Tank Load Application Comparison Chart*

Verdyol Biotic Earth™ vs Competition

more bags per tank, lower per acre application rate, ***far easier application rate to calculate,*** and fewer tank loads per acre!

Other BSA: fewer bags per tank, more difficult to calculate application rate ***(often times requiring a heavier application rate due to organic content of soil),*** and more tank loads required per acre.

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**Above sample is based on a tank size of 3500. For more comparisons please see the other side of this card.*

Verdyol 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	Tank Loads Required Per Acre, Regardless of Slope or Organic Matter Content
250	6	300	11.6
500	13	650	5.3
750	19	950	3.6
1000	25	1,250	2.8
1500	38	1,875	1.8
2500	63	3,125	1.1
3000	75	3,750	0.9
3500	88	4,400	0.8
4000	100	5,000	0.7

Verdyol 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.)***

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Installation & Mixing Guide

A mechanically agitated hydroseeder is recommended for the most effective application of Verdyol Plant Research **Verdyol 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 **Verdyol 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 **Verdyol Biotic Earth Black™**.
5. **Suggested mixing ratio is: 1-50lb. (23 kg) bale Verdyol Biotic Earth Black™ with 40 gallons (151 liters) of water.**
6. Continue filling tank with water to approximately ¾ full and begin adding bags of **Verdyol Biotic Earth™ 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 **Verdyol Biotic Earth™ 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 **Verdyol Biotic Earth™ 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 **Verdyol Biotic Earth™ BSA**, replace the tip and return to applying the product.

Cleaning

Clean equipment per the equipment manufacturer's recommendations.

Storage

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