

Lebanon Pro



BRAND

Doc ID 530410

ACCEPTED
FOR REGISTRATION

March 5, 2012

New York State Department
of Environmental Conservation
Division of Materials Management
Pesticide Product Registration

FERTILIZER

WITH

Prodiamine 0.38%

PREEMERGENCE WEED CONTROL

16-0-5



WITH
LSN[®]

LebanonTurf Stabilized Nitrogen

GUARANTEED ANALYSIS

Total Nitrogen (N) 16.0%
16% Urea Nitrogen*
Soluble Potash (K₂O) 5.0%
Derived from: Urea, Muriate of Potash,
Chlorine (Cl) not more than 5.0%
*8.0% Stabilized Urea Nitrogen with N-(n-butyl) thiophosphoric triamide.



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F009 22-40160

FOR FLORIDA: We recommend that you follow the Golf Course BMP's at:
<http://www.dep.state.fl.us/water/management/management/golfbmp07.pdf>

Information regarding the contents and levels of metals in this product is available on the internet at:
<http://www.regulatory-info-lebanon.com>

NOTE: Supplemental applications of lawn fertilizer are needed to achieve a minimum 1 lb. Nitrogen per 1,000 sq. ft.

SUGGESTED SPREADER SETTINGS

Spreader	500,000 sq. ft.	Spreader	500,000 sq. ft.
LebanonTurf	45	Lebanon Turf (Electric)	575
Anderson AcePro	5	PowerMule 300	8
Earthway Rotary	25	ProDodge 28	8
Handy	25	Topcon	4%
Lady	8.8	Woods full model	24

These settings were calibrated and field tested. However, size and condition of operator, speed of operation and unevenness of terrain may require slightly different settings for desired coverage.

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)

ACTIVE INGREDIENT:

Prodiamine 0.38%

OTHER INGREDIENTS: 99.62%

TOTAL: 100.00%

EPA Reg. No. 981-065

(E) (D)
EPA Est. No. 981-PA-01361-C-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.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back panel for First Aid and additional Precautionary Statements.



For technical assistance or more information about our products visit www.LebanonTurf.com

Manufactured by:
Lebanon Seaboard Corporation
1600 E. Cumberland St. • Lebanon, PA 17042
Made in the U.S.A.
www.LebanonTurf.com

Net Weight 50 LBS. (22.7 kg)

FERTILIZER

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Prodiamine 0.38%

PREEMERGENCE WEED CONTROL

16-0-5



WITH **LSN**[®]

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<http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf>

Information regarding the contents and levels of metals in this product is available on the Internet at:
<http://www.regulatory-info-lebsea.com>

NOTE: Supplemental applications of lawn fertilizer are needed to achieve a minimum 1 lb. Nitrogen per 1,000 sq. ft.

SUGGESTED SPREADER SETTINGS			
Spreader	3#/1,000 sq. ft.	Spreader	3#/1,000 sq. ft.
LebanonTurf	4½	Lesco (letter/Numeric)	I/17
Andersons AccuPro	K	PennMulch HVO	K
Earthway Rotary	15	ProScape SS	K
Gandy	26	Spyker	4½
Lely	5 II	Vicon (all models)	24

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.

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ACTIVE INGREDIENT:

Proflaminate 0.38%

OTHER INGREDIENTS: 99.62%

TOTAL 100.00%

EPA Reg. No. 961-365

(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.

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**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.

IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • 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) 208-1388 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. 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. This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when 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 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.

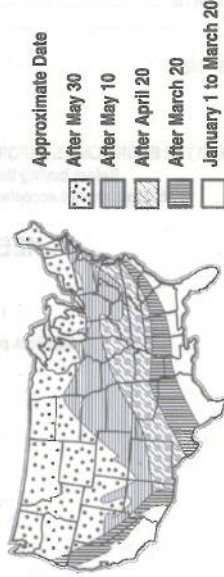
Apply uniformly with suitable, calibrated application equipment.

APPLICATION DIRECTIONS

ESTABLISHED TURF

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 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 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



USE PRECAUTIONS

The following precautions apply to the use of this product in turfgrasses and lawns:
Application of this product may thin emerged annual bluegrass and newly overseeded grasses.
Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer.
Do not apply to newly set sod until the following year.
Application of 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 dethatching may result in reduced weed control.
Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

RATES OF APPLICATION

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. 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 this product is related to the rate applied.

MAXIMUM ANNUAL RATES

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 PRO BRAND FERTILIZER WITH PRODIAMINE 0.38%

PREEMERGENCE WEED CONTROL by Turfgrass Species¹⁾

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

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 this product per calendar year.

• Use higher rates of this product to achieve higher levels of fertility and longer periods 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 this product will provide control of the following weeds:

Barnyardgrass	Herbiv	Kochia	Purslane, Common	Speckled, Persian
Bluegrass, Annual (<i>Poa annua</i>)	Crabgrass (large, smooth)	Lambquarter, Common	Pursley, Florida	Sprangletop
Carpetweed	Crowfootgrass	Lovegrass	Rescuegrass ³⁾	Surge, Prostrate
Chickweed, Common	Cupgrass, Woolly	Panicum (Texas, Fall, Browntop)	Shepherd's Purse ²⁾	Witchgrass
Chickweed, Mouseear (from seed)	Foxtails, Annual	Pigweed	Signalgrass, Broadleaf	Woodsorel, Yellow (from seed)
	Goosegrass ¹⁾			
	Johnsongrass (from seed)			
	Juncifera			
	Knotweed			

¹⁾ In many areas a single application of 170 to 395 lbs./Acre of 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 this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

WHEN TO OVERSEED AFTER APPLICATION

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 PRO BRAND FERTILIZER WITH PRODIAMINE 0.38%

PREEMERGENCE WEED CONTROL Rate (lb./A)

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)

This product may be applied for residual preemergence weed control in ornamentals.

USE RATES

Apply 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

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when 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 this product is applied to soil free of clods, weeds, and debris such as leaves. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence herbicide.

ESTABLISHED LANDSCAPE ORNAMENTALS

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 this product in the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

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 this product. Apply this product after cuttings form roots and become established. Apply before budding/grafting or after bud/grafts have taken to avoid any inhibition of the tissue union.

TOLERANT ORNAMENTAL SPECIES

This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when 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. 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 this product.

Fir species**	Wintergreen Barbary	Sumrise, Moonbeam	Holly	Japanese Privet	Tree Peony	Black-Eyed Susan;	Canary Island Viburnum
(Balsam, Fraser, Noble, etc.)	Mentor Barbary	Flowering Dogwood	Chinese Holly	Glossy Privet (Waxleaf)	Fountain Grass (Dwarf)	Goldstrum	Arrowood Viburnum
Abelia; Sherwood	Japanese Barbary	American Dogwood	Japanese Holly; Helleni	Lily-Jazz	Perovskia atriplicifolia	Santolina	Laurustinus
Japanese Maple	Warty Barbary	Pampas Grass	American Holly	Big Blue Lily; Turf; Silver	Avocado*	Saxifrage; Purple Dome	Cranberry Bush
Norway Maple	<i>Bergenia cordifolia</i>	Cranberry Cotoneaster	Yaupon Holly; Schillings	Mound; Evergreen Giant	Fraser's Photinia (Redtip)	Pincushion Flower	Leatherleaf Viburnum
Yarrow; King Edward	Snowbank	Cotoneaster	<i>Inula ensifolia</i>	Liriope; Variegated	Firethorn (P. Fortuneana)	Stoncrop (Sodium album)	Greater Periwinkle; Vinca
Kiwi*	Butterfly-Bush (Dwarf Blue);	Barberry Cotoneaster	Sword-Leaved Iris;	Liriope; Creeping	Firethorn (P. Koidzumii)	Stoncrop; Liatensense	Common Periwinkle; Vinca
Lily-of-the-Nile (African Lily)	Royal Red	Rockspray Cotoneaster	Joditesong	Cardinal Flower; Indian Pink	Bradford Pear sp.	Stoncrop (Sodium)	Grape*
<i>Agapanthus orientalis</i>	Japanese Boxwood	Hawthorne	Siberian Iris; Cabernet	Japanese Honeysuckle	Oak, Shumard's Red	<i>Asyphyllum</i>	Old Fashioned Weigela
Five-Leaf or Chocolate Vine	Weeping Bottlebrush	Lucifer	Iris species**	Tatarian Honeysuckle	Oak species	Spirea; Anthony Waterer	Spanish Bayonet; Yucca
Lady's Luck; Nodding Onion	Scotch Heather	Italian Cypress	Winter Jasmine	Burundy	Indian Hawthorne	Australian Brushberry	Adam's Needle; Yucca
Japanese Anemone	Tussock Bellflower, (White	White Trailing Ice Plant	Chinese Juniper; Nick's	Loosairife; Modern Pink	Yedda Hawthorn	Japanese Yew	
Aquilegia; Red and Gold	Clips)	Copper Pink	Compact; Parsomil	Magnolia species**	Coral Bells	Japanese Yew	
Vine Hill Mandarita	Trumpet Creeper; Trumpet	Larkspur; Blue Elf	Shore Juniper; Blue Pacific	Ice Plant	'Delaware Valley White'	Yew	
Cape Weed	Flower, Madame Galen	"Zing"	Parson	Crabapple*	'Flame Creeper'	Germander	
Castile	Hottentot Fig (Ice Plant)	Dianthus; Maiden Pinks	Creeping Juniper	Yaku Jima; Silberfeder	'Formosa'	Meadow Rue	
Aster; Bonny Blue; Purple	Wild Lilac	Feathery Cassia	Walnut*	Heavenly Bamboo	'Girard Crimson'	American Arborvitae	
Dome	Ceratostigma	Coneflower; Purple; Magnus	Crape Myrtle	Narcissus species**	'George L. Tabor'	Star Jasmine	
Aster X Frikaril	<i>plumbagooides</i>	Wintercreeper	Crape Myrtle; Tuscarora	Oleander	'Hino-crimson'	Canada Hemlock	
Lady Fern; Fern Lady	False Cypress	Japanese Spindle Tree	Weeping Lantana	Mondo Grass	'PJM'	Tulip species	
Japanese Aucuba	<i>Chrysanthemum nipponicum</i>	(Evergreen Elyonimus)	Lavender; Munstead	Osmanthus (False Holly);	Roseum Elegans	Veronica; Speedwell; Sunny	
Fibrous Begonia; Hardy	Cleyera	Spreading Elyonimus	Edelweiss	Pistachio*	'White Gumbo'	Border	
Grandis	Citrus species*	Japanese Aralia	Chinese Privet; Variegata	Trailing African Daisy	Lady Bank's Rose	Japanese Viburnum	
Barberry	Coreopsis (Callipopsis); Early	Bigleaf Hydrangea	Anur Privet	Sourwood	Rosemary*	Sweet Viburnum	
						Japanese Snowball	

*Do not use on food producing trees, vines, or plants. ** Not for use on container grown plants.

NOTE: Supplemental applications of lawn fertilizer are needed to achieve a minimum of 1 pound nitrogen per 1,000 sq. ft.

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.