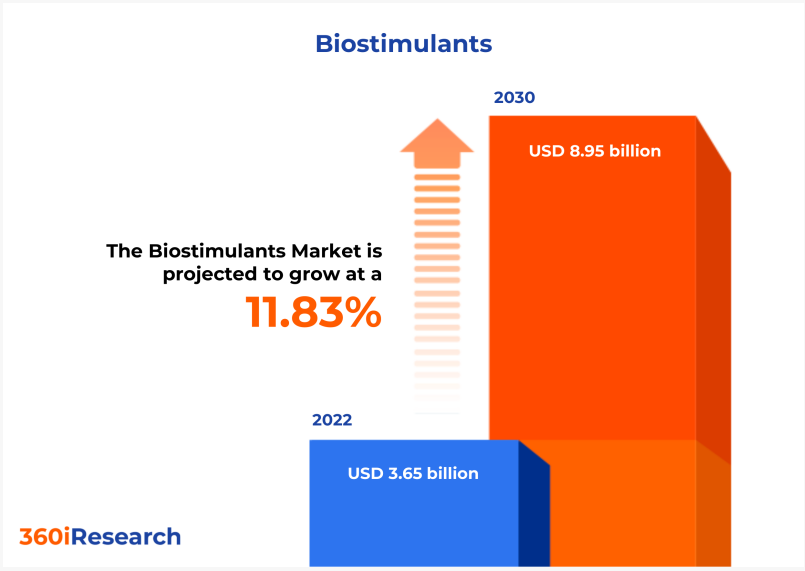
Biostimulants Market worth $8.95 billion by 2030, growing at a CAGR of 11.83% - Exclusive Report by 360iResearch

The Global Biostimulants Market to grow from USD 3.65 billion in 2022 to USD 8.95 billion by 2030, at a CAGR of 11.83%.



Biostimulants Market - Exclusive Report by 360iResearch

PUNE, MAHARASHTRA, INDIA , December 5, 2023 /EINPresswire.com/ -- The "Biostimulants Market by Form (Dry, Liquid), Ingredient (Amino Acid, Humic Substance, Microbial Amendment), Crop, Application - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

The Global Biostimulants Market to grow from USD 3.65 billion in 2022 to USD 8.95 billion by 2030, at a CAGR of 11.83%.

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Biostimulants encompass a diverse group of products that enhance plant growth, nutrient efficiency, abiotic stress tolerance, and overall crop quality. Biostimulants are typically derived from natural or biological sources such as nutrients, pest control, or fertilizers to improve agricultural production. Biostimulants contain ingredients such as seaweed extracts, humic acids, amino acids, microorganisms, and others. These products have become an integral component of sustainable agriculture, using them in various crops, including fruits & and vegetables, cereals & grains, and oilseeds & pulses. The end-users of biostimulants range from small-scale farms to large agricultural operations, adapting to both organic farming methods and conventional agriculture. The biostimulant market is expanding as these innovative, natural-origin products gain traction with an upsurge in eco-conscious farming, supportive regulations,

and breakthroughs in agrotech. However, the high costs of producing biostimulants and lack of standardization impede market penetration. Continual research in developing new and highly effective biostimulant solutions, the mode of delivery, and reduced production expenses present lucrative opportunities for industry growth.

Crop: Growing adoption of biostimulants for fruits and vegetables, centered on factors that affect consumer appeal

Cereals and grains, as staple foods, require biostimulants that can enhance yield, improve resilience to abiotic stress, and increase nutritional values. Biostimulant products in this segment are formulated to boost root development, nutrient uptake, and stress resistance. Biostimulants have a significant role in corn production by enhancing nutrient uptake, improving stress tolerance, and increasing yield used for animal feed and ethanol production. Using biostimulants in rice production can promote better growth and stress resilience, increasing grain quality and yield. Biostimulants have been observed to enhance nutrient assimilation, root development, and plant metabolism, which are vital for rice crops that often endure fluctuating environmental conditions. Implementing biostimulants in wheat cultivation can significantly influence plant growth stages, increase resistance to diseases and pests, and enhance stress tolerance. With wheat being susceptible to various environmental stresses, including extreme temperature and water scarcity, applying biostimulants is crucial for this segment. Fruits and vegetables are highly responsive to the application of biostimulants. The biostimulants enhance the yield and quality of products by improving color, taste, and nutritional content. Moreover, biostimulants help manage post-harvest stress, ensuring the extended shelf life of perishable fruits and vegetables. Oilseeds such as soybean, rapeseed, sunflower, and pulses, including lentils and peas, are essential for producing vegetable oils and protein-rich food. Biostimulants in this segment help to increase the oil content in seeds and protein content in pulses, contributing to the overall quality of the produce. The application of biostimulants in turfs and ornamentals is focused on aesthetic appeal. Biostimulants in this segment help improve plant vigor and coloration, increase resistance to stress, and enhance growth rate.

Form: Preferences for liquid formulations from large-scale farming operations for precision and ease of integration into existing irrigation system

Dry biostimulants typically come in powder or granulated form, which are favored for their long shelf-life and stability and reduce the risk of degradation when stored appropriately. Dry formulations are also easier to transport and handle, particularly in large agricultural operations. These products are primarily dispersed on the soil, often with a carrier or as part of a blend with fertilizers for pre-plant soil conditioning. Liquid biostimulants include solutions, suspensions, and emulsions. Liquid biostimulants are appreciated for their ease of mixing and application, which makes them suitable for modern irrigation systems, including drip or spray irrigation. Liquid formulations allow for precise dosage and distribution, leading to potentially more efficient product use and decreased waste. Liquid biostimulants are the highly preferred option when an immediate biostimulant effect is needed, such as during critical growth stages or stress recovery.

Application: Significant benefits of foliar treatment for responsive and fast-acting interventions
Foliar treatment involves the application of biostimulants directly to the leaves of plants. This method is particularly effective for providing quick and targeted delivery of nutrients and biostimulants, as plants can rapidly absorb substances through their leaves. Foliar application is preferred for an immediate need for nutrient uptake, such as correcting nutrient deficiencies or when soil conditions are not conducive to root absorption. Seed treatment with biostimulants is applied directly to seeds before planting. This preemptive approach enhances seed vigor, germination rates, and early plant development. Seed treatment is preferred to equip the plant with the resilience to withstand early-stage environmental stressors and to encourage a strong crop growth cycle. Soil treatment encompasses the application of biostimulants to the soil to improve its properties as a growing medium and to influence plant root systems directly. This application method is preferred for long-term soil health improvement, increasing beneficial microbial activity, enhancing nutrient absorption, and reducing the need for traditional fertilizers.

Ingredient: High demand for humic substances to enhance soil properties and benefit long-term land productivity
Amino acids are fundamental building blocks for plant protein synthesis critical in plant growth and stress tolerance. Their need-based preference is found in conditions where plants are under abiotic stress, such as salinity, drought, and extreme temperatures. Amino acid biostimulants enhance nutrient uptake, increase chlorophyll concentration, and improve plant vigor. Humic substances, including humic and fulvic acids, originate from the natural decomposition of animal and plant material. These substances are sought after for their soil conditioning properties, nutrient solubilization, and ability to promote microbial diversity in the rhizosphere. Their need arises particularly in restoring degraded soils and enhancing the efficiency of nutrient use. Microbial amendments encompass a variety of beneficial bacteria and fungi that help to improve plant health through different mechanisms, such as nitrogen fixation, phosphorus solubilization, or pathogen antagonism. Seaweed extracts, derived from marine algae, are rich in hormones, minerals, and antioxidants. These biostimulant ingredients are preferred for promoting plant growth, enhancing stress resistance, and boosting yield. They are commonly used in foliar sprays and soil applications, offering a versatile solution for various crops.

Regional Insights:
The biostimulants market in the Americas has been experiencing a consistent growth trend, attributed primarily to the increasing adoption of sustainable agricultural practices. The United States contributed majorly to the regional market, attributed to technological advancements and a growing organic farming sector. Additionally, governmental initiatives aiming to increase agricultural output favorably influence the region's biostimulants market. In the EMEA region, Europe is the largest region for biostimulants, with regulatory support for environmentally friendly farming practices and high awareness among farmers about the advantages of biostimulants. The implementation of the European Green Deal is further promoting the usage of biostimulants. The Middle East and Africa are presenting emerging growth potential, spurred by the demand for enhanced water usage efficiency in agriculture and the need to combat

desertification and climate change impacts on agriculture. Asia-Pacific is anticipated to be the fastest-growing market for biostimulants, with the region's large agricultural sector, the necessity for high crop productivity, and increased awareness of the benefits of biostimulants. Furthermore, government initiatives in these countries to support sustainable agriculture and improve soil health further stimulate the growth of biostimulants.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Biostimulants Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Biostimulants Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Biostimulants Market, highlighting leading vendors and their innovative profiles. These include Acadian Seaplants Limited, Agricen by Nutrien, AgriLife (India) Private Limited, Agrinos, Agritecno Fertilizantes SL, Andermatt Group AG, Apple Agro, Atlántica Agrícola, S.A., Axeb Biotech SL, BASF SE, Bayer AG, BioAtlantis Ltd., Biobest Group NV, BIOIBERICA S.A.U., Biolchim S.p.A. by J.M. Huber Corporation, Bionema Limited, BioSafe Systems, LLC, BIOVERT S.L. by Sustainable Agro Solutions, S.A.U., Coromandel International Limited, Corteva, Inc., Dora Agri-Tech, Emery Oleochemicals LLC, Evonik Industries AG, FMC Corporation, Futureco Bioscience, Haifa Group, Hello Nature International Srl, Isagro S.p.A. by Gowan Company, LLC, Kelp Products International, Koppert B.V., LawrieCo, MAFA Bioscience S.A., Mitsui & Co., Ltd., Novozymes A/S, Nufarm Limited, Nutri-Tech Solutions Pty Ltd., Olmix SA, OMEX Agriculture Ltd., Peptech Biosciences Ltd., PlantoSys Nederland B.V., Pro Farm Group Inc. by Bioceres Crop Solutions Corp., Russell IPM Ltd., SEIPASA, SA, Solvay SA, Sumitomo Chemical Co., Ltd., Syngenta AG, T.Stanes and Company Limited, Toopi Organics, Trade Corporation International, S.A., UPL Limited, Vegalab SA, Verdesian Life Sciences LLC, Yara International ASA, and Éléphant Vert France.

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Market Segmentation & Coverage:

This research report categorizes the Biostimulants Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Form, market is studied across Dry and Liquid. The Liquid commanded largest market share of 78.92% in 2022, followed by Dry.

Based on Ingredient, market is studied across Amino Acid, Humic Substance, Microbial Amendment, and Seaweed Extracts. The Humic Substance commanded largest market share of 32.12% in 2022, followed by Seaweed Extracts.

Based on Crop, market is studied across Cereals & Grains, Fruits & Vegetables, Oilseeds & Pulses, and Turfs & Ornamentals. The Cereals & Grains is further studied across Corn, Rice, and Wheat. The Fruits & Vegetables commanded largest market share of 28.89% in 2022, followed by Oilseeds & Pulses.

Based on Application, market is studied across Foliar Treatment, Seed Treatment, and Soil Treatment. The Soil Treatment commanded largest market share of 73.80% in 2022, followed by Seed Treatment.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Europe, Middle East & Africa commanded largest market share of 38.51% in 2022, followed by Asia-Pacific.

Key Topics Covered:

8. Biostimulants Market, by Crop
9. Biostimulants Market, by Application
10. Americas Biostimulants Market
11. Asia-Pacific Biostimulants Market
12. Europe, Middle East & Africa Biostimulants Market
13. Competitive Landscape
14. Competitive Portfolio
15. Appendix

The report provides insights on the following pointers:
1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:
1. What is the market size and forecast of the Biostimulants Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Biostimulants Market?
3. What is the competitive strategic window for opportunities in the Biostimulants Market?
4. What are the technology trends and regulatory frameworks in the Biostimulants Market?
5. What is the market share of the leading vendors in the Biostimulants Market?
6. What modes and strategic moves are considered suitable for entering the Biostimulants Market?

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