

Biostimulants - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 320 pages | Mordor Intelligence

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Report description:

The Biostimulants Market size is estimated at 4.46 billion USD in 2025, and is expected to reach 7.29 billion USD by 2030, growing at a CAGR of 10.32% during the forecast period (2025-2030).

- The use of biostimulants in agriculture has gained momentum in recent years, with increasing awareness among farmers about the benefits of these products on crop growth and yield. Biostimulants are natural or synthetic substances that enhance plant growth and improve nutrient uptake, stress tolerance, and overall health.
- Amino acids emerged as the most consumed biostimulants globally, with a market share of 32.0% in 2022. This high share was primarily due to the positive effects of amino acids on crops when applied, such as increasing seed yield and grain numbers per ear in winter wheat crops in European countries. The consumption of biostimulants was the highest in row crops, which accounted for 74.6% of the market share in 2022, followed by horticultural crops and cash crops.
- Europe dominated the biostimulants segment, with a market share of 40.6% in 2022, followed by North America and Asia-Pacific. This high share was due to the high awareness among farmers in the region and the government's promotion of organic agriculture, with a target of 25.0% of agricultural land to be organic by 2030.
- The biostimulants segment is expected to record a CAGR of 10.1% between 2023 and 2029, driven by the increasing demand for organic products and the growing area under the cultivation of organic crops.

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- Biostimulants have gained popularity in the agricultural industry to reduce the use of chemical fertilizers and pesticides. The organic food industry, which is growing at a healthy rate, is another major driving force behind the growth of the biostimulant market.
- Europe is the largest market for global biostimulants, accounting for 40.6% of the market value, valued at USD 1.3 billion, in 2022. The European Commission has set a target for member countries to bring 25% of their respective agricultural land under organic farming, reinforcing Europe's key priorities for smart growth and innovation for the bio-based economy. Biostimulants represent a critical ingredient for the same. Germany plays a lead role in achieving these objectives by investing in R&D to enhance the effectiveness of biostimulants.
- North America is the second-largest market for global biostimulants, with a market value of USD 840.2 million in 2022. Countries in the region are introducing policies to increase organic farming, such as the USDA's Organic Transition Initiative in the United States, with an investment of USD 300 million in 2022. This initiative aims to provide financial assistance to farmers and encourage farmer-to-farmer mentoring, including creating awareness of the beneficial impacts of biostimulants.
- The Asia-Pacific region holds the third-largest position in the biostimulants market, with China, the world's largest fertilizer consumer, already using organic inputs for crop production. Similarly, South America and Africa have also witnessed a flux in the biostimulants market due to increased awareness among growers. The reduced usage of chemical inputs and increasing global organic area are projected to drive the biostimulants market at a CAGR of 10.1% during the forecast period.

Global Biostimulants Market Trends

The increasing awareness and Government initiatives is driving the organic production in North America and Europe.

- Organic agriculture has emerged as a significant contributor to sustainable food systems, with 187 countries practicing it globally. As of 2021, there are 72.3 million hectares of organic agricultural land globally, with an average increase of 2.9% across all regions from 2018 to 2021. Among these, organic arable land accounted for 14.4 million hectares in 2021, representing 19.9% of the total organic agricultural land. The strongest markets for organic farming are in North America and Europe, accounting for 41.0% of the global organic arable land in 2022. The total organic arable land in Europe was 6.5 million hectares in 2022, equivalent to 44.1% of the overall organic arable agricultural area. The most significant crops grown organically in North America and Europe are apples, strawberries, cereals, and olives, among others.
- Developing countries in the Asia-Pacific region are also joining the organic agriculture movement and becoming self-sufficient in producing and providing fresh organic produce to meet domestic demand. The Asia-Pacific region observed an increasing trend in organic farming, with an 18.8% increase in organic arable land from 2017 to 2022. The major initiatives by governments in the region have also played a vital role in boosting organic farming. For example, Japan's Basic Plan for Agriculture and Management in 2021 aims to triple the number of organic farmers and organic lands by 2030.
- Organic agriculture is becoming increasingly popular globally, with various countries adopting it to achieve sustainable food systems. The growth in organic agriculture is driven by the increasing awareness about the benefits of organic farming, such as promoting soil health, reducing environmental impacts, and producing healthier food.

Per capita spending of organic food majorly observed in United States and Germany, attributed to the consumer demand for healthier and sustainable food

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- The organic food market has experienced significant growth over the past decade, with global sales reaching USD 120.6 billion in 2020, up from USD 70.8 billion in 2012. The trend toward organic food is driven by several factors, including increasing consumer demand for healthier, more sustainable food options and growing awareness about the environmental impact of conventional agriculture.
- According to a survey conducted by the Organic Trade Association, in 2021, sales of organic fruits and vegetables increased by around 4.5% that year, accounting for 15% of the overall organic sales. North America currently dominates the market in terms of average spending on organic products, with per capita spending in the United States reaching USD 186.7 in 2021, the highest among North American countries. Europe is also expected to experience significant growth in the organic market, with Germany accounting for the highest per capita spending of USD 75.6 during the same year.
- While the organic food market is still dominated by developed countries with high levels of disposable income, it is also expected to grow in developing nations. For example, in the Asia-Pacific region, the increase in the number of working-class people is likely to contribute to market expansion. As the availability of organic products increases, prices become more affordable.
- The organic food market is experiencing significant growth globally and is expected to continue during the forecast period.

Biostimulants Industry Overview

The Biostimulants Market is fragmented, with the top five companies occupying 11.95%. The major players in this market are Biolchim SpA, Coromandel International Ltd, Koppert Biological Systems Inc., Trade Corporation International and Valagro (sorted alphabetically).

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 EXECUTIVE SUMMARY & KEY FINDINGS

2 REPORT OFFERS

3 INTRODUCTION

3.1 Study Assumptions & Market Definition

3.2 Scope of the Study?

3.3 Research Methodology

4 KEY INDUSTRY TRENDS

4.1 Area Under Organic Cultivation

4.2 Per Capita Spending On Organic Products

4.3 Regulatory Framework

4.3.1 Argentina

4.3.2 Australia

4.3.3 Brazil

4.3.4 Canada

4.3.5 China

4.3.6 Egypt

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- 4.3.7 France
- 4.3.8 Germany
- 4.3.9 India
- 4.3.10 Indonesia
- 4.3.11 Italy
- 4.3.12 Japan
- 4.3.13 Mexico
- 4.3.14 Netherlands
- 4.3.15 Nigeria
- 4.3.16 Philippines
- 4.3.17 Russia
- 4.3.18 South Africa
- 4.3.19 Spain
- 4.3.20 Thailand
- 4.3.21 Turkey
- 4.3.22 United Kingdom
- 4.3.23 United States
- 4.3.24 Vietnam

4.4 Value Chain & Distribution Channel Analysis

5 MARKET SEGMENTATION (includes market size in Value in USD and Volume, Forecasts up to 2030 and analysis of growth prospects)

- 5.1 Form
 - 5.1.1 Amino Acids
 - 5.1.2 Fulvic Acid
 - 5.1.3 Humic Acid
 - 5.1.4 Protein Hydrolysates
 - 5.1.5 Seaweed Extracts
 - 5.1.6 Other Biostimulants
- 5.2 Crop Type
 - 5.2.1 Cash Crops
 - 5.2.2 Horticultural Crops
 - 5.2.3 Row Crops
- 5.3 Region
 - 5.3.1 Africa
 - 5.3.1.1 By Country
 - 5.3.1.1.1 Egypt
 - 5.3.1.1.2 Nigeria
 - 5.3.1.1.3 South Africa
 - 5.3.1.1.4 Rest of Africa
 - 5.3.2 Asia-Pacific
 - 5.3.2.1 By Country
 - 5.3.2.1.1 Australia
 - 5.3.2.1.2 China
 - 5.3.2.1.3 India
 - 5.3.2.1.4 Indonesia
 - 5.3.2.1.5 Japan

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- 5.3.2.1.6 Philippines
- 5.3.2.1.7 Thailand
- 5.3.2.1.8 Vietnam
- 5.3.2.1.9 Rest of Asia-Pacific
- 5.3.3 Europe
 - 5.3.3.1 By Country
 - 5.3.3.1.1 France
 - 5.3.3.1.2 Germany
 - 5.3.3.1.3 Italy
 - 5.3.3.1.4 Netherlands
 - 5.3.3.1.5 Russia
 - 5.3.3.1.6 Spain
 - 5.3.3.1.7 Turkey
 - 5.3.3.1.8 United Kingdom
 - 5.3.3.1.9 Rest of Europe
- 5.3.4 Middle East
 - 5.3.4.1 By Country
 - 5.3.4.1.1 Iran
 - 5.3.4.1.2 Saudi Arabia
 - 5.3.4.1.3 Rest of Middle East
- 5.3.5 North America
 - 5.3.5.1 By Country
 - 5.3.5.1.1 Canada
 - 5.3.5.1.2 Mexico
 - 5.3.5.1.3 United States
 - 5.3.5.1.4 Rest of North America
- 5.3.6 South America
 - 5.3.6.1 By Country
 - 5.3.6.1.1 Argentina
 - 5.3.6.1.2 Brazil
 - 5.3.6.1.3 Rest of South America

6 COMPETITIVE LANDSCAPE

- 6.1 Key Strategic Moves
- 6.2 Market Share Analysis
- 6.3 Company Landscape
- 6.4 Company Profiles (includes Global Level Overview, Market Level Overview, Core Business Segments, Financials, Headcount, Key Information, Market Rank, Market Share, Products and Services, and Analysis of Recent Developments).
 - 6.4.1 Agriculture Solutions Inc.
 - 6.4.2 Agrinos
 - 6.4.3 Atlantica Agricola
 - 6.4.4 Biolchim SpA
 - 6.4.5 Bionema
 - 6.4.6 Coromandel International Ltd
 - 6.4.7 Haifa Group
 - 6.4.8 Koppert Biological Systems Inc.
 - 6.4.9 Plant Response Biotech Inc.

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- 6.4.10 Sigma Agriscience LLC
- 6.4.11 T Stanes and Company Limited
- 6.4.12 Trade Corporation International
- 6.4.13 UPL
- 6.4.14 Valagro
- 6.4.15 Vittia Group

7 KEY STRATEGIC QUESTIONS FOR AGRICULTURAL BIOLOGICALS CEOS

8 APPENDIX

- 8.1 Global Overview
 - 8.1.1 Overview
 - 8.1.2 Porter's Five Forces Framework
 - 8.1.3 Global Value Chain Analysis
 - 8.1.4 Market Dynamics (DROs)
- 8.2 Sources & References
- 8.3 List of Tables & Figures
- 8.4 Primary Insights
- 8.5 Data Pack
- 8.6 Glossary of Terms

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