



Biotic Earth™

BECAUSE IT WORKS

Vegetation needs healthy soils that contain abundant microbial activity, proper organic matter content, and nutrients in order to thrive.

Biotic Earth BSA (Biotic Soil Amendment) improves both germination expression and establishment, and long-term vegetation survivability. Close out projects faster and increase success rates on your sites by choosing the only Biotic Soil Amendment with a guaranteed 2-year product viability.

Improves Poor Soils

Including sites with low organic matter, where existing soils have poor water holding capacity, and sites without proper microbial life in the soil.

Reduces Cost and Installation Time

When compared to other methods of soil improvement, Biotic Earth applies faster and more cost-effectively.

No Additional Microbial Additives Required

It's all in the bag—no separate additives are needed in order for Biotic Earth to effectively amend soils on your jobsite.

Speed and Ease

Reduce your time on your job! Biotic Earth is simple to load, installs quickly, and results in faster germination and project closeout. All of these features make it ideal for use on difficult-to-reach or remote sites.

Easy to Specify and Apply

With no separate amendments, a fixed-application rate, and high tank-loading (one bag per 40 gallons of water), Biotic Earth is one of the easiest BSAs to both specify and install on your project.

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WWW.ECB.CA



Biotic Earth is a Biotic Soil Amendment that can be hydraulically applied or hand-broadcasted, used to create proper soil conditions to sustain long-term plant growth and survivability. This is a bagged and concentrated product that inoculates the soil with correct and sufficient ratios of beneficial bacteria and fungus. Biotic Earth selects for both short-term and long-term vegetation growth.

Soil is a critical resource. Its management can improve or degrade that resource's quality. Soil is a complex ecosystem where living plant roots and microorganisms bind organic matter and mineral particles together into a dynamic and progressive structure regulating nutrients, air and water infiltration.

Nutrient cycling is the process by which beneficial microorganisms collect nutrients from soil organic matter. On a molecular level, these microorganisms allow plants to directly access nutrients such as phosphorus, potassium, iron, boron, calcium, and more.

During photosynthesis, plants produce simple sugars, transforming solar energy into chemical energy. They then transfer a significant portion of these sugars, and its latent chemical energy, to the bacteria and fungi species in the soil. The plant is effectively investing in these microbes to later utilize the nutrients they provide. This entire nutrient cycling process is only found in soils with sufficient microorganisms to sustain plant life. This process is a critical factor in for successfully establishing vegetation, and increasing plant survivability and longevity.

For deficient soils, the only way to encourage nutrient cycling is by introducing the correct Fungal to Bacteria ratio (F:B) and mycorrhizae in the soil. This nutrient cycling, and the benefits it provides, is important on all sites—regardless of location, or project type: revegetation, reclamation, restoration, and landscaping.

Biotic Earth was created with these principles in mind. Backed by over a decade of successes, this product improves vegetation, both in the short-term and for years to come.

 **VERDYOL**
Biotic Earth™



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