



Your ProGanics® DUAL™ Questions Answered

ProGanics® DUAL™ is a new environmentally friendly, hydraulically applied product formulated to efficiently accelerate development of depleted soils and accelerate vegetative establishment while simultaneously providing highly effective erosion protection in a single application. This patented, time-saving product combines the soil-building properties of Profile's ProGanics® Biotic Soil Media™ (BSM™) with the erosion control performance of a Bonded Fiber Matrix (BFM). To learn more, visit ProGanics-DUAL.com.

Performance

- **Why do I need to accelerate the development of depleted soil?**
 - o The most common reason revegetation projects fail is due to poor soils that lack the components necessary to adequately promote seed germination and sustainable plant growth. ProGanics DUAL contains the same patented ingredients as ProGanics Biotic Soil Media. The Biotic Soil Media ignites the soil-building nutrient cycle necessary to improve soil health for sustainable vegetation establishment and your projects' success.
- **What kind of erosion control performance does DUAL provide?**
 - o ProGanics DUAL is manufactured by Profile® Products, the world leader in hydraulic erosion control technology and maker of Flexterra® High Performance-Flexible Growth Media™ (HP-FGM™). DUAL can deliver erosion control protection equal to a Bonded Fiber Matrix (BFM) product when applied at the proper application rate.
- **How does ProGanics DUAL save me time on project sites?**
 - o Offering high loading rates and the highest water-holding capacity and erosion control effectiveness of all biotic soil products, ProGanics DUAL reduces total number of tank loads and application time without sacrificing results. With a consolidated, one-step application, the larger the site, the more time and money saved. You can estimate these savings using the new ProGanics DUAL calculator ProGanics-DUAL.com.
- **With ProGanics DUAL on the market, why would I purchase ProGanics BSM and a separate erosion control product?**
 - o ProGanics DUAL is not the best solution for sites with slopes steeper than 2H:1V, where higher performing HECPs may be needed, or where substrates are extremely degraded or unsuitable for vegetation establishment. In those cases, ProGanics BSM and a separate erosion control product may be the best option.
- **What is the cost of ProGanics DUAL?**
 - o ProGanics DUAL costs less than the combined cost of a BSM and an erosion control product.

Project Applications

- **What type of sites are ideal for DUAL?**
 - o ProGanics DUAL is best for sites with poor soil conditions, including low organic matter content; low to moderate erosion potential (slopes up to 2H:1V); limited access where multiple applications add significant cost; and larger projects where efficiency is paramount for contractors to gain more profit.





- **Is ProGanics DUAL suitable for all regions/climates?**
 - o Yes. ProGanics DUAL can ameliorate poor soil and provide erosion control for applicable project sites in climates all around the world.
- **Is ProGanics DUAL safe for the environment?**
 - o Profile Products is committed to providing sustainable, environmentally friendly products for our customers. ProGanics DUAL is produced using sustainable materials like recycled bark and wood and is biodegradable, non-toxic and safe for even the most sensitive environments. By using ProGanics DUAL instead of a plastic-netted erosion control blanket, you are not only preventing the introduction of plastic and metal into the environment, but are also reducing waste and productively returning it to the natural environment.
- **Do you have a case study or project example available to see how ProGanics DUAL performed in real-world testing?**
 - o Yes. Several projects are in the process of being documented and one is already complete. Get more details on an 11-acre project with poor soil and heavy rains in Baton Rouge, LA. See why Ben Dutruch, Owner of Grass Master Maintenance and Landscaping, said about ProGanics DUAL: “The results were great. We were very happy with it, and the customer has been very happy with it. We still have 4 or 5 more ponds to do on that site and we plan to keep using DUAL. It was definitely well worth it.”

Product Application

- **What is the application rate?**
 - o Based on soil conditions and/or slope gradient, ProGanics DUAL is applied at rates ranging from 4,000 pounds per acre (4,480 kilograms per hectare) and 6,500 pounds per acre (7,290 kilograms per hectare) per the following table:

Application Rates			
% Organic Matter ¹	Slope Gradient	English (lb/ac)	Metric (kg/ha)
< 5.0 and ≥ 1.5	≤ 4H:1V	4,000	4,480
< 1.5 and ≥ 0.75	> 4H:1V and ≤ 3H:1V	5,500	6,160
< 0.75	> 3H:1V and ≤ 2H:1V	6,500	7,290

¹ Based on Soil Test Results. Refer to Profile's Soil Testing and Interpretation Guide for more information.

- **What is the loading rate?**
 - o ProGanics DUAL can be loaded at up to 75 pounds (34 kilograms) per 100 gallons (379 liters) of water using machines with mechanical agitation and either gear or centrifugal pumps.





- **Do I still need to conduct a soil test if I'm using ProGanics DUAL?**
 - Yes. Profile Products always recommends conducting a soil test to identify a broad range of potential soil imbalances, deficiencies and/or toxicities, and help you sell additional amendments necessary for optimum results. We believe in soil testing so strongly that we offer free evaluations through [ProfilePS3.com](http://www.profileps3.com). (NOTE: While the soil analysis will automatically provide application rate recommendations for ProGanics BSM if warranted, a separate recommendation from Profile Technical Services will be needed for ProGanics DUAL.) You can also find more information here: <http://www.profileevs.com/resources/article/soil-testing-key-project-success>
 - If a soil test is not possible, ProGanics DUAL should be applied at a minimum rate of 5,500 lb/ac (6,160 kg/ha) dependent on slope conditions as an "assurance policy" against unknown and potentially adverse soil conditions.
- **What if I need to use other soil amendment products such as JumpStart™ or BioPrime™?**
 - Most soil amendments such as fertilizers, growth stimulants and soil neutralizers can be tank mixed with ProGanics DUAL as would be done with other hydraulic mulches. With any product containing biological components, however, there may be some limitations to what can be mixed together. Be sure to read and comply with all manufacturers' instructions.
- **Do I need a project consultation before purchasing ProGanics DUAL?**
 - A consultation is not required; however, Profile Products would be pleased to provide free, on-site consultation.
- **What is the cost of ProGanics DUAL?**
 - ProGanics DUAL costs less than the combined cost of a BSM and an erosion control product.
- **Where can I purchase ProGanics DUAL?**
 - ProGanics DUAL is sold through the industry's most extensive network of highly qualified distributors across the country. Contact your Profile Products sales representative or call us at (800) 508-8681 or +1-847-215-1144 (International) to find a distributor in your area.

