PRODIAMINE | GROUP 3 HERBICIDE

LebanonTuri Country Club

FERTILIZER WITH Barricade® 0.43% PREEMERGENCE WEED CONTROL

Total Nitrogen (N)	15%
1.4% Ammoniacal Nitrogen	
1.8% Water Insoluble Nitrogen*	
8.5% Urea Nitrogen	
3.3% Other Water Soluble Nitrogen*	
Soluble Potash (K ₂ 0)	10%
Sulfur (S)	4.8%
4.8% Combined Sulfur (S)	
Iron (Fe)	1.0%
0.1% Water Soluble Iron (Fe)	

Derived From: Ammonium Sulfate, Methylene Ureas, Urea, Muriate of Potash, Ferric Oxide, Ferrous Sulfate.

*5.1% Slowly available Nitrogen from Methylene Urea. Chlorine (CI) not more than ..

22-29141

...2.0%

NOTE: Supplemental applications of lawn fertilizer are needed to achieve a minimum 1 lb. Nitrogen per 1,000 sq. In the state of Maryland do not apply product at more than 0.9 Lbs total Nitrogen per 1000 sq.ft.

SUGGESTED SPREADER SETTINGS							
Spreader	3.4#/1,000 sq. ft.	4#/1,000 sq. ft.	8#/1,000 sq. ft.	Spreader	3.4#/1,000 sq. ft.	4#/1,000 sq. ft.	8#/1,000 sq. ft.
LebanonTurf	41/2	43/4	7	Lesco (letter/Num	eric) i/17	J/21	M/26
Andersons Acc	cuPro K	M	S	PennMulch HVO	L	N	S
Earthway Rota	ry 15	16	23	ProScape SS	L	N	S
Gandy	26	28	35	Spyker	41/2	43/4	7
Lely	5	6 II	7½ II	Vicon (all models)	24	26	32
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.							

Information regarding the contents and levels of metals in this product is available on the Internet at:

http://www.regulatory-info-lebsea.com

ACTIVE INGREDIENT:	
Prodiamine	0.43%
OTHER INGREDIENTS	:99.57%
TOTAL	
	(L) (D)
FPA Reg. No. 961-362	FPA Fst No 961-PA-01:961-II -01

Superscript used is first letter of lot number.

For selective preemergence control of grass and broadleaf weeds as

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

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

Precautionary Statement

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.
- Take off contaminated clothing.
- IF ON SKIN OR CLOTHING:

IF INHALED:

- · Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- · 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.

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,

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

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 listed 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

WEED RESISTANCE MANAGEMENT

For resistance management, LebanonTurf Country Club Fertilizer with Barricade 0.43% Preemergence Weed Control is a Group 3 herbicide. Any weed population may contain certain or develop plants naturally resistant to LebanonTurf Country Club Fertilizer with Barricade 0.43% Preemergence Weed Control and other Group 3 herbicides The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be

To delay herbicide resistance take one or more of the following steps

Rotate the use LebanonTurf Country Club Fertilizer with Barricade 0.43% Preemergence Weed Control or other Group 3 herbicides within a growing season with different

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

Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment. If weed population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a

Contact your sales representative, pest control advisors, or local extension specialist for additional pesticide resistance management and/or integrated weed management recommendations for specific types of plants and weed biotypes.

Apply uniformly with suitable, calibrated application equipment.

APPLICATION DIRECTIONS

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 turigrasses 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. 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.

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 disking may result in reduced weed contro

Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (Poa annua) are desirable species.

BATES 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 must 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 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 LebanonTurf Country Club FERTILIZER WITH BARRICADE 0.43% WEED CONTROL by Turfgrass Species 1

Turf Species:	Lbs. Product/Acre	Lbs. Al/Acre	Lbs. Product/1,000 Sq. Ft
Bermudagrass ²), Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass,	349	1.5	8.0
Tall Fescue (including turf-type), Zoysia			
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	233	1.0	5.3
Creeping Red Fescue	175	0.75	4.0
Creeping Bentgrass	150	0.65	3.4
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 121 lbs/Acre. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

 Do not apply more than 349 lbs. of this product per calendar year.
 Use higher rates of 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 this product will provide control of the following weeds

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

- 1 In many areas a single application of 150 to 349 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 150 to 233 lbs./Acre followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turfgrass species listed in the Maximum Annual Rate Table
- ² Apply this product in late summer, fall or winter prior to germination

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

WHEN TO APPLY AFTER OVERSEEDING TURF

Do not apply to overseeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if 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

LebanonTurf Country Club FERTILIZER WITH BARRICADE 0.43%

PREEMERGENCE WEED CONTROL Hate (ID./A)			World's before Overseeding		
Product	Al	North	Transition	South	
116	.50	4	4	4	
150	.66	5	4	4	
175	.74	6	5	5	
185	.80		6	6	
233	1.00		7	7	
265	1.14			9	
302	1.30			10	
349	1.50			12	

LANDSCAPE ORNAMENTALS (including Established Perennials and Wildflower Plantings)

This product may be applied for residual preemergence weed control in orname

USE BATES

Apply this product at 150 to 349 lbs./Acre in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications are to be made so long as the total amount of product applied does not exceed the maximum annual application rate of 349 lbs./Acre.

APPLICATION TIMING AND INFORMATION

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

Apply this product in the fall and/or spring to established ornamentals as a broadcast, over the top or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate this product in the soil.

NEWLY TRANSPLANTED LANDSCAPE ORNAMENTALS

Apply this product in the fall and/or spring to newly transplanted ornamentals as a broadcast, over the top or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply 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.

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

Net Weight 50 LBS. (22.7 kg)

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Barricade is a registered trademark of a Syngenta Group Company.

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. Apply this product over the top of these species.

When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product.

Fir species**	Cooperi Pink	Amur Privet	Bradford Pear sp.
(Balsam, Fraser, Noble, etc.)	Larkspur: Blue Elf	Japanese Privet	Oak, Shumard's Red
Abelia: Sherwood	Dianthus; Maiden Pinks "Zing"	Glossy Privet (Waxleaf)	Oak species
Japanese Maple	Cheddar Pink	Lily: Jazz	Indian Hawthorne
Norway Maple	Hop Bush	Big Blue Lily; Turf; Silver Mound;	Yedda Hawthorn
	Coneflower, Purple; Magnus	Evergreen Giant	'Coral Bells'
Yarrow: King Edward	Silverberry		
Kiwi*		Liriope, Variegated	'Delaware Valley White'
Lily-of-the-Nile (African Lily)	Wintercreeper	Liriope, Creeping	'Flame Creeper'
Agapanthus orientalis	Japanese Spindle Tree	Cardinal Flower, Indian Pink	'Formosa'
Five-Leaf or Chocolate Vine	(Evergreen Euonymus)	Japanese Honeysuckle	'Girard Crimson'
Lady's Leek, Nodding Onion	Spreading Euonymus	Tatarian Honeysuckle	'George L. Tabor'
Japanese Anemone	Japanese Aralia	Burgundy	'Hino-crimson'
Aquilegia: Red and Gold	Border Forsythia	Loosestrife; Modern Pink	'PJM'
Vine Hill Manzanita	Weeping Forsythia	Magnolia species**	'Roseum Elegans'
Cape Weed	Greenstem Forsythia	Ice Plant	'Wakeiebisu'
Wormwood; Silver Mound, Castle	Gaillardia, Blanket Flower:	Crabapple*	'White Gumbo'
Aster: Bonny Blue, Purple Dome	"Goblin"	Yaku Jima, Silberfeder	Lady Bank's Rose
Aster X Frikartii	Gardenia, Cape-Jasmine, Radicans	Heavenly Bamboo	Rosemary*
Lady Fern; Fern Lady	Gaura sp.	Narcissus species**	Black-Eyed Susan; Goldstrum
Japanese Aucuba	Gentian	Oleander	Santolina
Fibrous Begonia: Hardy Grandis	Cranesbill	Olive*	Saxifrage; Purple Dome
Barberry	Gladiolus species**	Mondo Grass	Pincushion Flower
Wintergreen Barberry	Baby's Breath	Osmanthus (False Holly): Gulf Tide	Stonecrop (Thalictrum dipterocarpum)
Mentor Barberry	English Ivy	Trailing African Daisy	Stonecrop; Lidakense
Japanese Barberry	Sunrose	Sourwood	Stonecrop (Trachelospermum asiatum)
Warty Barberry	Daylily: Aztec Gold, Stella De Oro,	Tree Peony	Stonecrop; Dragon's Blood
Bergenia cordifolia	Tender Love	Fountain Grass (Dwarf)	Spirea: Anthony Waterer
Snowbank	Rose of Sharon**	Perovskia atriplicifolia	Australian Brushcherry
Butterfly-Bush (Dwarf Blue);	Mallow: Disco Belle White	Avocado*	Japanese Yew
Royal Red	Chinese Hibiscus	Frasier's Photinia (Redtip)	Yew
Japanese Boxwood	Hosta, Plantain Lily (Fragrant)	Dragonhead, False; Vivid	Germander
Weeping Bottlebrush	Hosta, "Searsucker"	Spruce species**	Meadow Rue
Scotch Heather	Houttuynia cordata var. variegata	(Colorado Blue, Norway, etc.)	American Arborvitae
Tussock Bellflower, (White Clips)	Bigleaf Hydrangea	Lily-of-the-Valley Bush	Star Jasmine
Trumpet Creeper, Trumpet Flower,	Holly	Calabrian Pine	Canada Hemlock
Madame Galen	Chinese Holly	Canary Island Pine	Tulip species
Hottentot Fig (Ice Plant)	Japanese Holly; Helleri	Slash Pine	Veronica, Speedwell; Sunny
Feathery Cassia	American Holly	Aleppo Pine	Border
Wild Lilac	Yaupon Holly; Schillings	Austrian Pine	Japanese Viburnum
Ceratostigma plumbagonoides	Inula ensifolia	Longleaf Pine	Sweet Viburnum
False Cypress	Sword-Leaved Iris; Jodlesong	Monterey Pine	Japanese Snowball
Chrysanthemum nipponicum	Siberian Iris; Cabernet	Japanese Black Pine	Canary Island Viburnum
Cleyera	Iris species**	Eastern White Pine	Arrowood Viburnum
Citrus species*	Winter Jasmine	Scotch Pine	Laurustinus
Coreopsis (Calliopsis): Early	Chinese Juniper; Nick's Compact,	Loblolly Pine	Cranberry Bush
Sunrise, Moonbeam	Parsonii	Virginia Pine	Leatherleaf Viburnum
Flowering Dogwood	Shore Juniper; Blue Pacific	Pistachio*	Greater Periwinkle, Vinca
American Dogwood	Parsonii	Queensland Pittosporum	Common Periwinkle, Vinca
Pampas Grass	Creeping Juniper	Japanese Pittosporum	Grape*
Cranberry Cotoneaster	Walnut*	Japanese Yew	Old Fashioned Weigela
Cotoneaster	Shrimp Plant	English Laurel	Spanish Bayonet, Yucca
Bearberry Cotoneaster	Crape Myrtle	Almond, Apricot, Nectarine, Peach,	Adam's Needle, Yucca
Rockspray Cotoneaster	Crape Myrtle; Tuscarora	Plum and Prune*	
Hawthorne	Weeping Lantana	Douglas Fir**	
Lucifer	Lavender; Munstead	Firethorn (Scarlet)	
Italian Cypress	Edelweiss	Firethorn (P. Fortuneana)	
White Trailing Ice Plant	Chinese Privet; Variegata	Firethorn (P. Koidzumii)	
* Do not use on food producing trees	vines or plants ** Not for use on containe	r grown plants	

^{*} 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

WARRANTY

NOTE To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.