**FERTILIZER WITH BARRICADE® 0.43% PREEMERGENCE WEED CONTROL**

**16-0-8 MESA**

**GUARANTEED ANALYSIS**

- 

**SPEREADER SETTINGS**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Hose x diameter per 1000 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>S2</td>
</tr>
</tbody>
</table>

**PRACTICAL SOLUTIONS FOR SERIOUS TURF PROFESSIONALS**

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:**

- Mest foliar

**OTHER INGREDIENTS:**

- 99.92%

**TOTAL:**

- 100.00%

**EPA Reg. No.:**

- 061-362

**EPA Est. No.:**

- 901-14-01-01-04-0-41

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

- Do not exceed recommended rate and application. For optimal performance, use the entire contents on a single application. Do not apply if the temperature is expected to drop below 50°F or if there is light rain forecast. Do not apply to turf that is already watered.

**ENVIRONMENTAL HAZARDS**

- Do not contaminate water, wells, or other sources of drinking water.

**NET WEIGHT 50 LBS. (22.68 KG)**

LebanonTurf

For technical assistance or more information about our products, visit [www.LebanonTurf.com](http://www.LebanonTurf.com)
FERTILIZER
WITH
BARRICADE® 0.43%
PREEMERGENCE WEED CONTROL
16-0-8
MESA

GUARANTEED ANALYSIS

Total Nitrogen (N) ........................................... 16%
2.4% Ammonical Nitrogen
1.4% Water Insoluble Nitrogen*
8.2% Urea Nitrogen
2.5% Other Water Soluble Nitrogen*
Soluble Potash (K₂O) ....................................... 8%
Sulfur (S) ...................................................... 2.8%
2.0% Combined Sulfur (S)
Derived from: Ammonium Phosphate, Ammonium Sulfate, Methylene Ureas, Urea, Muriate of Potash.
Chlorine (Cl) not more than ................................ 7.0%
*3.9% Slowly Available Nitrogen from Methylene Ureas.

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

SPREADER SETTINGS

<table>
<thead>
<tr>
<th>Spreader</th>
<th>Rate in pounds per 1,000 Sq. Ft.</th>
<th>5.3</th>
<th>N</th>
<th>1B</th>
<th>K / 22</th>
<th>O</th>
<th>N</th>
<th>J</th>
<th>5.25</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProScape® SS/PrizeLAWN® BF-1/SS/CR III</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>PennMulch® HVO/PrizeLAWN® BF-HVO</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earthway Rotary</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Lesco (letter dial/numeric dial)</td>
<td></td>
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</tr>
<tr>
<td>Scotts AccuPro 2000/SR-2000</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Scotts R8A Rotary</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Scotts R7X Rotary</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Spyker Rotary</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 grass and broadleaf weeds in:
- established turfgrasses (excluding golf course putting greens) and lawns
- landscape ornamentals (including established perennials & wildflower plantings)

**ACTIVE INGREDIENT:**
Prodiamine 0.43%

**OTHER INGREDIENTS:** 99.57%

**TOTAL** 100.00%

EPA Reg. No. 961-362 EPA Est. No. 961-FA-01:961-IL-01
Barricade is a registered trademark of a Syngenta Group Company. Superscript used is first letter of lot number.
ProScape and MESA are registered trademarks of Lebanon Seaboard Corporation.

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: • Take off contaminated clothing.
OR 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.

**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 interstitial 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-remnant, disc under, cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

LebanonTurf

For technical assistance or more information about our products visit www.LebanonTurf.com
It is violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is a selective preemergence herbicide that prevents initial control of many grass and broadleaf weeds in established turfgrasses (excluding golf course putting greens) and lawns, landscape ornamentals, established perennial and biennial plantings.

This product controls susceptible weeds by inhibiting weed seedling germination and root development. Most effective weed control will be obtained when this product is applied at least 0.5 inch of rainfall or irrigation, or with 12 hours (12:00) incorporation, prior to weed seed germination and within 14 days following application.

Do not use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental parks or parks, or on golf courses or lawns and grounds.

Do not mix or store livestock feed not 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. Do not apply to areas where bluegrass grasses are not established. Do not apply to golf coarse putting greens. 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 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 Rate section of this label.

Rate-effective weed control in turfgrasses will be obtained when this product is applied 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 grass seed germination dates.

<table>
<thead>
<tr>
<th>Use Precautions</th>
<th>Turf Species</th>
<th>Lbs.</th>
<th>Product/Total</th>
<th>Lbs.</th>
<th>All</th>
<th>Acre</th>
<th>Lbs/1,000 Sq.</th>
<th>Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bermudagrass, Bahiagrass, Centipede, St. Augustine, Tall Fescue (including turf-type) Zoysia</td>
<td>340</td>
<td>1.8</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Buffalograss, Kentucky Bluegrass, Pebbly Ryegrass</td>
<td>233</td>
<td>1.0</td>
<td>53</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Creeping Red Fescue</td>
<td>175</td>
<td>0.75</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Creeping Bentgrass</td>
<td>150</td>
<td>0.60</td>
<td>34</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*These are the maximum rates per calendar year by species limitations.

**RATES OF APPLICATION**

This product may be applied as a single application or sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weed. This product will not control established weeds. Mixture 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 recommended for use on the turfgrass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table.

<table>
<thead>
<tr>
<th>WEEDS CONTROLLED</th>
<th>Bermudagrass, Bahiagrass, Centipede, St. Augustine, Tall Fescue (including turf-type) Zoysia</th>
<th>Buffalograss, Kentucky Bluegrass, Pebbly Ryegrass</th>
<th>Creeping Red Fescue</th>
<th>Creeping Bentgrass</th>
<th>Other</th>
</tr>
</thead>
</table>

When used in accordance with this label, this product will provide control of the following weeds:

- Bermudagrass, Bahiagrass, Centipede, St. Augustine, Tall Fescue (including turf-type) Zoysia
- Buffalograss, Kentucky Bluegrass, Pebbly Ryegrass
- Creeping Red Fescue
- Creeping Bentgrass
- Other

*In many areas a single application of 150 to 250 lbs./1,000 ft. of this product will control grasses. However, under heavy grass growth and/or an extended growing season, most effective weed control may be obtained by making an initial application of 150 to 250 lbs./1,000 ft. followed after 60 to 90 days by a second application at doses that would 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.

**APPLICATION DIRECTIONS**

Do not apply to golf course putting greens. Do not apply to areas where bluegrass grasses are not established. Do not apply aerially. Do not apply to golf coarse putting greens. Do not apply to golf coarse putting greens. Do not apply to areas where bluegrass grasses are not established. Do not apply to golf coarse putting greens. Apply uniformly with suitable, calibrated application equipment.

**ECONOMICAL 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 Rate section of this label.

Rate-effective weed control in turfgrasses will be obtained when this product is applied 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 grass seed germination dates.

**USE PRECAUTIONS**

The following precautions apply to the use of this product in turfgrasses and lawns:

- Application of this product in turfgrasses may be arranged by the operator.
- Do not apply to overseeded turf within 90 days of planting or until after the second mowing, whichever is longer, injury to desirable turf. Injury to undesirable species is likely if this product is applied before the second mowing, if not treated prior to application.
- Do not cut (harvest) treated sod before 150 days after application. Do not apply to newly set out sod until the following year.
- Application of this product to turf tree covered with cotyledons such as dogwood may result in reduced weed control.
- Do not apply this product to putting greens or other areas where herbicides, bentgrass, or annual bluegrass (Phalaris arundinacea) are desirable species.

**RATES OF APPLICATION**

This product may be applied as a single application or sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weed. This product will not control established weeds. Mixture 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 recommended for use on the turfgrass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table.

| WEEDS CONTROLLED | Bermudagrass, Bahiagrass, Centipede, St. Augustine, Tall Fescue (including turf-type) Zoysia | Buffalograss, Kentucky Bluegrass, Pebbly Ryegrass | Creeping Red Fescue | Creeping Bentgrass | Other |
WHEN TO OVERSEED AFTER APPLICATION

This product will inhibit the germination of turf species it is applied too soon after application. Follow rates and intervals in the table below for best oversowing/prosodating results.

LEBANON PROSCAPE FERTILIZER WITH BAKKRADE 5.43% PREEMERGENCE WEED CONTROL Rate (lbs/ Acre) Months Before Overseeding

<table>
<thead>
<tr>
<th>Product</th>
<th>W</th>
<th>North</th>
<th>Transition</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>.50</td>
<td>6</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>120</td>
<td>.60</td>
<td>6</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>175</td>
<td>.75</td>
<td>6</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>185</td>
<td>.80</td>
<td>6</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>235</td>
<td>1.00</td>
<td>7</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>285</td>
<td>1.10</td>
<td>7</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>335</td>
<td>1.20</td>
<td>7</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>385</td>
<td>1.30</td>
<td>7</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>435</td>
<td>1.50</td>
<td>8</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

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 150 to 340 lbs/acre in fall and/or spring. Use higher rates of application for longer control periods. Sequential applications may be made as long as the total amount of product applied does not exceed the maximum annual application rate of 450 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 grasses, 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 used at any time to establish landscaped ornamentals as a broadcast, over the top or directed application. Irrigation or rainfall soon after application will wash residues of 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 surface nourishment and become established. Apply before booting up/after or immediately before watering to prevent any irritation of the tissue issue.

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 delay 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.

Fl. species**
- Baldcypress
- Strawberry, Noble, etc.
- Alba: Slashwood
- Japanese Maple
- Norway Maple
- Yampa Star, Japanese
- 'Kew'
- Lily of the Valley ('Albomurale', Lily)
- Agapanthus orientalis
- Five-Leaf or Chocolate Vine
- Lady's Mantle
- Vincetoxicum
- Japanese Anemone
- African Pink and Gold
- Vine No. Multiflora
- Cape Wool
- Woodward, Silver Mound, Cabbage
- Asian: Bunny Blue, Purple Dome
- Cytisus
- Lady Fern, Fern Lady
- Japanese Amaryllis
- Physostegia, White Sage, Coreopsis
- Barbarea
- Wintercress
- Mentha suaveolens
- Japanese Barberry
- Wiry Barberry
- Schegelia cordata
- Snowdrift
- Thalictrum do Bethlehem (Dwarf White)
- Japanese Snow
- Japanese Snowflake
- Wring Baltimore
- Switchgrass
- Butterfles, White (Closest)
- Terrace, Creeping, Trumpet Flower
- Madame Galen
- Honeysuckle Fig (Bees Plant)
- Heavenly Blue (Chinese Plant)
- Gentian

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

NOTE: Supplemental sources of horticultural 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 this product in its original container in a cool, dry, locked place out of the reach of children and animals.

PESTICIDE DISPOSAL: Waste results from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Do not incinerate. Completely empty container into appropriate 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.

LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY

NOTICE: Read this Limitation of Warranty and Limitation of Liability before using or applying this product. If these terms are not acceptable, return the product to your dealer, unopened, and the purchase price will be refunded.

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, herbicidosis, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, the manner of use or application, all of which are beyond the control of The Manufacturer or Seller. All such risks shall be assumed by Buyer or User.

The Manufacturer warrants that this product conforms to the physical description on the label and is reasonably fit to the purposes stated in the Directions for Use, under normal use conditions, subject to the risks described above. THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO EVENT SHALL THE MANUFACTURER OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL or special damages resulting from the use or handling of this product.

The Manufacturer and Seller offer this product, and Buyer and User accept, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.

MANUFACTURED BY:
LEBANON SEABOARD CORPORATION
1600 EAST CUMBERLAND STREET
LEBANON, PA 17042

For technical assistance or more information about our products visit www.LebanonTurf.com
Information regarding the contents and labels of this product is available on the Internet at http://www.regulatory-info-leee.com