



# TriGanics Biotic Soil Media



Solutions for your Environment™

## Description

TriGanics Biotic Soil Media™ (BSM™) is designed as an alternative to topsoil to accelerate development of depleted soils/substrates with low organic matter, low nutrient levels and limited biological activity. This Engineered Soil Media™ (ESM™) helps improve soils for vegetative establishment and more effective erosion control. TriGanics is non-toxic with bark and wood fibers that have been phyto-sanitized to eliminate potential weed seeds and pathogens - prior to the introduction of soil building components.

## Recommended Applications

- Development of Soils with Low Organic Matter (< 5%)
- Rapid Establishment and Sustained Growth of Vegetation
- Replacement of Costly or Difficult to Obtain Topsoil
- Replacement of Compost, Peat, Manure and Other Sources of Organic Material
- Typically Installed Beneath Hydraulically-applied and Rolled Erosion Control Products (HECPs and RECPs) as Growing Media.

## Soil Building and Revegetation

Mix seed and specified Prescriptive Agronomic Formulations at recommended rates in approved hydraulic seeding/mulching equipment when water has reached approximately 1/3 of the working capacity. Add TriGanics Biotic Soil Media at a rate of 100 pounds per 100 gallons of water (45 kg / 379 L) on hydraulic equipment with gear or positive displacement pumps and 75 pounds per 100 gallons of water (34 kg / 379 L) on centrifugal pumps while agitating; add fertilizer when the tank is approximately 3/4 full. Apply over properly prepared surfaces that are deemed geotechnically stable. Confirm specific material loading rates with equipment manufacturer.

## Erosion Control Solution

Apply TriGanics as directed above being sure to include all Prescriptive Agronomic Formulations, fertilizer and seed at their recommended rates. Apply EcoFlex™ HP-FGM™, EcoMatrix™ EFM™, or RECP over TriGanics as directed by manufacturer's recommendation. Follow all manufacturer's product selection guidelines or go to [www.ProfilePS3.com](http://www.ProfilePS3.com) for assistance.

## Technical Data

Physical Properties*	Test Method	Units	Typical Value
Organic Material	ASTM D586	%	> 90
Mass/Unit Area	ASTM D6566 <sup>1</sup>	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	392 (11.6)
Water Holding Capacity	ASTM D7367	%	> 500
pH	ASTM D1293	n/a	6.0 ± 1.0
Material Color	Observed	n/a	Brown
Environmental Properties*	Test Method	Units	Typical Value
Ecotoxicity	EPA 2021.0	%	48-hr LC <sub>50</sub> > 100%
Product Composition			Typical Value
Thermally Processed Bark and Wood Fibers <sup>2</sup> (within a pressurized vessel)			94%
Proprietary blend of Polysaccharide Polymers, Biochar, Seaweed Extract, Humic Acid and Endomycorrhizae			6%
Moisture Content			12%

\*When uniformly applied at a rate of 3,500 pounds per acre (3,900 kilograms/hectare) under laboratory conditions. 1. ASTM test methods developed for Rolled Erosion Control Products that have been modified to accommodate Hydraulic Erosion Control Products. 2. Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than 50 psi (345 kPa) in order to be Thermally Refined™ Processed and to achieve phyto-sanitization.

## Packaging Data

Properties	Test Method	Units	Nominal Value
Bag Weight	Scale	kg (lb)	22.7 (50)
Bags per Pallet	Observed	#	40

UV and weather-resistant plastic bags. Pallets are weather-proof stretch wrapped with UV resistant pallet cover.

## Profile Products

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