

Lebanon[®] Pro



FERTILIZER
 WITH
Prodiamine 0.38%
PREEMERGENCE WEED CONTROL

18-0-4

GUARANTEED ANALYSIS

Total Nitrogen (N) 18%
 18.0% Urea Nitrogen*
 Soluble Potash (K₂O) 4%
 Derived From: urea, polymer coated urea, muriate of potash.
 *4.5% slowly available nitrogen from polymer coated urea
 Chlorine (Cl) 3%



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.

Lebanon[®], ProScape[®], PennMulch[®] 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
 Manufactured by:
Lebanon Seaboard Corporation
 1600 E. Cumberland St. • Lebanon, PA 17042
www.LebanonTurf.com

Net Weight 50 LBS. (22.7 kg)

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:	<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) 208-1368 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.

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.

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.

WEED RESISTANCE MANAGEMENT

For resistance management, Lebanon Pro Brand Fertilizer with Prodiamine 0.38% Preemergence Weed Control is a Group 3 herbicide. Any weed population may contain certain or develop plants naturally resistant to Lebanon Pro Brand Fertilizer with Prodiamine 0.38% 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 followed.

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

- Rotate the use Lebanon Pro Brand Fertilizer with Prodiamine 0.38% Preemergence Weed Control or other Group 3 herbicides within a growing season with different herbicide groups that control the same weeds.
 - 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 different mode of action, if available.
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.

APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

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.



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 disking 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 Species¹⁾

Turf Species:	Lbs. Product/Acre	Lbs. AI/Acre	Lbs./1,000 Sq. Ft.
Bermudagrass ²⁾ , Bahiagrass, Centpedegrass, 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 weed control for each turf type, but do not exceed the maximum application rates specified in the **Maximum Annual Rates Table**.

In the states of MD, NJ, VA and WA apply this product at no more than 8.9 lbs. of product per 1,000 sq. ft.

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 ³⁾	Surge, Prostrate
Chickweed, Common	Foxtails, 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 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⁾ Apply this product 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 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 results.

LEBANON PRO BRAND FERTILIZER WITH PRODIAMINE 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)

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

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.