



Biotic Earth™ Black

**Biotic Soil Amendment (BSA)**

# Installation & Mixing Guide

A mechanically agitated hydroseeder is recommended for the most effective application of Verdyol Plant Research **Biotic Earth™ Black BSA**. Read, understand, and follow all instructions and safety requirements for the hydroseeding equipment and materials.

Depending on site-specific conditions, and for the most effective application and performance, use a two-step, multidirectional application process to maximize performance and reduce the potential for shadowing. Please contact Verdyol Plant Research for site specific recommendations.

**Standard application rates for most sites consists of applying: 3500 pounds of Verdyol Biotic Earth™ Black BSA per acre or 3933 kg/ha.**

## Mixing

1. Fill hydroseeder tank with water to a level where the paddles are ¼ covered and may be activated.
2. Activate the mechanical agitation system.
3. Prime pump and any discharge hoses before adding any amendments, soil stabilizer/tackifier, or **Biotic Earth™ Black**.
4. Add the appropriate amount and type of Tackifier as recommended for the site-specific application. Allow Tackifier and water to mix for 5 minutes prior to adding **Biotic Earth™ Black**.

### **5. Suggested mixing ratio is: 1-50lb. (23 kg) bale Biotic Earth™ Black with 40 gallons (151 liters) of water.**

Please note that while our mixing instructions recommend 40 gallons of water per bag, it is acceptable if the contractor uses less. The limitation is the size and power of the hydroseeder being used. **Verdyol Biotic Earth™ Black** can also be hand-applied in situations that warrant it. If hand application is used, we recommend tripling the amount used per acre so that coverage can be achieved on the soil surface.

6. Continue filling tank with water to approximately ¾ full and begin adding bags of **Biotic Earth™ Black BSA**.
7. All quantity of BSA should be added before the water level reaches 85% of the tanks capacity.
8. Add seed and/or other amendments to slurry as required.
9. Completely fill tank with water and allow slurry to mix for a minimum of 5 minutes or until all **Biotic Earth™ Black BSA's** are mixed into a consistent slurry.

## Application

1. Prior to application and mixing of the mulch it is recommended that the site be measured and marked to verify area to ensure appropriate seed, amendment, and **Biotic Earth™ Black BSA** application rates.
2. Bring hydroseeder to appropriate operating speed and agitator speed for slurry application.
3. Apply in a consistent and even manner across soil surface.
4. Apply from opposite directions, if possible, to ensure the highest level of coverage, effectiveness, and performance.
5. If you need to stop spraying at anytime, close the spray nozzle at the end of the hose to avoid water draining from the hose. If you are using a tower applicator, stop normally and upon restart remove the spray tip, discharge a small amount of **Biotic Earth™ Black BSA**, replace the tip and return to applying the product.

## Cleaning & Storage

Clean equipment per the equipment manufacturer's recommendations.

Store all **Verdyol Biotic Earth™ Black** materials in a cool dry place away from open flames.



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