

Humic and Fulvic Acid-Based Biostimulants Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/H705206438B5EN.html>

Date: July 2025

Pages: 263

Price: US\$ 4,850.00 (Single User License)

ID: H705206438B5EN

Abstracts

The Global Humic And Fulvic Acid-Based Biostimulants Market was valued at USD 878.1 million in 2024 and is estimated to grow at a CAGR of 7.9% to reach USD 1.8 billion by 2034. The market is primarily fueled by the growing emphasis on environmentally responsible farming practices and the urgent need to boost soil fertility and crop yields. These biostimulants, composed of naturally derived organic compounds, play a key role in improving nutrient absorption, enhancing soil structure, and helping crops manage environmental pressures more effectively. As farmers focus more on productivity and sustainability, these substances have become an integral component of crop nutrition strategies across various segments, including fruits, vegetables, cereals, and turf management systems.

Their ability to enhance root development, increase nutrient bioavailability, and improve soil microbiology has made them essential in precision farming techniques. Humic and fulvic acid-based biostimulants contribute to better water retention and soil aeration, which supports healthier plant growth even in adverse conditions. They also help reduce dependency on synthetic fertilizers, aligning with the shift toward eco-conscious and organic farming practices. As global agriculture evolves, growers are increasingly turning to these biostimulants not only to boost yield but also to ensure long-term soil fertility, promote resilience against climate variability, and support regenerative farming models.

Among product categories, humic acid leads the market, reaching a valuation of USD 532 million in 2024. Its value lies in its high carbon concentration and molecular complexity, making it ideal for enhancing microbial activity and soil structure. Potassium humate, known for its water solubility and suitability in foliar and fertigation systems, is

also gaining strong traction for its ease of application and impact on nutrient assimilation. Fulvic acid, though a smaller segment, is growing due to its role in nutrient transport and stress resistance in plants.

The foliar application segment held the largest market share of 51.3% in 2024 and is expected to grow at a 7.6% CAGR during 2025-2034. This application method continues to gain popularity as it enables direct nutrient delivery, improving efficiency and minimizing waste. The product lineup includes humic acid, fulvic acid, potassium and sodium humate, blended formulations, and advanced functionalized options - each tailored to deliver specific agronomic benefits across different cropping systems.

United States Humic and Fulvic Acid-Based Biostimulants Market was valued at USD 232.4 million in 2024. This growth stems from a strong push toward regenerative farming and soil health management. These biostimulants contribute to stronger root systems, more vigorous shoot and leaf development, and better seed germination. Their usage spans a wide range of crops, including maize, tomatoes, wheat, soybeans, cucumbers, citrus, and grapes. Both humic and fulvic acids support pH regulation, making them highly adaptable across greenhouse and field production models.

Leading players shaping this market include Bayer AG, UPL Limited, Valagro S.p.A., Novozymes A/S, and BASF SE. To strengthen their presence, companies in the humic and fulvic acid-based biostimulants market are focusing on several core strategies. A major emphasis is being placed on research and innovation, with continuous development of high-efficiency, crop-specific formulations. Leading firms are investing in eco-friendly manufacturing processes and sourcing sustainable raw materials to align with global sustainability goals. Expansion into emerging markets through distribution partnerships and localized production facilities helps players scale their operations while reducing costs. Firms are also engaging in strategic acquisitions and collaborations to integrate complementary technologies and expand their product portfolios.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definition
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Data mining sources
 - 1.3.1 Global
 - 1.3.2 Regional/country
- 1.4 Base estimates and calculations
 - 1.4.1 Base year calculation
 - 1.4.2 Key trends for market estimation
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
- 1.6 Forecast model
- 1.7 Research assumptions and limitations

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis
- 2.2 Key market trends
 - 2.2.1 Regional
 - 2.2.2 Product
 - 2.2.3 Application
 - 2.2.4 Crop type
- 2.3 TAM analysis, 2025-2034
- 2.4 CXO perspectives: strategic imperatives
 - 2.4.1 Executive decision points
 - 2.4.2 Critical success factors
- 2.5 Future outlook and strategic recommendations

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Supplier landscape
 - 3.1.2 Profit margin
 - 3.1.3 Value addition at each stage

- 3.1.4 Factor affecting the value chain
- 3.1.5 Disruptions
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.3 Market opportunities
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
 - 3.4.1 North America
 - 3.4.2 Europe
 - 3.4.3 Asia Pacific
 - 3.4.4 Latin America
 - 3.4.5 Middle East & Africa
- 3.5 Porter's analysis
- 3.6 Pestel analysis
 - 3.6.1 Technology and innovation landscape
 - 3.6.2 Current technological trends
 - 3.6.3 Emerging technologies
- 3.7 Price trends
 - 3.7.1 By region
 - 3.7.2 By product
- 3.8 Future market trends
- 3.9 Technology and innovation landscape
 - 3.9.1 Current technological trends
 - 3.9.2 Emerging technologies
- 3.10 Patent landscape
- 3.11 Trade statistics (HS code) (note: the trade statistics will be provided for key countries only)
 - 3.11.1 Major importing countries
 - 3.11.2 Major exporting countries
- 3.12 Sustainability and environmental aspects
 - 3.12.1 Sustainable Practices
 - 3.12.2 Waste Reduction Strategies
 - 3.12.3 Energy Efficiency in Production
 - 3.12.4 Eco-friendly Initiatives

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

4.1 Introduction

- 4.2 Company market share analysis
 - 4.2.1 By Region
 - 4.2.1.1 North America
 - 4.2.1.2 Europe
 - 4.2.1.3 Asia Pacific
 - 4.2.1.4 LATAM
 - 4.2.1.5 MEA
- 4.3 Company matrix analysis
- 4.4 Competitive analysis of major market players
- 4.5 Competitive positioning matrix
- 4.6 Key developments
 - 4.6.1 Mergers & acquisitions
 - 4.6.2 Partnerships & collaborations
 - 4.6.3 New product launches
 - 4.6.4 Expansion plans

CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY PRODUCT TYPE, 2021 - 2034 (USD MILLION) (KILO TONS)

- 5.1 Key trends
- 5.2 Humic acid
- 5.3 Fulvic acid
- 5.4 Potassium humate
- 5.5 Sodium humate
- 5.6 Humic fulvic acid blends
- 5.7 Speciality and functionalized products

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY APPLICATION 2021 - 2034 (USD MILLION) (KILO TONS)

- 6.1 Key trends
- 6.2 Foliar application
- 6.3 Soil application
- 6.4 Seed treatment
- 6.5 Fertigation and hydroponic systems
- 6.6 Root dipping and transplant application

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY CROP TYPE, 2021 - 2034 (USD MILLION) (KILO TONS)

- 7.1 Key trends
- 7.2 Cereals and grains
 - 7.2.1 Wheat applications and benefits
 - 7.2.2 Rice production systems
 - 7.2.3 Corn and maize applications
 - 7.2.4 Other cereals (barley, oats, sorghum)
- 7.3 Fruits and vegetables
 - 7.3.1 Tree fruits and orchards
 - 7.3.2 Vegetable production
 - 7.3.3 Berry production
 - 7.3.4 Specialty berry crops
- 7.4 Turf and ornamentals
 - 7.4.1 Golf course management
 - 7.4.2 Sports field applications
 - 7.4.3 Landscape and residential turf
 - 7.4.4 Ornamental plant production
- 7.5 Field crops and industrial applications
 - 7.5.1 Oilseed crops
 - 7.5.2 Fiber crops
 - 7.5.3 Sugar crops
 - 7.5.4 Forage and pasture

CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 - 2034 (USD MILLION) (KILO TONS)

- 8.1 Key trends
- 8.2 North America
 - 8.2.1 U.S.
 - 8.2.2 Canada
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.2 UK
 - 8.3.3 France
 - 8.3.4 Italy
 - 8.3.5 Spain
 - 8.3.6 Rest of Europe
- 8.4 Asia Pacific
 - 8.4.1 China

- 8.4.2 India
- 8.4.3 Japan
- 8.4.4 Australia
- 8.4.5 South Korea
- 8.4.6 Rest of Asia Pacific
- 8.5 Latin America
 - 8.5.1 Brazil
 - 8.5.2 Mexico
 - 8.5.3 Argentina
 - 8.5.4 Rest of Latin America
- 8.6 Middle East and Africa
 - 8.6.1 Saudi Arabia
 - 8.6.2 South Africa
 - 8.6.3 UAE
 - 8.6.4 Rest of MEA

CHAPTER 9 COMPANY PROFILES

- 9.1 Agrinos AS
- 9.2 Agro Bio Chemicals
- 9.3 AgTonik, LLC
- 9.4 BASF SE
- 9.5 Bayer AG (Crop Science Division)
- 9.6 Biostadt India Limited
- 9.7 Bio-Tech Pharmacal, Inc.
- 9.8 Fertrell Company
- 9.9 FMC Corporation
- 9.10 Groupe Roullier
- 9.11 Humatech (Pty) Ltd.
- 9.12 Humic Growth Solutions
- 9.13 Humintech GmbH
- 9.14 ICL Group Ltd.
- 9.15 Koppert Biological Systems
- 9.16 Marrone Bio Innovations, Inc.
- 9.17 Mycsa AG
- 9.18 Novozymes A/S
- 9.19 Nutri-Tech Solutions Pty Ltd.
- 9.20 OMEX Agriculture Ltd.
- 9.21 Saint Humic Acid

9.22 Shenyang Humate Technology Co., Ltd.

9.23 Tradecorp International

9.24 UPL Limited

9.25 Valagro S.p.A.

I would like to order

Product name: Humic and Fulvic Acid-Based Biostimulants Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/H705206438B5EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/H705206438B5EN.html>