

South & Central America Biostimulants Market Size and Forecast (2021 - 2031)

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Abstracts

The South & Central America Biostimulants Market is projected to grow significantly, reaching an estimated US\$ 1,539.4 million by 2031, up from US\$ 992.7 million in 2024. This growth reflects a compound annual growth rate (CAGR) of 6.7% from 2025 to 2031, driven by various factors influencing agricultural practices in the region.

Executive Summary and Market Analysis

Biostimulants are innovative products designed to assist farmers in meeting the rising agricultural demands sustainably. They enhance crop yields and overall value, thereby improving farm productivity. Numerous companies in South & Central America are dedicated to providing plant wellbeing solutions. For example, Valagro S.p.A. offers a range of products including foliar fertilizers, biostimulants, fertigation solutions, and micronutrients. Their products, such as ONE, which promotes natural growth for healthier plants and flowers, and MAX, which supports plant health, exemplify the focus on enhancing agricultural productivity through biostimulants.

The market is being propelled by several key trends: the increasing adoption of organic farming practices, the urgent need for higher agricultural output to accommodate a growing population, and the challenges posed by climate change that lead to inconsistent agricultural yields. The rising agricultural production in South & Central America presents significant growth opportunities for the biostimulants market. However, challenges such as quality contamination during manufacturing and transportation remain significant hurdles that need to be addressed.

Strategic Insights

Market Segmentation Analysis

The South & Central America Biostimulants Market can be segmented based on various criteria:

Mode of Application: The market is divided into Foliar Spray, Seed Treatment, and Soil Application, with Foliar Spray holding the largest market share in 2024.

Product Type: This includes Humic Substances, Amino Acids, Microbial Stimulants, Seaweed Extracts, and others, where Seaweed Extracts dominated the market in 2024.

Crop Type: The segmentation includes Cereals and Grains, Oilseeds and Pulses, Fruits and Vegetables, Turf and Landscapes, among others, with Cereals and Grains leading the market share in 2024.

Market Outlook

Technological advancements are crucial in the evolution of biostimulants, enhancing their efficiency, sustainability, and effectiveness. Innovations in biotechnology, nanotechnology, microbial solutions, and advanced formulation techniques are at the forefront of this transformation. For instance, biotechnology is facilitating the development of genetically modified microorganisms that enhance nitrogen fixation and phosphorus availability, thereby promoting plant growth.

Nanotechnology is also making significant contributions, allowing for the creation of nanoscale formulations that improve nutrient delivery and bioavailability. Techniques such as nano-encapsulation protect sensitive ingredients like plant hormones and seaweed extracts from degradation, ensuring controlled release and stability. This is particularly beneficial for farmers facing diverse climatic challenges, as it enhances the consistency and effectiveness of biostimulants.

Moreover, microbial-based biostimulants, which include beneficial strains of bacteria and fungi, are gaining traction for their ability to improve soil health, enhance nutrient cycling, and protect plants from diseases. Recent advancements in multi-strain microbial formulations are enabling tailored solutions that cater to specific soil types and crop requirements. For example, strains like *Trichoderma* and *Bacillus* spp. are increasingly utilized to boost root development and nutrient uptake while providing

protection against soil-borne pathogens.

Advanced formulation techniques, including liquid and powder biostimulants, are also improving application ease and plant absorption. Liquid formulations are particularly popular in precision farming, where customized applications maximize crop benefits while minimizing waste.

The integration of precision agriculture and data analytics is further enhancing biostimulant effectiveness. Technologies such as drones, satellite imagery, and IoT devices allow farmers to monitor crop health, soil conditions, and environmental factors in real-time, optimizing biostimulant usage. This data-driven approach enables more targeted applications, reducing excess input use and promoting sustainable farming practices.

Country Insights

The South & Central America Biostimulants Market is primarily segmented by country, including Brazil, Argentina, and the Rest of South & Central America, with Brazil holding the largest market share in 2024. The rapid adoption of biostimulants in Brazil is largely driven by farmers' concerns over declining soil productivity and the long-term impacts of heavy agrochemical use. As agriculture is a vital sector of Brazil's economy, producers are increasingly seeking sustainable solutions that maintain high yields while being environmentally friendly.

The shift towards biostimulants, which are composed of organic and naturally derived components, is seen as a promising method to enhance crop health, improve nutrient absorption, and promote healthier soils. Their affordability further facilitates adoption, allowing farmers to utilize these products without significantly increasing production costs. As awareness of the benefits of biostimulants grows and sustainability becomes a priority, their use in Brazil is expected to expand steadily, reinforcing the market's long-term development and supporting greener agricultural practices.

Company Profiles

Key players in the South & Central America Biostimulants Market include BASF SE, FMC Corp, UPL Ltd, ILSA S.p.A., Syngenta AG, Bionema Ltd, Russell IPM Ltd, Sipcam UK Ltd, IntraCrop Ltd, and Central Pharma Contract Packing Ltd. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative solutions to

consumers.

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