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**AGRICULTURAL
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EDITION



**TOP
AGRICULTURAL
BIOTECH
COMPANY
2022**

SCD PROBIOTICS

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**Life Sciences
Review**



SCD PROBIOTICS

Harnessing Probiotics for Enhanced Agriculture

"We are on a mission to replace one billion kilos of petrochemicals with bio-based products in agriculture, industrial, and consumer applications across the planet," says Matthew Wood, CEO and Founder of SCD Probiotics. At a time when soil degradation is making farms less fertile, soil pollution is at an all-time high due to acidification and nutrient imbalances caused by chemical fertilizers. As a result, there is a growing demand for more sustainable, natural, and organic agricultural methods. SCD's Bio Ag products are a natural fit for promoting soil health, and are profoundly impacting the environment and farming with their "green" imprint.

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Farmers that use our technology not only enjoy the benefits of the live microbes, they also get the benefits of the metabolites, or postbiotics, the microbes make

SCD Probiotics cultivates microbes—the origin of life—as probiotics to manufacture fertilizers for agriculture. Aside from their use as fertilizers, some metabolites produced by these microbes act as biosurfactants, and SCD utilizes them as adjuvants in the formulation of pesticides, herbicides, and fungicides. SCD's probiotic line can also be used to influence soil conditions.

A product that impacts soil is their SCD Bio Ag for soil amendment, which revives dead soil. The consortium of microbes works directly on pillars of critical development of plants and bio-stimulates the native biome, helping it reclaim its original, healthy equilibrium. The company's SCD Bio Ag product revamps plant health through the soil by naturally increasing resistance to stress, disease, and pests. These products target and condition plant roots, facilitating better nutrient absorption and increasing fertilizer efficiency.

SCD's probiotics are also utilized as an additive in cattle feed and aquaculture to improve animal health via probiotic strategies such as competitive exclusion and quorum

sensing. By encouraging the administration of probiotics to sows and newborn piglets, SCD has decreased the use of growth stimulants on swine farms. Through their line of products, they have significantly transformed the health of animals.


The main source for these applications are SCD's mother cultures, designed microbiomes grown, structured, and stabilized with several probiotic strains and their metabolites, or postbiotics. To deliver its bio-based products, the company has established 22 regional fermentation centers across the globe. These centers provide farmers with locally developed, high-quality products for more sustainable and profitable farming.

"Farmers that use our technology not only enjoy the benefits of the live microbes, they also get the benefits of the metabolites, or postbiotics, the microbes make," says Wood.

Through their variety of products, SCD addresses all the concerns of farmers in a cost-effective manner. Even with a small quantity of the company's fertilizer, farmers get a better yield. The products can be used alone or in combination with other ingredients. They are shelf-stable for 24 months without refrigeration and continue to create beneficial biochemicals over time.

The excellence of SCD's probiotics is ensured by feeding the microbes all-natural whole foods. The probiotics can be tweaked by changing parameters like light, heat, and raw materials to produce beneficial metabolites that support customer specifications. The waste produced is non-toxic and biodegradable. SCD Probiotics has been able to support the transition away from the widespread use of antibiotics and chemicals and has replaced over 104 million kilos, so far, making it exceptional in terms of sustainability.

SCD has established a global client base through trust over the value of their products.

Their numerous clients license the probiotic technology and use it to develop products by fermentation in their facility, giving SCD's probiotic products a higher degree of exposure. By harnessing these tiny biochemical factories to provide wholesome produce, SCD Probiotics is significantly impacting the environment and agriculture. 



Matthew Wood,
Founder and CEO