

# **Top Trends in the Agricultural Biologicals Market by Agricultural Biologicals, Biocontrols, Bio fungicides, Bioinsecticides, Bio nematicides, Biostimulants, Biofertilizers, Inoculants, Pheromones, Biological Seed Treatment - Global Forecast to 2028**

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## **Abstracts**

The agricultural biologicals market is projected to grow at a CAGR of 13.7% from an estimated value of USD 14.7 billion in 2023 to reach USD 27.9 billion by 2028. The market for agriculture biologicals has been experiencing significant growth in recent years due to several factors. One of the key drivers is the increasing demand for sustainable agricultural practices and the need to reduce the use of synthetic chemicals in farming. Agriculture biologicals offer a more environmentally friendly alternative, as they are typically biodegradable and have minimal negative impact on ecosystems. Another factor contributing to the growth of the agriculture biologicals market is the rising awareness among farmers about the benefits of these products. They can improve crop yields, enhance nutrient uptake, stimulate plant growth, and provide natural protection against pests and diseases. Additionally, agriculture biologicals can help in improving soil health and promoting overall sustainable farming practices. The market for agriculture biologicals encompasses a wide range of products, including biopesticides, biofertilizers, biostimulants, and other microbial-based products. Biopesticides are used for pest and disease management, while biofertilizers help in enriching the soil with beneficial nutrients. Biostimulants, on the other hand, are used to enhance plant growth and development.

“Bionematicides market to grow at the highest rate during the forecast period.”

The bionematicides market is projected to experience the highest growth rate during the forecast period. Bionematicides are a type of biopesticide specifically formulated to

control and manage nematode infestations in agriculture. Nematodes are microscopic worms that can cause significant damage to crops by feeding on plant roots, impairing nutrient uptake, and transmitting diseases. Several factors contribute to the anticipated growth of the bionematicides market. First and foremost, there is a growing concern regarding the environmental and health impacts of conventional chemical nematicides. These chemical-based solutions often persist in the soil, leading to water contamination and detrimental effects on non-target organisms.

“Biocontrols market to be the largest subcategory market among agricultural biologicals during the forecast period.”

The biocontrols market is projected to emerge as the largest subcategory market within the agriculture biologicals sector during the forecast period. Biocontrols refer to the use of beneficial living organisms or natural substances derived from them to manage pests, diseases, and weeds in agriculture. They offer an environmentally friendly and sustainable alternative to conventional chemical pesticides and herbicides.

Furthermore, increasing regulatory restrictions on conventional pesticides are driving the adoption of biocontrols. Many countries are implementing stricter regulations and phasing out the use of certain chemical pesticides due to their negative environmental impacts. This regulatory environment creates a favorable market landscape for biocontrols to gain prominence and market share.

“In the biostimulants market, Europe is estimated to be the largest market in 2023.”

Several factors contribute to Europe's dominance in the biostimulant market. Firstly, Europe has a strong focus on sustainable agriculture and environmental stewardship. The region has witnessed a significant shift towards organic farming practices and the reduction of chemical inputs in agriculture. Biostimulants align well with these sustainable farming goals, as they offer a natural and eco-friendly approach to crop enhancement. Additionally, Europe has a favorable regulatory framework for biostimulants. The European Union (EU) has established specific regulations and guidelines for biostimulant products, ensuring their safety and efficacy. This regulatory clarity provides confidence to manufacturers and farmers, facilitating the development, registration, and commercialization of biostimulant products in the region.

The top trends in the agricultural biologicals market are segmented market-wise, with a detailed analysis of each market by studying the individual competitive landscapes.

Breakdown of the profile of primary participants is as follows:

By Company Type: Tier 1 – 60 %, Tier 2 – 20%, and Tier 3 – 20%

By Designation: CXOs – 50%, Managers – 30%, and Executives – 20%

By Region: Asia Pacific – 50%, Europe – 20%, North America – 20%, and RoW – 10%

#### Leading players profiled in this report

BASF SE (Germany)

Bayer AG (Germany)

Syngenta AG (Switzerland)

Novozymes (Denmark)

UPL (India)

Corteva Agriscience (US)

FMC Corporation (US)

Pro Farm Group Inc. (US)

Lallemand Inc. (Canada)

Vegalab SA (Switzerland)

Valent BioSciences LLC (US)

Koppert (Netherlands)

Stockton bio-ag (Israel)

IPL Biologicals Limited (India)

Certis USA LLC (US)

Gowan Company (US)

Kan Biosys (India)

Symborg (Spain)

Rizobacter (Argentina)

Biomax Naturals (Mumbai)

Biobest Group NV (Belgium)

AgriLife (India)

Haifa Negev Technologies Ltd (Israel)

Pivot Bio (California)

Precision Laboratories LLC (US)

## Research Coverage

This report segments the agricultural biologicals market on the basis of key trends. In terms of insights, this research report focuses on various levels of analyses—competitive landscape, end-use analysis, and company profiles—which together comprise and discuss the basic views on the emerging & high-growth segments of the agricultural biologicals industry, the high-growth regions, countries, government initiatives, market disruption, drivers, restraints, opportunities, and challenges.

## Reasons to buy this report

To get a comprehensive overview of the agricultural biologicals market

To gain wide-ranging information about the top players in this industry, their product portfolios, and key strategies adopted by them

To gain insights about the major countries/regions, in which the agricultural

## biologicals market is flourishing

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall top trends in agricultural biologicals market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Initiatives by government agencies and increasing awareness about the need for sustainability in modern agriculture), restraints (Technological and environmental constraints for the use of biologicals), opportunity (Advancements in microbial research across the globe), and challenges (Lack of awareness & low adoption rate of biologicals) influencing the growth of the top trends in agricultural biologicals market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the top trends in agricultural biologicals market.

Market Development: Comprehensive information about lucrative markets – the report analyses the top trends in agricultural biologicals market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the top trends in agricultural biologicals market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players Syngenta AG (Switzerland), UPL Limited (India), Nufarm (US), Corteva Agriscience (US), BASF SE (Germany), and Novozymes (Denmark) are among others in the top trends in agricultural biologicals market strategies.

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