



BIOTIC EARTH INSTALLATION AND MIXING GUIDE

A mechanically agitated hydroseeder is recommended for the most effective application of 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 ECBVerdyol for site-specific recommendations. Standard application rates for most sites consists of applying 3500 pounds of Biotic Earth Black BSA per acre.

MIXING

1. Fill hydroseeder tank with water to a level where the paddles are $\frac{1}{4}$ 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.
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.
5. Suggested mixing ratio is 1-50lb. bale Biotic Earth with 40 gallons of water.
6. Continue filling tank with water to approximately $\frac{3}{4}$ full and begin adding bags of Biotic Earth.
7. All quantity of Biotic Earth should be added before the water level reaches 85% of the tank's 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 is 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 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, replace the tip and return to applying the product.

CLEANING AND STORAGE

Clean equipment per the equipment manufacturer's recommendations.
Store all Verdyol Biotic Earth materials in a cool dry place away from open flames.

BIOTIC EARTH TANKLOAD GUIDE



Biotic Earth™ Tankload Application:
40 gallons of water for every 50 lb bag,
applied at 3,500 lbs/AC in all conditions.

TANK SIZE	NUMBER OF BAGS LOADED PER TANKLOAD	TOTAL LBS OF BIOTIC EARTH PER TANKLOAD	TANKLOADS REQUIRED PER ACRE, REGARDLESS OF SLOPE OR ORGANIC MATTER CONTENT
250	6	300	11.6
500	12	600	5.8
750	28	900	3.8
1,000	25	1,250	2.8
1,500	37	1,850	1.9
2,500	62	3,100	1.1
3,000	75	3,750	0.9
3,500	87	4,350	0.8
4,000	100	5,000	0.7

Biotic Earth: more bags per tank, lower per-acre application rate, easier application rate to calculate, and fewer tank loads required per acre!

Other Products: fewer bags per tank, more difficult to calculate. (Due to variable application rate. Requires more tankloads and product per acre.)