lebanon Fertilizer with Barricade Preemergence Weed Control (0 38% Barricade) 13-0-4  
EPA Reg No 961-365  
Label Amendment  
Application Dated February 29, 2012

Dear Ms Covert,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable

A stamped copy of your label is enclosed for your records This label supersedes all previously accepted labels Per 40 CFR 156 10(a)(6), submit one copy of your final printed labeling before you release the product for shipment Products released for shipping after eighteen (18) months from the date of this letter or the next printing of the label, whichever occurs first, must bear the new revised label If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e) Your release for shipment of the product constitutes acceptance of these conditions

If you have any questions, please contact Emily Hartman of my staff at (703) 347-0189 or hartman emily@epa gov

Sincerely,

A handwritten signature in black ink, appearing to read "Kathryn Montague".

Kathryn Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

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

**ACTIVE INGREDIENT:**

Prodiamine: ..... 0.38%

**OTHER INGREDIENTS:** ..... 99.62%

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

EPA Reg. No. 961-365

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

(L) (D)  
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.

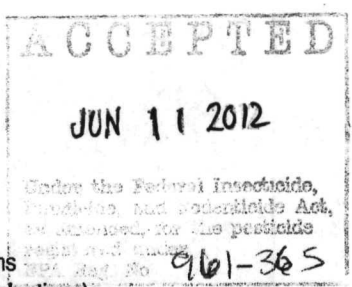
### GUARANTEED ANALYSIS

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 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 the following section, Precautionary Statements, Hazards To Humans and Domestic Animals, for additional information.

**MANUFACTURED BY:**  
**LEBANON SEABOARD CORPORATION**  
1600 EAST CUMBERLAND STREET  
LEBANON, PA 17042  
[www.lebsea.com](http://www.lebsea.com) or [www.LebanonTurf.com](http://www.LebanonTurf.com)

### 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 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 aurally.

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 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] 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 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.

**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 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**

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 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 0.38% 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 BARRICADE 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 AI/Acre
Bermudagrass <sup>2)</sup> Bahiagrass Centipedegrass Seashore Paspalum	395	6.9	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.
- <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.
- 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**.

**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	Chickweed Common	Crabgrass (large smooth)	Goosegrass <sup>1)</sup>	Knotweed
Bluegrass Annual ( <i>Poa annua</i> )	Chickweed Mouseear (from seed)	Crowfootgrass	Henbit	Kochia
Carpetweed		Cupgrass, Woolly	Itchgrass	Lambsquarter Common
		Foxtails Annual	Johnsongrass (from seed)	Lovegrass
			Junglence	Panicum (Texas Fall)

Browntop)	Pusley Florida	Signalgrass Broadleaf	Spurge Rate	(from seed)
Pigweed	Rescuegrass <sup>3</sup>	Speedwell Persian	Witchgrass	
Purslane Common	Shepherd's Purse <sup>2</sup>	Sprangletop	Woodsorrel Yellow	

<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>2</sup> Applications for this weed should be made in late summer, fall or winter prior to germination.

<sup>3</sup> Suppression only.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates suggested 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.

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

Product	Rate (lb./A)	Months Before Overseeding			
		AI	North	Transition	South
132	50	4	4	4	4
170	66	5	5	4	4
195	74	6	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)

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13 0-4 or This product] may be applied 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 may 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 pre-emergence 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 PREEMERGENCE 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**

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13 0-4 or This product] may be applied at any time 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**

[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13 0-4 or This product] may be applied 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. [LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0.38% BARRICADE) 13-0-4 or This product] may be applied 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].

<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>Cretaegus</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	Coopen 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 Frikarti</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>Gaura</i> sp	
<i>B. Thunbergii</i>	Japanese Barberry	<i>Gentiana dahurica</i>	Gentian
<i>B. verruculosa</i>	Warty Barberry	<i>Geranium cinereum</i>	Cranesbill
<i>Bergenia cordifolia</i>		<i>Gladiolus</i> spp	Gladiolus species**
<i>Boltonia asteroides</i>	Snowbank	<i>Gypsophila repens</i>	Baby's Breath
<i>Buddleia davidii</i>	Butterfly Bush (Dwarf Blue) Royal Red	<i>Hedera helix</i>	Eng' ch Ivy
<i>Buxus microphylla</i>	Japanese Boxwood	<i>Hellanthemum</i> sp	Sun ose
<i>Callistemon viminalis</i>	Weeping Bottlebrush	<i>Hemerocallis</i> sp	Daylily Aztec Gold Stella De Oro, Tender Love
<i>Calluna vulgaris</i>	Scotch Heather	<i>Hibiscus</i>	Rose of Sha on**
<i>Campanula carpatica</i>	Tussock Bellflower (White Clips)	<i>Hibiscus</i> sp	Mallow Disco Belle White
<i>Campis X Tagliabuana</i>	Trumpet Creeper Trumpet Flower Madame Galen	<i>Hibiscus Rosa sinensis</i>	Chinese Hibiscus
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)	<i>Hosta plantaginea</i>	Hosta Plantain Lily (Fragrant)
<i>Cassia artemisoides</i>	Feathery Cassia	<i>H. Sieboldiana</i>	Hosta Searsucker*
<i>Ceanothus rigidus</i>	Wild Lilac	<i>Houttuynia cordata var variegata</i>	
<i>Ceratostigma plumbagonoides</i>		<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Chamaecyparis pisifera</i>	False Cypress	<i>Ilex Bernyi</i>	Holly
<i>Chrysanthemum nipponicum</i>		<i>Ilex cornuta</i>	Chinese Holly
<i>Cleyera japonica</i>	Cleyera	<i>I. crenata</i>	Japanese Holly Helleri
<i>Citrus</i> spp	Citrus species*	<i>I. opaca</i>	American Holly
<i>Coreopsis</i> sp	Coreopsis (Calliopsis) Early Sunrise Moonbeam	<i>I. vomitoria</i>	Yaupon Holly, Schillings
<i>Cornus florida</i>	Flowering Dogwood	<i>Inula ensifolia</i>	
<i>C. stolonifera</i>	American Dogwood	<i>Iris ensata</i>	Sword Leaved Iris, Jodlesong
<i>Cortaderra selloana</i>	Pampas Grass	<i>Iris siberica</i>	Siberian Iris Cabernet
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster	<i>Iris</i> spp	Iris species**
<i>C. buxifolius</i>	Cotoneaster	<i>Jasminium nudiflorum</i>	Winter Jasmine
		<i>Juniperus chinensis</i>	Chinese Juniper Nicks 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>	Parsoni	<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>J. horizontalis</i>	Creeping Juniper	<i>Prunus Laurocerasus</i>	English Laurel
<i>Juglans sp</i>	Walnut*	<i>Prunus sp</i>	Almond Apricot Nectarine Peach
<i>Justicia brandegeana</i>	Shrimp Plant		Plum and Prune*
<i>Lagerstromia indica</i>	Crape Myrtle	<i>Pseudotsuga Menziesii</i>	Douglas Fir**
<i>Lagerstromia indica X Faurier</i>	Crape Myrtle Tuscarora	<i>Pyracantha coccinea</i>	Firethorn (Scarlet)
<i>Lantana montevidensis</i>	Weeping Lantana	<i>P Fortuneana</i>	Firethorn
<i>Lavender sp</i>	Lavender Munstead	<i>P Koidzumii</i>	Firethorn
<i>Leontopodium alpinum</i>	Edelweiss	<i>Pyrus sp</i>	Bradford Pear sp
<i>Ligustrum sinense</i>	Chinese Privet Variegata	<i>Quercus Shumardii</i>	Oak Shumard's Red
<i>Ligustrum amurense</i>	Amur Privet	<i>Quercus spp</i>	Oak species
<i>L japonicum</i>	Japanese Privet	<i>Raphiolepis indica</i>	Indian Hawthorne
<i>L lucidum</i>	Glossy Privet (Waxleaf)	<i>Raphiolepis umbellata</i>	Yedda Hawthorn
<i>Lilium sp</i>	Lily Jazz	<i>Rhododendron</i>	Coral Bells
<i>Liriope Muscari</i>	Big Blue Lily Turf Silver Mound Evergreen Giant	(including Azalea)	Delaware Valley White Flame Creeper'
<i>Liriope Muscari var variegata</i>	Liriope Variegated		Formosa
<i>Liriope spicata</i>	Liriope Creeping		Girard Crimson
<i>Lobelia Cardinalis</i>	Cardinal Flower Indian Pink		George L. Tabor'
<i>Lonicera japonica</i>	Japanese Honeysuckle		Hino crimson
<i>L. tatarica</i>	Tatarian Honeysuckle		PJM
<i>Loropetalum chinense</i>	Burgundy		Roseum Elegans
<i>Lythrum sp</i>	Loosestrife Modern Pink		Wakelebsu
<i>Magnolia spp</i>	Magnolia species**		White Gumbo'
<i>Maleophora luteola</i>	Ice Plant	<i>Rosa Banksiae</i>	Lady Bank's Rose
<i>Malus sp</i>	Crabapple*	<i>Rosmarinus officinalis</i>	Rosemary*
<i>Miscanthus sinensis</i>	Yaku Jima Silberfeder	<i>Rudbeckia sp</i>	Black Eyed Susan Goldstrum
<i>Nandina domestica</i>	Heavenly Bamboo	<i>Santolina virens</i>	Santolina
<i>Narcissus spp</i>	Narcissus species**	<i>Saxifraga sp</i>	Saxifrage Purple Dome
<i>Nerium oleander</i>	Oleander	<i>Scabiosa sp</i>	Pincushion Flower
<i>Olea europaea</i>	Olive*	<i>Sedum album</i>	Stoncrop
<i>Ophiopogon japonicus</i>	Mondo Grass	<i>Sedum cauticola</i>	Stoncrop Lidakense
<i>Osmanthus heterophyllus</i>	Osmanthus (False Holly) Gulf Tide	<i>Sedum dasyphyllum</i>	Stoncrop
<i>Osteospermum fruticosum</i>	Trailing African Daisy	<i>Sedum spurium</i>	Stoncrop Dragon's Blood
<i>Oxydendrum arboreum</i>	Sourwood	<i>Spiraea Bumalda</i>	Spiraea Anthony Waterer
<i>Paeonia suffruticosa</i>	Tree Peony	<i>Syzygium paniculatum</i>	Australian Brushcherr /
<i>Pennisetum setaceum</i>	Fountain Grass (Dwarf)	<i>Taxus cuspidata</i>	Japanese Yew
<i>Perovskia atriplicifolia</i>		<i>T media</i>	Yew
<i>Persea americana</i>	Avocado*	<i>Teucrium sp</i>	Germander
<i>Photinia Fraseri</i>	Fraser's Photinia (Redtip)	<i>Thalictrum dipterocarpum</i>	Meadow Fle
<i>Physotegia Virginiana</i>	Dragonhead False Vivid	<i>Thuja occidentalis</i>	American Arborvitae
<i>Picea spp</i>	Spruce species** (Colorado Blue Norway etc )	<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Pieris japonica</i>	Lily of the Valley Bush	<i>Tsuga canadensis</i>	Canada Hemlock
<i>Pinus brutia</i>	Calabrian Pine	<i>Tulipa spp</i>	Tulip species
<i>P canariensis</i>	Canary Island Pine	<i>Veronicac sp</i>	Veronica Speedwell סלון סלון סלון
<i>P elliotii</i>	Slash Pine	<i>Viburnum japonicum</i>	Japanese Viburnum
<i>P halepensis</i>	Aleppo Pine	<i>V odoratissimum</i>	Sweet Viburnum
<i>P nigra</i>	Austrian Pine	<i>V plicatum</i>	Japanese Snowball
<i>P palustris</i>	Longleaf Pine	<i>V rigidum</i>	Canary Island Viburnum
<i>P radiata</i>	Monterey Pine	<i>V suspensum</i>	Arrowood Viburnum
<i>P Thunbergiana</i>	Japanese Black Pine	<i>V tinus</i>	Laurustinus
<i>P strobus</i>	Eastern White Pine	<i>V trilobium</i>	Cranberry Bush
<i>P syvestris</i>	Scotch Pine	<i>V wrightii</i>	Leatherleaf Viburnum
<i>P taeda</i>	Loblolly Pine	<i>Vinca major</i>	Greater Perwinkle Vinca
<i>P virginiana</i>	Virginia Pine	<i>Vinca minor</i>	Common Perwinkle Vinca
<i>Pistachio sp</i>	Pistachio*	<i>Vitis sp</i>	Grape*
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum	<i>Weigela florida</i>	Old Fashioned Weigela
		<i>Yucca aloifolia</i>	Spanish Bayonet Yucca
		<i>Y filamentosa</i>	Adam's Needle Yucca

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  
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

Table with columns: Spreader, Speed (Ground MPH, PTO RPM), Width of Coverage, Settings (3#/1000 Sq Ft), Spreader, Speed (Ground MPH, PTO RPM), Width of Coverage, Settings (3#/1000 Sq Ft). Rows include Cyclone, Ezee Flow (109), Lely (HR), Lely (W), Scotts (Drop Type), Scotts (Rotary), and Scotts (Rotary) R7X.

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]
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...
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/leb/sea.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, sidewalk, or street back on to your lawn/garden.
9 FOR FLORIDA: We recommend that you follow the Golf Course BMP's at http://www.dep.state.fl.us/water/nonpoint/docs/glfump07.pdf
10 Apply once for the whole season.
11 For technical assistance or more information about our products, visit www.xyz.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 xxx (insert phone graphic)
15 This Bag Treats Up to \_\_\_\_\_ Square Feet

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 PREEMERGENCE WEED CONTROL (0 38% BARRICADE) 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]
- 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 a thicker greener lawn [turf]
- 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)

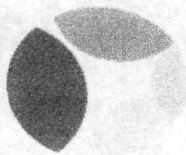
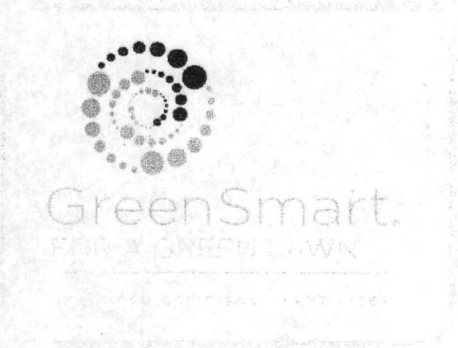
Claims regarding Slow Release Fertilizer Properties

- 1 [[LEBANON FERTILIZER WITH BARRICADE PREEMERGENCE WEED CONTROL (0 38% BARRICADE) 13 0 4or This product] feeds and greens with [slow release] fertilizer [for up to 3 months] [for up to 12 weeks]
- 2 Feeds [greens] [strengthens] [thickens] [your lawn] [turf] for up to 3 months [12 weeks]
- 3 Feeds [your] lawn [turf] up to 12 weeks
- 4 Greens up to 3 months [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]

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] [Improves root growth and Plant Storage Capacity]	Improves Plant [turf] Hardiness & Drought Resistance

Claims regarding GreenSmart™ Fertilizer Properties

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



**GREEN SMART**  
FOR A GREEN LAWN  
ENHANCED EFFICIENCY FERTILIZER





5. GreenSmart™ is a 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™ enhances poor soil, creating an environment in which lawns [turf] can thrive. GreenSmart produces thick, green lawns [turf].
12. GreenSmart™ 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™ 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™ are [is] able to tolerate the stress from heat and drought. GreenSmart 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. 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™ works by enriching your soil with nutrients. GreenSmart revitalizes the soil, which aids in the development of a larger, deeper and better root system. The enhanced habitat 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