

Pro

LEBANON Scape®

FERTILIZER WITH BARRICADE® 0.38% PREEMERGENCE WEED CONTROL

16-0-8 MESA®



GUARANTEED ANALYSIS

Total Nitrogen (N).....	16%
2.4% Ammoniacal Nitrogen	
1.5% Water Insoluble Nitrogen*	
9.6% Urea Nitrogen	
2.5% Other Water Soluble Nitrogen*	
Soluble Potash (K ₂ O).....	8.0%
Sulfur (S).....	2.8%
2.8% Combined Sulfur (S)	
Derived from: Ammonium Sulfate, Methylene Ureas, Urea, Muriate of Potash.	
Chlorine (Cl) not more than.....	7.0%
*4.0% Slowly Available Nitrogen from Methylene Ureas.	F699



22-54326

g/14

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

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

Rates in pounds per 1,000 Sq. Ft.	
Spreader Settings	3
LebanonTurf	4 1/2
Andersons AccuPro	K
Earthway Rotary	15
Gandy	26
Lely	5II
Lesco (Letter dial/numeric)	I/17
PennMulch® HVO	K
ProScape® SS	K
Spyker Rotary	4 1/2
Vicon	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.

- 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
Barricade® is a registered trademark of a Syngenta Group Company.

(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

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 OR CLOTHING:	• 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:	• 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.	



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

WITH

BARRICADE® 0.38%

PREEMERGENCE WEED CONTROL

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MESA®



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NET WEIGHT 50 LBS. (22.7 KG)

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.

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 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 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 PROSCAPE FERTILIZER WITH BARRICADE 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 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	Chickweed, Mouseear (from seed)	Foxtails, Annual	Johnsongrass (from seed)	Lambsquarter, Common	Purslane, Common	Speedwell, Persian
Bluegrass, Annual (<i>Poa annua</i>)	Crabgrass (large, smooth)	Goosegrass ¹	Junglerice	Lovegrass	Pusley, Florida	Sprangletop
Carpetweed	Crowfootgrass	Henbit	Knotweed	Panicum (Texas, Fall, Browntop)	Rescuegrass ³	Spurge, Prostrate
Chickweed, Common	Cupgrass, Woolly	Itchgrass	Kochia	Pigweed	Shepherd's Purse ²	Witchgrass
					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 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 PROSCAPE 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)

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 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.

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

* 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.

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