

Biomend® 3-4-3 Starter

- **General use natural fertilizer**
- **Use for seeding, gardens, flower beds, bulbs, trees, and shrubs**
- **Contains beneficial microbes**
- **Contains humic acids and biochar**

GUARANTEED ANALYSIS		
Total Nitrogen (N)	3.00%	
2.57% Water Insoluble Nitrogen		
0.43% Other Water Soluble Nitrogen*		
Available Phosphate (P ₂ O ₅)	4.00%	
Soluble Potash (K ₂ O)	3.00%	
Calcium (Ca)	8.60%	
Sulfur (S)	3.02%	
1.32% Combined Sulfur (S)		
1.70% Free Sulfur (S)		
Iron (Fe)	1.00%	

Derived from protein meal, potassium sulfate, distillers dried grains, rock phosphate, elemental sulfur, bone meal, and ferrous sulfate.

*0.43% slowly available nitrogen from protein meal.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Soil Amending Ingredients - Guaranteed Analysis

ACTIVE INGREDIENTS

Bacillus formis	1.47 x 10 ⁵ CFU/g
Bacillus composti.	1.47 x 10 ⁵ CFU/g
Bacillus laterosporus.	1.47 x 10 ⁵ CFU/g
Bacillus ligniniphilus	1.47 x 10 ⁵ CFU/g
Thiobacillus sulfooxidans	1.47 x 10 ⁵ CFU/g
Bacillus oleophilus.	1.47 x 10 ⁵ CFU/g
Azotobacter chrococccum	1.47 x 10 ⁵ CFU/g
Bradyrhizobium denitrificans	1.47 x 10 ⁵ CFU/g
Humic Acids (derived from leonardite).	0.90%
Biochar (derived from pecan).	1.28%

INERT INGREDIENTS

Total Other Ingredients (from fertilizer material, inactive components of leonardite, proprietary binding agent)	97.82%
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PURPOSE: Humic Acids may increase or enhance micronutrient uptake. Biochar is a carbon source structure for supporting soil microbiology. Microbials may improve nutrient release and efficiency.

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NITROGEN NOTICE: For those states with nitrogen application restrictions, including but not limited to MD, NH, NJ, PA and VA, do not apply more than 0.9 lbs. of nitrogen per 1,000 sq.ft.

PHOSPHATE NOTICE: This lawn/turf fertilizer contains phosphorus and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorus deficiency. This fertilizer is not for routine maintenance of turf.

In Maryland, this product is providing nutrients in accordance with a soil test that was conducted by a laboratory identified under 8-803.7 of this article and performed no more than 3 years before the application.

NOTE: This product contains micronutrient iron for extra greening and to help prevent iron deficiency. Iron may stain concrete and other surfaces. Misapplied product to these surfaces should be removed promptly by sweeping or blowing. DO NOT WASH OFF WITH WATER.

FLORIDA APPLICATIONS:

We recommend that you follow the Florida Green Industries BMP's at:
<http://www.flrules.org/Gateway/reference.asp?No=Ref-04706>

We recommend that you follow the Florida Golf Course BMP's at:
<http://www.flrules.org/Gateway/reference.asp?No=Ref-04702>



WARNING
CAUSES EYE, SKIN, AND RESPIRATORY IRRITATION

PRECAUTIONARY STATEMENTS

- Wear protective gloves.
- Remove contaminated clothing and wash before reuse.
- Do not breathe dusts.
- Use only outdoors or in well-ventilated area.
- Wash thoroughly after handling.
- Do not eat drink, or smoke when using this product.

FIRST AID

If inhaled:	Move victim to fresh air. Seek medical attention if if irritation persists.
If on skin:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

If in the eyes: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

If swallowed: If victim is alert and not convulsing, give one glass of water to dilute material. Seek immediate medical attention.

DIRECTIONS FOR USE

Soil Prep for Gardens and Flower Beds: Apply 25 pounds per 1000 square feet. In very poor soil, double the rate. Rototill into the upper 2 to 4 inches before planting.
Bulbs or Sprigs: Add 1 teaspoon per plant and mix with soil in planting hole.
Potting Mix: Mix into potting soil at a rate of 25 pounds per cubic yard.
Potted Plants: 1/4 pound per 1 gallon container.
Top Dressing: Apply one 25 pound bag per 2000 square feet.
Established Trees and Shrubs: Broadcast 2 pounds per 100 square feet over soil or surface mulch.
Planting Trees and Shrubs: Mix into the backfill around the root zone when planting, following the rate chart below.
Seed/Sod Installation: Broadcast or spread one 25 pound bag per 2500 square feet, then seed or lay sod.
Established Turf: Low rate: spread 25 pound bag per 7500 square feet. Medium rate: spread 25 pound bag per 3000 square feet. High rate: spread 25 pound bag per 1500 square feet.

APPLICATION RATES		
1 gallon plant	1/2 cup or 1/4 pound	100 plants per 25-lb bag
5 gallon plant	1 cup or 1/2 pound	50 plants per 25-lb bag
15 gallon plant	2 cups or 1 pound	25 plants per 25-lb bag
24 inch root ball	3 cups or 1 1/2 pounds	16 plants per 25-lb bag
36 inch root ball	5 cups or 2 1/2 pounds	10 plants per 25-lb bag
42 inch root ball	7 cups or 3 pounds	8 plants per 25-lb bag
54 inch root ball	9 cups or 4 pounds	6 plants per 25-lb bag
72 inch root ball	11 cups or 5 pounds	5 plants per 25-lb bag
Larger sizes	1/2 pound	per inch of trunk diameter

STORAGE AND USE

Store in a clean, dry place. Reseal opened bag by folding top down and securing. Use only clean, dry spreaders or applicators. Do not leave unused product in spreaders.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

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Net Wt. 25 Lbs (11.34 kg)
Covers up to 7,500 sq. ft.