



# Now You Can Get Biotic Soil Media with Erosion Control That Works.

**NEW**



## ProGanics® DUAL™

BIOTIC SOIL + EROSION CONTROL

### Get In, Get It Done and Move On

- New ProGanics DUAL is a hydraulically applied Biotic Erosion Control Matrix (BECM) that combines the soil-building properties of ProGanics® Biotic Soil Media (BSM) with the erosion control performance of a Bonded Fiber Matrix (BFM)
- Accelerates development of depleted soils and vegetative establishment while simultaneously providing highly effective erosion protection in a consolidated, one-step application
- Best for sites with:
  - Poor soil conditions, including low organic matter content
  - Low to moderate erosion potential (slopes up to 2H:1V)
  - Limited access where multiple applications add significant cost or are not feasible
  - Large projects where application efficiency is paramount
- Reduces total number of tank loads and application time without sacrificing results
  - Lowers project cost
- Simplifies complex projects by reducing the number of products to get the job done
- Application rates can be adjusted for differences in site conditions
- Features the highest water-holding capacity and erosion control effectiveness of any "all-in-one" product
- High loading
  - 75 pounds per 100 gallons (34 kg/379 L) using machines with mechanical agitation and either gear or centrifugal pumps

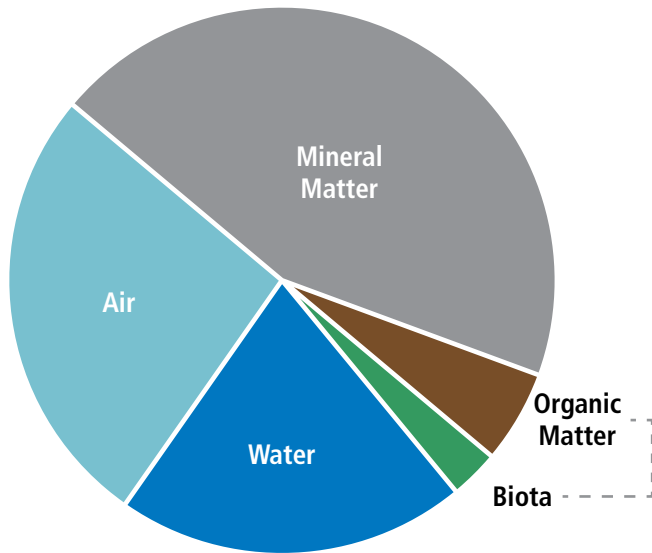


APPLICATION RATES			
% Organic Matter <sup>1</sup>	Slope Gradient	English (lb/ac)	Metric (kg/ha)
< 5.0 and ≥ 1.5	≤ 4H:1V	4,000	4,480
< 1.5 and ≥ 0.75	> 4H:1V and ≤ 3H:1V	5,500	6,160
< 0.75	> 3H:1V and ≤ 2H:1V	6,500	7,290

<sup>1</sup> Based on Soil Test Results. Refer to Profile's Soil Testing and Interpretation Guide for more information.

# Elements of Healthy Soil

In nature, sustainable vegetation exists through the biological process of organic matter breaking down in soil and delivering the nutrients plants need to grow — it's called nutrient cycling. Unfortunately, many erosion control and revegetation projects fail due to soils deficient in organic matter and biological activity. Here's how it should work:



- Microbes such as bacteria in the soil decompose organic material, making it readily available for plants to take up as nutrients
  - Fungi feed on the carbon and carbohydrates plants release and in return they help deliver water and nutrients to plants
  - With adequate nutrients and moisture available for uptake, plants flourish
  - Healthy vegetation produces new organic material to sustain this nutrient cycle process
- ProGanics' biological elements provide the spark and its organic materials are the fuel to ignite the nutrient cycle process to restore depleted soils back to health.

While the proprietary formula of ProGanics is setting the stage for accelerated vegetation establishment and sustainable growth, the renowned Profile® levels of erosion protection are provided in the same hydraulic application. When applied at recommended rates based on slope gradients, ProGanics DUAL delivers Bonded Fiber Matrix (BFM) level performance.

Once ProGanics DUAL is down on the ground, you can be confident the job's been done right and you can move to the next one.

## INGREDIENTS

Thermally Processed (within a pressurized vessel)

Bark and Wood Fibers .....	85%
Proprietary Blend of Soil Amendments and Tackifiers .....	10%
Crimped, Biodegradable Interlocking Fibers Derived from Regenerated Plant Sources .....	4%
Wetting Agents .....	1%

### Beneficial Soil Bacteria Genus & Species:

*Bacillus firmus* .....250 cfu/gram\*

### Arbuscular Mycorrhizal Fungi Genus & Species:

*Rhizophagus intraradices (Formerly Glomus sp.)* .....0.066 propagules/gram\*

\*Guaranteed minimum analysis, actual genus, species and count quantities will be higher.

One 50-pound (22.7 kg) bag = 22,680 grams

Go to [ProGanics-DUAL.com](http://ProGanics-DUAL.com) to learn more and calculate the tank loads you could be saving, or call us at **800-508-8681** or **+1-847-215-1144** for more information.



## PROFILE Products LLC

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 U.S. Patent #'s: 7,854,926; 8,728,460; 10,266,457; 10,889,758; 10,907,098 • Canada Patent #: 2,616,578

