

961-365

10/28/2010

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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

OCT 28 2010

Dear Ms. Covert:

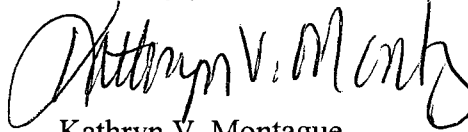
SUBJECT: Label Amendment
Lebanon Fertilizer with Barricade 0.38% Preemergence Weed Control
EPA Registration No. 961-365
Your Application Dated July 23, 2010

The label amendment referred to above, submitted in accordance with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comments:

1. While no additional data is being requested at this time, marketing claims made on the pesticide label must be substantiated by data maintained in your files. If data supporting marketing claims made on the product label is not available then those claims must be removed.
2. 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 stamped copy is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment. This amended labeling supersedes all previously accepted ones.

Sincerely yours,



Kathryn V. Montague
Product Manager (23)
Herbicide Branch
Registration Division (7505P)

Enclosure

LEBANON FERTILIZER WITH BARRICADE® 0.38% PREEMERGENCE WEED CONTROL

ACTIVE INGREDIENT:

Prodiamine: 0.38%

OTHER INGREDIENTS: 99.62%

TOTAL 100.00%

(L) (D)

EPA Reg. No. 961-365

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.

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% (P₂O₅)
Potassium 6% (K₂O)

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)

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

OCT 28 2010

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**

961-365

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 or 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 0.38% PREEMERGENCE WEED CONTROL 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 0.38% 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 0.38% 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 0.38% PREEMERGENCE 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.

APPLICATION DIRECTIONS

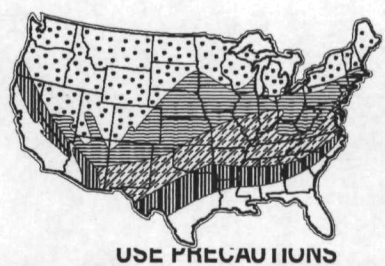
Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF

[LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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 0.38% 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 0.38% PREEMERGENCE 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 0.38% PREEMERGENCE WEED CONTROL or this product] in turf-grasses and lawns:

Application of [LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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 0.38% 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 cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year.

Application of [LEBANON FERTILIZER WITH BARRICADE 0.38% 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 0.38% 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 0.38% 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 0.38% 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 0.38% PREEMERGENCE WEED CONTROL or this product] is related to the rate applied.

MAXIMUM ANNUAL RATES

[LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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 0.38% PREEMERGENCE WEED CONTROL by Turfgrass Species¹⁾

Turf Species:	Lbs. Product/Acre	Lbs. Product/1,000 Sq. Ft.	Lbs. AI/Acre
Bermudagrass ²⁾ , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including turf-type), Zoysia	395	8.9	1.5
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

¹⁾ These are the maximum rates per calendar year by species limitations.

²⁾ 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 0.38% PREEMERGENCE WEED CONTROL or this product] per calendar year.
- Use higher rates of [LEBANON FERTILIZER WITH BARRICADE 0.38% 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 0.38% PREEMERGENCE WEED CONTROL or this product] will provide control of the following weeds:

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

Panicum (Texas, Fall, Browntop) Pigweed	Purslane, Common Pusley, Florida Rescuegrass ³	Shepherd's Purse ² Signalgrass, Broadleaf Speedwell, Persian	Sprangletop Spurge, Prostrate Witchgrass	Woodsorrel, Yellow (from seed)
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¹ In many areas a single application of 170 to 395 lbs./Acre of [LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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.

² Applications for this weed should be made 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 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 0.38% 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 0.38% PREEMERGENCE WEED CONTROL 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 0.38% PREEMERGENCE WEED CONTROL Rate (lb./A)		Months Before Overseeding		
Product	AI	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)

[LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL or This product] may be applied for residual preemergence weed control in ornamentals.

USE RATES

Apply [LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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 0.38% 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 0.38% 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 0.38% 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 0.38% PREEMERGENCE WEED CONTROL 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 0.38% PREEMERGENCE WEED CONTROL 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 0.38% PREEMERGENCE WEED CONTROL or this product] in the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

[LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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 0.38% PREEMERGENCE WEED CONTROL or This product]. Apply [LEBANON FERTILIZER WITH BARRICADE 0.38% 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 0.38% 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 0.38% PREEMERGENCE WEED CONTROL or this product]. Best results will be obtained when [LEBANON FERTILIZER WITH BARRICADE 0.38% 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. [LEBANON FERTILIZER WITH BARRICADE 0.38% PREEMERGENCE WEED CONTROL 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 0.38% 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>Cretaegus</i> spp.	Hawthorne
<i>A. platanoides</i>	Norway Maple	<i>Crocsmia</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 gladywynensis</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>	English Ivy
<i>Buxus microphylla</i>	Japanese Boxwood	<i>Hellanthemum</i> sp.	Sunrose
<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 Sharon**
<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>	Cléyera	<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>Cortaderia 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; Nick's Compact, Parsonnii

Scientific Name

Common Name

Scientific Name

Common 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 heterophyllus
Osteospermum fruticosum
Oxydendrum arboreum
Paeonia suffruticosa
Pennisetum setaceum
Perovskia atriplicifolia
Persea americana
Photinia Fraseri
Physotegia Virginiana
Picea spp.

Pieris japonica
Pinus brutia
P. canariensis
P. elliotii
P. halepensis
P. nigra
P. palustris
P. radiata
P. Thunbergiana
P. strobus
P. syvestris
P. taeda
P. virginiana
Pistachio sp.
Pittosporum rhombifolium

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

P. tobira
Podocarpus macrophyllus
Prunus Laurocerasus
Prunus sp.

Pseudotsuga Menziesii
Pyracantha coccinea
P. Fortuneana
P. Koidzumii
Pyrus sp.
Quercus Shumardii
Quercus spp.
Raphiolepis indica
Raphiolepis umbellata
Rhododendron
 (including Azalea)

Rosa Banksiae
Rosmarinus officinalis
Rudbeckia sp.
Santolina virens
Saxifraga sp.
Scabiosa sp.
Sedum album
Sedum cauticola
Sedum dasyphyllum
Sedum spurium
Spiraea Bumalda
Syzygium paniculatum
Taxus cuspidata
T. media
Teucrium sp.
Thalictrum dipterocarpum
Thuja occidentalis
Trachelospermum asiaticum
Tsuga canadensis
Tulipa spp.
Veronic sp.
Viburnum japonicum
V. odoratissimum
V. plicatum
V. rigidum
V. suspensum
V. tinus
V. trilobium
V. wrightii
Vinca major
Vinca minor
Vitis sp.
Weigela florida
Yucca aloifolia
Y. filamentosa

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
 Arrowwood 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.

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

Spreader	Speed		Width of Coverage	Settings 3#/1000 Sq. Ft.	Spreader	Speed		Width of Coverage	Settings 3#/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.

[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 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-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 onto your lawn/garden.
9. FOR FLORIDIA: We recommend that you follow the Golf GCourse BMP's at: <http://www.dep.state.fl.us/water/nonpoint/docs/glfomp07.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-xxxx. (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 .38% Preemergence Weed Control] – All the fertilizer nutrients your lawn [turf] needs [for spring] [for fall]
- 2. [Lebanon Fertilizer with Barricade .38% 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 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 .38% Preemergence Weed Control or 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



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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