

# Lebanon Pro



## FERTILIZER WITH Prodiamine 0.38%

PREEMERGENCE WEED CONTROL

# 18-0-4



## CONTAINS SCU

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	18.0%
18.0% Urea Nitrogen*	
Soluble Potash (K <sub>2</sub> O) .....	4.0%
Sulfur (S) .....	2.0%
2.0% Free Sulfur (S)	
Derived From: Urea, Sulfur Coated Urea, Muriate of Potash.	
Chlorine (Cl) not more than .....	4.0%
*4.5% Slowly available Nitrogen from Sulfur Coated Urea.	



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	3.9#/1,000 sq. ft.	Spreader	3.9#/1,000 sq. ft.
LebanonTurf	4½	Lesco (letter/Numeric)	J/21
Andersons AccuPro	M	PennMulch HVO	N
Earthway Rotary	16	ProScape SS	N
Gandy	28	Spyker	4½
Lely	6 II	Vicon (all models)	26

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.

MESA®, PennMulch® and ProScape® are registered trademarks of Lebanon Seaboard Corporation.

### For selective preemergence control of listed grass and broadleaf weeds in:

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

#### ACTIVE INGREDIENT:

Prodiamine .....	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.  
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](http://www.LebanonTurf.com)

Manufactured by:  
**Lebanon Seaboard Corporation**  
1600 E. Cumberland St. • Lebanon, PA 17042  
Made in the U.S.A.  
[www.LebanonTurf.com](http://www.LebanonTurf.com)

# Net Weight 50 LBS. (22.7 kg)

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## CAUTION

See back panel for First Aid and additional Precautionary Statements.

**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**

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor for treatment advice.</li> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor for treatment advice.</li> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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.

This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds as listed in established turfgrasses (excluding golf course putting greens) and lawns, landscape ornamentals, established perennials and wildflower plantings. 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.

**APPLICATION DIRECTIONS**

**ESTABLISHED TURF**

This product is a selective preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds as listed in established turfgrasses and lawns. The maximum amount of this product to apply per year is given for each turfgrass species in the **Maximum Annual Rates** section of this label.

Most effective weed control in turfgrasses will be obtained when 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 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 diking 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**

Apply this product as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. 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 Species<sup>1)</sup>**

<b>Turf Species:</b>	<b>Lbs. Product/Acre</b>	<b>Lbs. AI/Acre</b>	<b>Lbs./1,000 Sq. Ft.</b>
Bermudagrass <sup>2)</sup> , 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

<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 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 ( <i>Poa annua</i> )	Crowfootgrass	Itchgrass	Lambsquarter, Common	Pusley, Florida	Sprangletop
Carpetweed	Cupgrass, Woolly	Johnsongrass (from seed)	Lovegrass	Rescuegrass <sup>3)</sup>	Surge, Prostrate
Chickweed, Common	Foxtails, Annual	Jungerlice	Panicum (Texas, Fall, Browntop)	Shepherd's Purse <sup>2)</sup>	Witchgrass
Chickweed, Mouseear (from seed)	Goosegrass <sup>1)</sup>	Knotweed	Pigweed	Signalgrass, Broadleaf	Woodsorrel, Yellow (from seed)

<sup>1)</sup> 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.

<sup>2)</sup> Apply this product 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 this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

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	Months Before Overseeding		
		North	Transition	South
132	.50	4	4	4
170	.66	5	4	4
195	.74	6	5	5
210	.80	---	6	6
265	1.00	---	7	7
300	1.14	---	---	9
342	1.30	---	---	10
395	1.50	---	---	12

**LANDSCAPE ORNAMENTALS (including Established Perennials and Wildflower Plantings)**

Apply this product 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 are to be made so long as the total amount of product applied does not exceed the maximum annual application rate of 395 lbs./Acre.

**APPLICATION TIMING AND INFORMATION**

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 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/grfts 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. 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**	Wintergreen Barberry	Sunrise, Moonbeam	Border Forsythia	Holly	Japanese Privet	Tree Peony	English Laurel	Black-Eyed Susan;	Canary Island Viburnum
(Balsam, Fraser, Noble, etc.)	Mentor Barberry	Flowering Dogwood	Weeping Forsythia	Chinese Holly	Glossy Privet (Waxleaf)	Fountain Grass (Dwarf)	Almond, Apricot, Nectarine,	Goldstrum	Arrowood Viburnum
Abelia; Sherwood	Japanese Barberry	American Dogwood	Greenstem Forsythia	Japanese Holly; Helli	Lily: Jazz	<i>Perovskia atriplicifolia</i>	Peach, Plum and Prune*	Santolina	Laurustinus
Japanese Maple	Warty Barberry	Pampas Grass	Gaillardia, Blanket Flower:	American Holly	Big Blue Lily; Turf; Silver	Avocado*	Douglas Fir**	Saxifrage; Purple Dome	Cranberry Bush
Norway Maple	<i>Bergenia cordifolia</i>	Cranberry Cotoneaster	"Goblin"	Yaupon Holly; Schillings	Mound; Evergreen Giant	Frasier's Photinia (Redtip)	Firethorn (Scarlet)	Pincushion Flower	Leatherleaf Viburnum
Yarrow: King Edward	Snowbank	Cotoneaster	Gardenia, Cape-Jasmine,	<i>Inula ensifolia</i>	Liriope, Variegated	Dragonhead, False; Vivid	Firethorn ( <i>P. Fortuneana</i> )	Stoncrop ( <i>Sedum album</i> )	Greater Periwinkle, Vinca
Kiwi*	Butterfly-Bush (Dwarf Blue);	Bearberry Cotoneaster	Radicans	Sword-Leaved Iris;	Liriope, Creeping	Spruce species** (Colorado	Firethorn ( <i>P. Koizumii</i> )	Stoncrop; Lidakense	Common Periwinkle, Vinca
Lily-of-the-Nile (African Lily)	Royal Red	Rockspray Cotoneaster	<i>Gaura sp.</i>	Jodlesong	Cardinal Flower, Indian Pink	Blue, Norway, etc.)	Bradford Pear sp.	Stoncrop ( <i>Sedum</i>	Grape*
<i>Agapanthus orientalis</i>	Japanese Boxwood	Hawthorne	Gentian	Siberian Iris; Cabernet	Japanese Honeysuckle	Lily-of-the-Valley Bush	Oak, Shumard's Red	<i>dasyphyllum</i> )	Old Fashioned Weigela
Five-Leaf or Chocolate Vine	Weeping Bottlebrush	Lucifer	Cranes Bill	Iris species**	Tatarian Honeysuckle	Calabrian Pine	Oak species	Stoncrop; Dragon's Blood	Spanish Bayonet, Yucca
Lady's Leek, Nodding Onion	Scotch Heather	Italian Cypress	Gladiolus species**	Winter Jasmine	Burgundy	Canary Island Pine	Indian Hawthorne	Spirea: Anthony Waterer	Adam's Needle, Yucca
Japanese Anemone	Tussock Bellflower, (White	White Trailing Ice Plant	Baby's Breath	Chinese Juniper; Nick's	Loosestrife; Modern Pink	Slash Pine	Yedda Hawthorn	Australian Brushcherry	
Aquilegia: Red and Gold	Clips)	Cooperi Pink	English Ivy	Compact, Parsonnii	Magnolia species**	Aleppo Pine	'Coral Bells'	Japanese Yew	
Vine Hill Manzanita	Trumpet Creeper, Trumpet	Larkspur: Blue Elf	Sunrose	Shore Juniper; Blue Pacific	Ice Plant	Austrian Pine	'Delaware Valley White'	Yew	
Cape Weed	Flower, Madame Galen	Dianthus; Maiden Pinks	Daylily: Aztec Gold, Stella De	Parsoni	Crabapple*	Longleaf Pine	'Flame Creeper'	Germander	
Wormwood; Silver Mound,	Hottentot Fig (Ice Plant)	"Zing"	Oro, Tender Love	Creeping Juniper	Yaku Jima, Silberfeder	Monterey Pine	'Formosa'	Meadow Rue	
Castle	Feathery Cassia	Cheddar Pink	Rose of Sharon**	Walnut*	Heavenly Bamboo	Japanese Black Pine	'Girard Crimson'	American Arborvitae	
Aster: Bonny Blue, Purple	Wild Lilac	Hop Bush	Mallow: Disco Belle White	Shrimp Plant	Narcissus species**	Eastern White Pine	'George L. Tabor'	Star Jasmine	
Dome	<i>Ceratostigma</i>	Coneflower, Purple; Magnu	Chinese Hibiscus	Crape Myrtle	Oleander	Scotch Pine	'Hino-crimson'	Canada Hemlock	
<i>Aster X Frikartii</i>	<i>plumbagonoides</i>	Silverberry	Hosta, Plantain Lily	Crape Myrtle; Tuscarora	Olive*	Loblolly Pine	'PJM'	Tulip species	
Lady Fern; Fern Lady	False Cypress	Wintercreeper	(Fragrant)	Weeping Lantana	Mondo Grass	Virginia Pine	'Roseum Elegans'	Veronica, Speedwell; Sunny	
Japanese Aucuba	<i>Chrysanthemum nipponicum</i>	Japanese Spindle Tree	Hosta, "Searsucker"	Lavender; Munstead	Osmanthus (False Holly):	Pistachio*	'Wakeiebisu'	Border	
Fibrous Begonia: Hardy	Cleyera	(Evergreen Euonymus)	<i>Houttuynia cordata var.</i>	Edelweiss	Gulf Tide	Queensland Pittosporum	'White Gumbo'	Japanese Viburnum	
Grandis	Citrus species*	Spreading Euonymus	<i>variegata</i>	Chinese Privet; Variegata	Trailing African Daisy	Japanese Pittosporum	Lady Bank's Rose	Sweet Viburnum	
Barberry	Coreopsis (Calliopsis): Early	Japanese Aralia	Bigleaf Hydrangea	Amur Privet	Sourwood	Japanese Yew	Rosemary*	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**

**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.